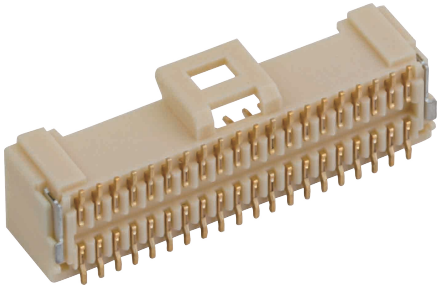
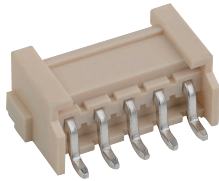
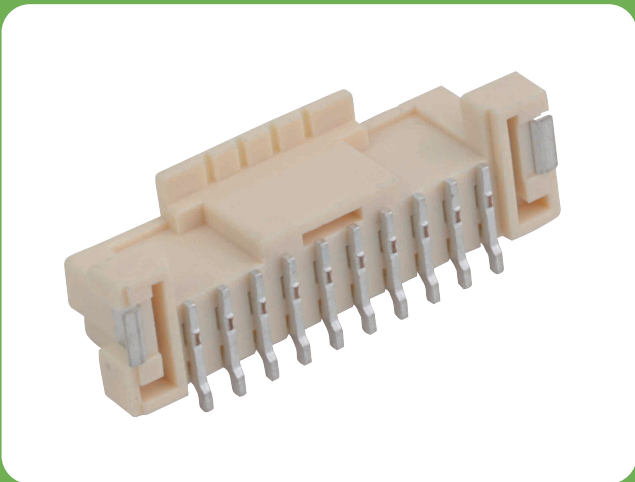


# Wafer

— Connectors



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# SELECTION GUIDE

Solution for pitch 1.00mm



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P15

GWCC106-CA2DA



P16

GWCD107-CA1DA



P17

GWCC106-CA4DA



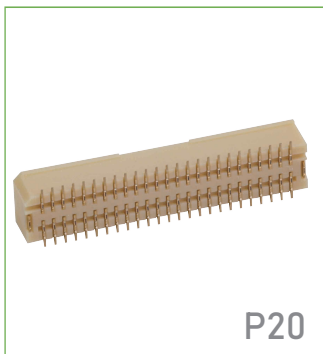
P18

GWCD108-CA1DA



P19

GWCC205-CA1DA



P20

GWCC201-CA1DS



P21

GWCD202-CA3DA

## Solution for pitch 1.25mm



P22

GWDC102-CA12CS



P23

GWDB112-CA1FW



P24

GWDD123-CA1CS



P25

GWDA106-CA1FZ



P26

GWDD123-CA1DJ



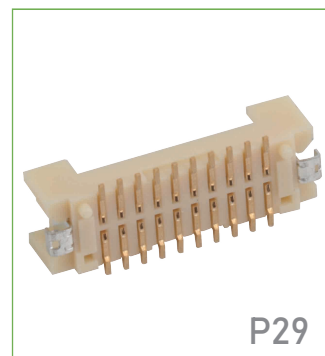
P27

CWDA101-CA1DA



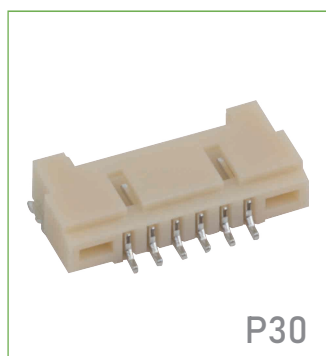
P28

CWDB101-CA1DA



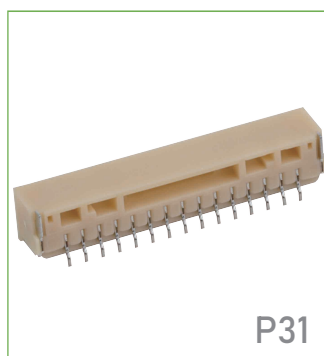
P29

GWDC203-CB1DS



P30

GWDD106-CA2DA



P31

GWDC101-CA1DA



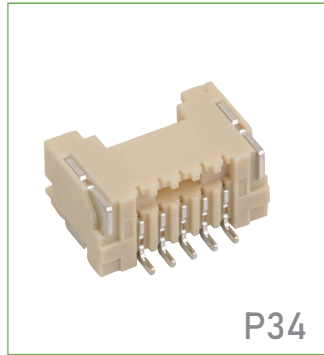
P32

CWDD102-CA1DS

## Solution for pitch 1.50mm



GWZD133-CA1DA



GWZC120-CA1DA



GWZD124-CA1CZ

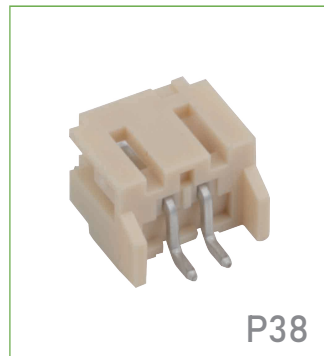


GWZC110-CA4CB

## Solution for pitch 2.00mm



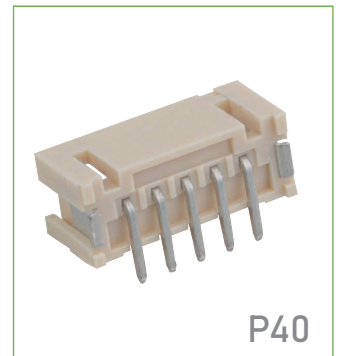
GWFB123-CA1EZ



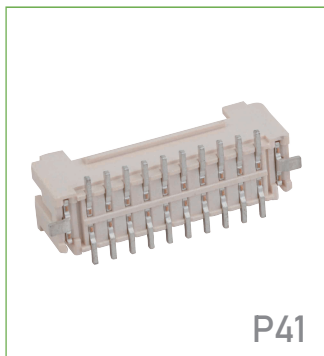
GWFD101-C13DB



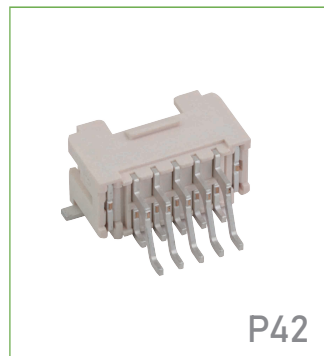
GWFA117-CA800EW



GWFC108-CA1DB



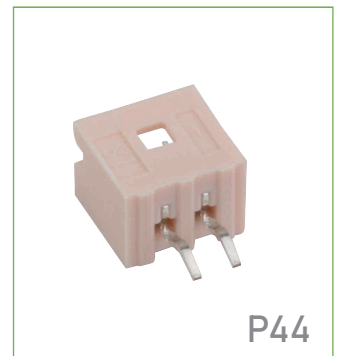
GWFC204-CA1CB



GWFD201-CA1CB



GWFB123-CA2EA



GWFA114-CA800ES



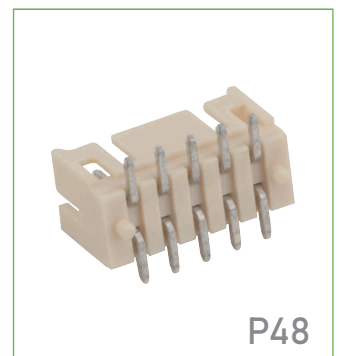
GWFB208-CA1DZ



GWFA210-CA1DZ



GWFC201-CA1DZ



GWFC201-CB1DB



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GWFB123-CA3EB



P50

GWFA102-CA14EB



P51

GWFD115-CA1BB



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GWFC115-CA1BB



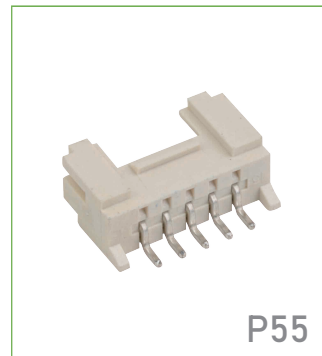
P53

GWFB123-CA4EB



P54

GWFA102-CA15EB



P55

GWFD111-CA2CB



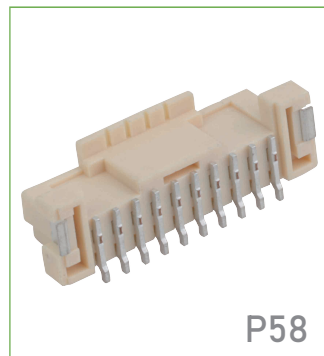
P56

GWFC112-CA2CB



P57

GWFD116-CA1DA



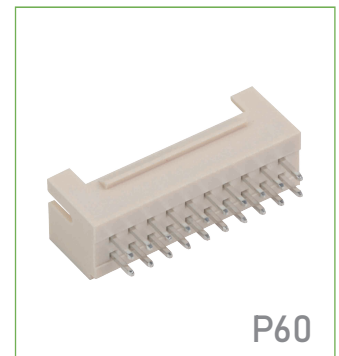
P58

GWFC116-CA1DA



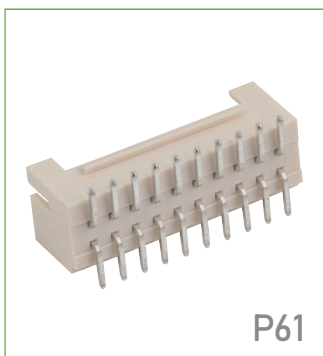
P59

GWFB121-CA1FB



P60

GWFA213-CA1FB



P61

GWFC202-CA1FZ



P52

GWFD112-CA1CB

## Solution for pitch 2.50mm



GWGB102-CA805EZ



GWGD103-CA1CZ



GWGD105-CA1CZ



GWGA114-CA802EZ



GWGC104-CA2CB



GWGD105-CA2CB



GWGD106-CA1CB



GWGC105-CA1CB



## Solution for pitch 2.54mm



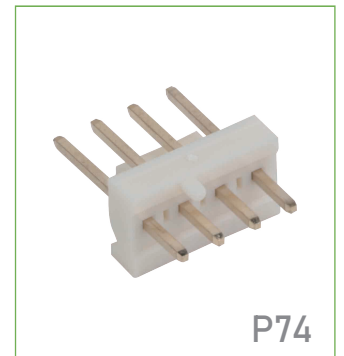
GWHA103-CA21EB



GWHB121-CA2EB



GWHB121-CA3EB



GWHA120-CB1EB

## Solution for pitch 3.00mm



GWZC201-CA5CB



GWZD201-CA4CB



GWZB206-CB1EZ

## Solution for pitch 3.50mm



GWZD121-CA1DS

## Solution for pitch 3.96mm



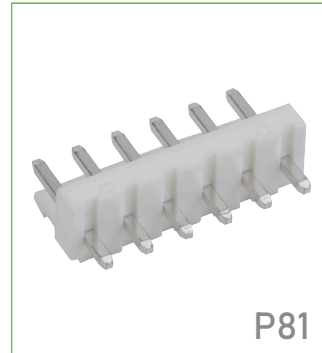
P79

GWJB110-CA2EB



P80

GWJB110-CA1EB



P81

GWJA102-CA27EB



P82

GWJD101-CA1DB



P83

GWJC101-CA1DB

## Solution for pitch 4.20mm



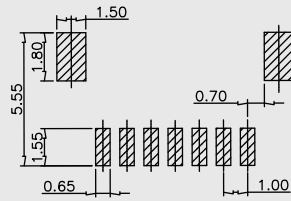
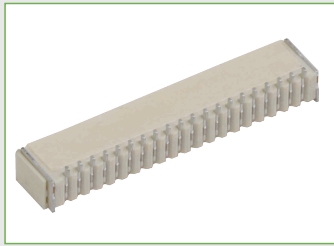
GWRB201-CA8EB



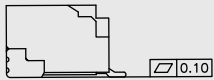
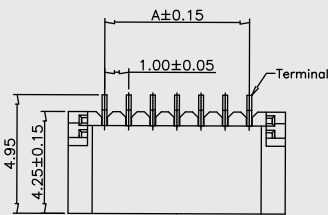
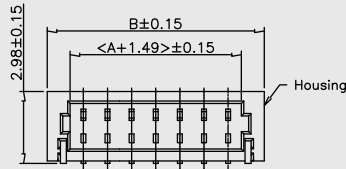
GWRA208-CA1EZ



► GWCC101-CA2DB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	1.00	4.00
03	2.00	5.00
04	3.00	6.00
05	4.00	7.00
06	5.00	8.00
07	6.00	9.00
08	7.00	10.00
09	8.00	11.00
10	9.00	12.00
11	10.00	13.00
12	11.00	14.00
13	12.00	15.00
14	13.00	16.00
15	14.00	17.00
16	15.00	18.00
17	16.00	19.00
18	17.00	20.00
19	18.00	21.00
20	19.00	22.00

180° SMT Header ①

Specifications:

Voltage Rating: 100V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 100MΩ Min.

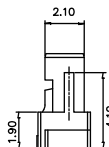
Wire Range: AWG #28~32

Insulator Material: UL94V-0

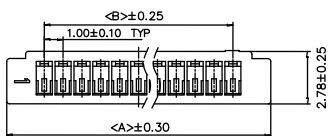
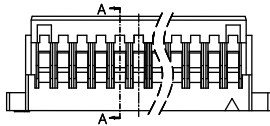
Operating Temperature: -25°C to +85°C



Request Quotation

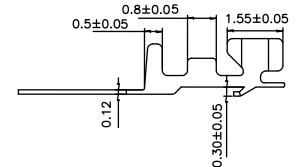
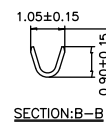
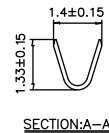
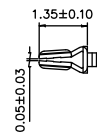
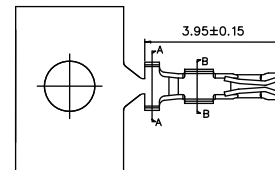


Housing ②



No. of Pins/Row	Dimension Information	
	A	B
02	5.00	1.00
03	6.00	2.00
04	7.00	3.00
05	8.00	4.00
06	9.00	5.00
07	10.00	6.00
08	11.00	7.00
09	12.00	8.00
10	13.00	9.00
11	14.00	10.00
12	15.00	11.00
13	16.00	12.00
14	17.00	13.00
15	18.00	14.00
16	19.00	15.00

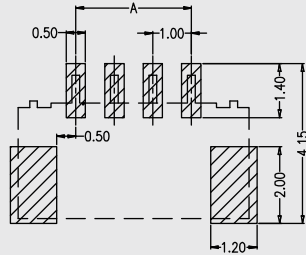
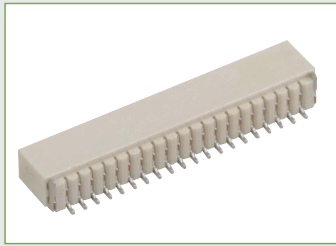
③ Crimp



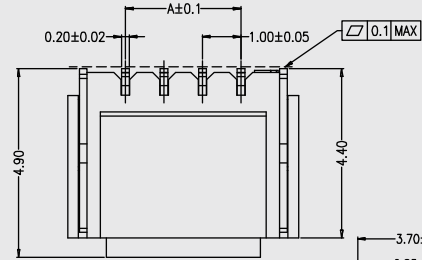
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	①	Header	180° SMT	GWCC101-CA2DB	02-20	PA9T	Tape&Reel
Wire side	②	Housing	/	GHC371-HA	02-16	PA66	PE Bag
	③	Crimp	/	GRC113-T1	/	Phosphor Bronze	Paper plates



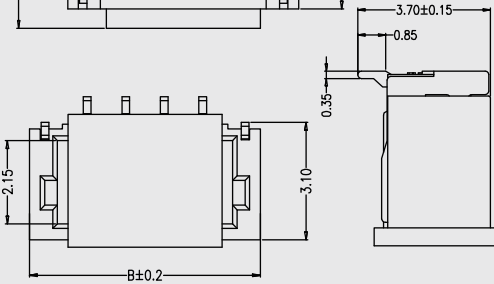
► GWCC105-CA1CZ



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	1.00	4.00
03	2.00	5.00
04	3.00	6.00
05	4.00	7.00
06	5.00	8.00
07	6.00	9.00
08	7.00	10.00
09	8.00	11.00
10	9.00	12.00
11	10.00	13.00
12	11.00	14.00
13	12.00	15.00
14	13.00	16.00
15	14.00	17.00
16	15.00	18.00



180° SMT Header 01

Specifications:

Voltage Rating: 50V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 100MΩ Min.

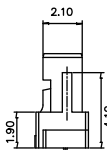
Wire Range: AWG #28~32

Insulator Material: UL94V-0

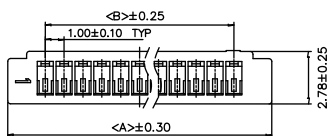
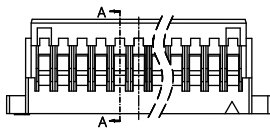
Operating Temperature: -40°C to +105°C



Request Quotation

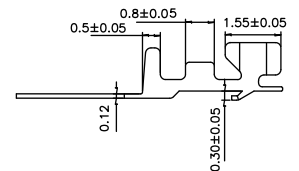
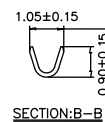
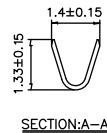
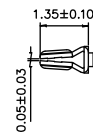
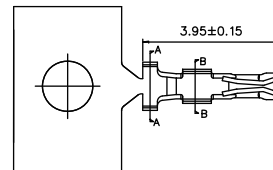


Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	5.00	1.00
03	6.00	2.00
04	7.00	3.00
05	8.00	4.00
06	9.00	5.00
07	10.00	6.00
08	11.00	7.00
09	12.00	8.00
10	13.00	9.00
11	14.00	10.00
12	15.00	11.00
13	16.00	12.00
14	17.00	13.00
15	18.00	14.00
16	19.00	15.00

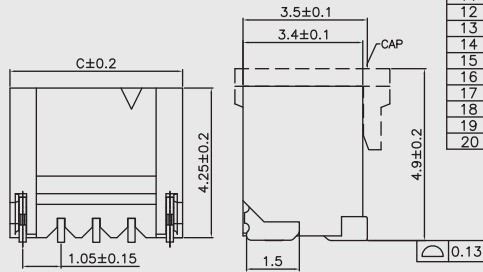
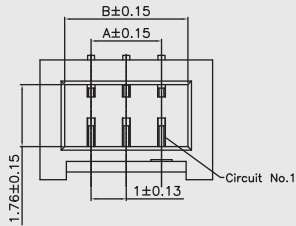
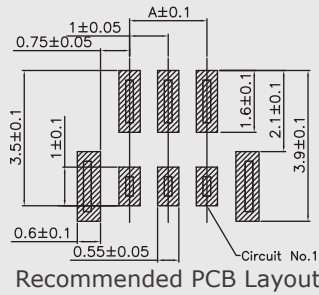
03 Crimp



Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWCC105-CA1CZ	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GHC371-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRC113-T1	/	Phosphor Bronze	Paper plates



# GWCC106-CA3DA



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.00	2.50	3.90
03	2.00	3.50	4.90
04	3.00	4.50	5.90
05	4.00	5.50	6.90
06	5.00	6.50	7.90
07	6.00	7.50	8.90
08	7.00	8.50	9.90
09	8.00	9.50	10.90
10	9.00	10.50	11.90
11	10.00	11.50	12.90
12	11.00	12.50	13.90
13	12.00	13.50	14.90
14	13.00	14.50	15.90
15	14.00	15.50	16.90
16	15.00	16.50	17.90
17	16.00	17.50	18.90
18	17.00	18.50	19.90
19	18.00	19.50	20.90
20	19.00	20.50	21.90

180° SMT Header 01

## Specifications:

Voltage Rating: 150V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 100MΩ Min.

Wire Range: AWG #28~32

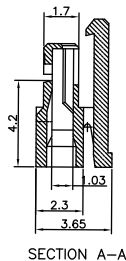
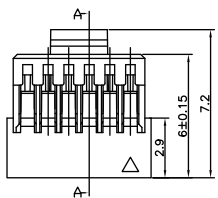
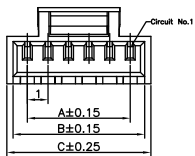
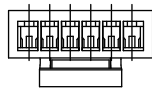
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



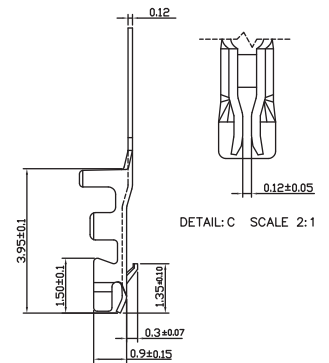
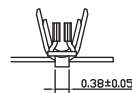
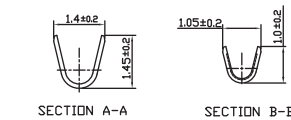
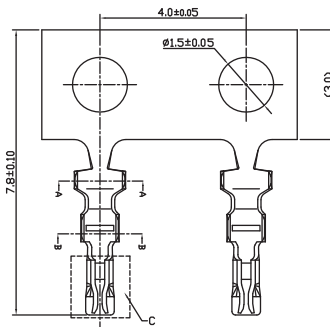
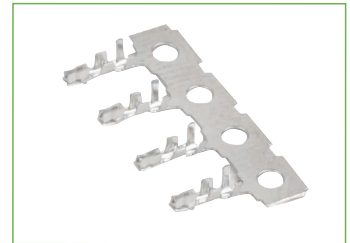
Request Quotation

## Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.00	2.40	3.00
03	2.00	3.40	4.00
04	3.00	4.40	5.00
05	4.00	5.40	6.00
06	5.00	6.40	7.00
07	6.00	7.40	8.00
08	7.00	8.40	9.00
09	8.00	9.40	10.00
10	9.00	10.40	11.00
11	10.00	11.40	12.00
12	11.00	12.40	13.00
13	12.00	13.40	14.00
14	13.00	14.40	15.00
15	14.00	15.40	16.00
16	15.00	16.40	17.00
17	16.00	17.40	18.00
18	17.00	18.40	19.00
19	18.00	19.40	20.00
20	19.00	20.40	21.00

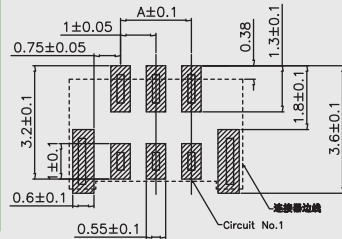
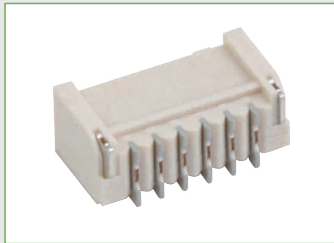
## 03 Crimp



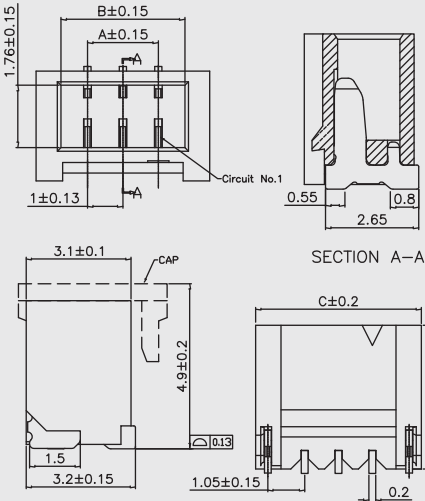
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWCC106-CA3DA	02-20	PA9T	Tape&Reel
Wire side	02	Housing	/	GWC051-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRC114-T1	/	Phosphor Bronze	Paper plates



# GWCC106-CA2DA



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.00	2.50	3.90
03	2.00	3.50	4.90
04	3.00	4.50	5.90
05	4.00	5.50	6.90
06	5.00	6.50	7.90
07	6.00	7.50	8.90
08	7.00	8.50	9.90
09	8.00	9.50	10.90
10	9.00	10.50	11.90
11	10.00	11.50	12.90
12	11.00	12.50	13.90
13	12.00	13.50	14.90
14	13.00	14.50	15.90
15	14.00	15.50	16.90
16	15.00	16.50	17.90
17	16.00	17.50	18.90
18	17.00	18.50	19.90
19	18.00	19.50	20.90
20	19.00	20.50	21.90

180° SMT Header 01

## Specifications:

Voltage Rating: 150V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 100MΩ Min.

Wire Range: AWG #28~32

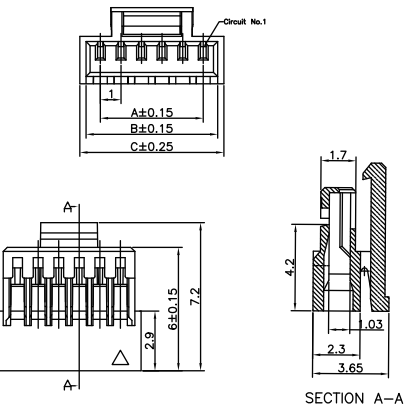
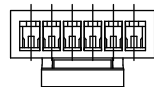
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



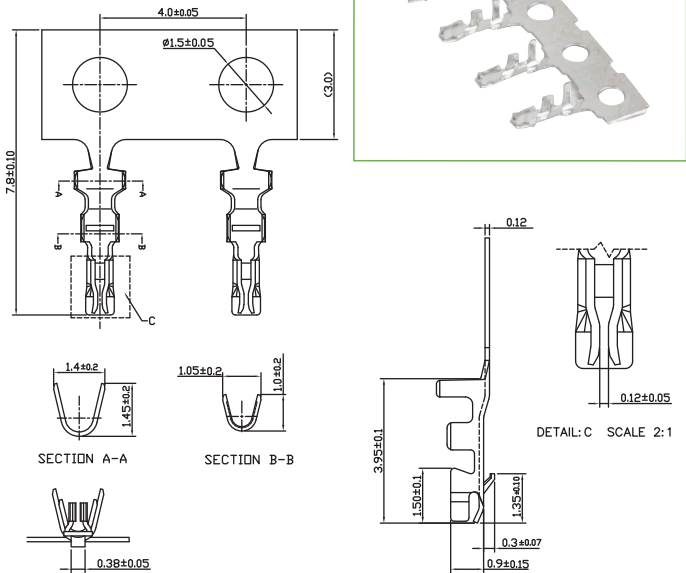
Request Quotation

## Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.00	2.40	3.00
03	2.00	3.40	4.00
04	3.00	4.40	5.00
05	4.00	5.40	6.00
06	5.00	6.40	7.00
07	6.00	7.40	8.00
08	7.00	8.40	9.00
09	8.00	9.40	10.00
10	9.00	10.40	11.00
11	10.00	11.40	12.00
12	11.00	12.40	13.00
13	12.00	13.40	14.00
14	13.00	14.40	15.00
15	14.00	15.40	16.00
16	15.00	16.40	17.00
17	16.00	17.40	18.00
18	17.00	18.40	19.00
19	18.00	19.40	20.00
20	19.00	20.40	21.00

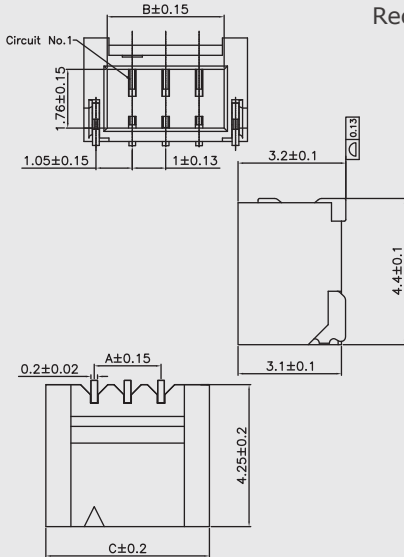
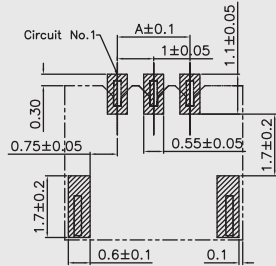
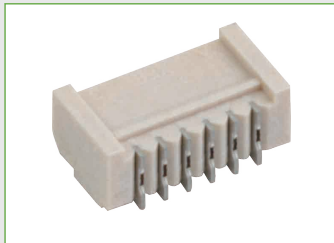
## 03 Crimp



Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWCC106-CA2DA	02-20	PA9T	Tape&Reel
Wire side	02	Housing	/	GWC051-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRC114-T1	/	Phosphor Bronze	Paper plates



# GWCD107-CA1DA



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.00	2.50	3.90
03	2.00	3.50	4.90
04	3.00	4.50	5.90
05	4.00	5.50	6.90
06	5.00	6.50	7.90
07	6.00	7.50	8.90
08	7.00	8.50	9.90
09	8.00	9.50	10.90
10	9.00	10.50	11.90
11	10.00	11.50	12.90
12	11.00	12.50	13.90
13	12.00	13.50	14.90
14	13.00	14.50	15.90
15	14.00	15.50	16.90
16	15.00	16.50	17.90
17	16.00	17.50	18.90
18	17.00	18.50	19.90
19	18.00	19.50	20.90
20	19.00	20.50	21.90

90° SMT Header 01

## Specifications:

Voltage Rating: 150V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 100MΩ Min.

Wire Range: AWG #28~32

Insulator Material: UL94V-0

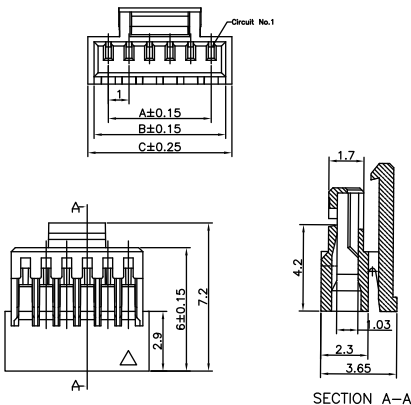
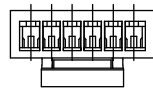
Operating Temperature: -25°C to +85°C



Request Quotation

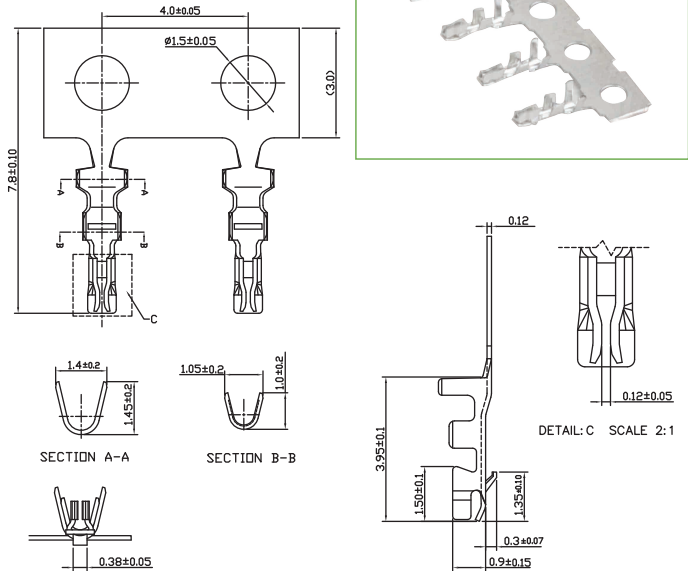


Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.00	2.40	3.00
03	2.00	3.40	4.00
04	3.00	4.40	5.00
05	4.00	5.40	6.00
06	5.00	6.40	7.00
07	6.00	7.40	8.00
08	7.00	8.40	9.00
09	8.00	9.40	10.00
10	9.00	10.40	11.00
11	10.00	11.40	12.00
12	11.00	12.40	13.00
13	12.00	13.40	14.00
14	13.00	14.40	15.00
15	14.00	15.40	16.00
16	15.00	16.40	17.00
17	16.00	17.40	18.00
18	17.00	18.40	19.00
19	18.00	19.40	20.00
20	19.00	20.40	21.00

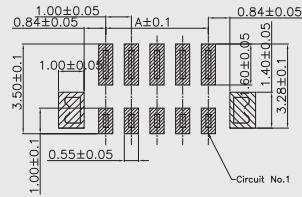
03 Crimp



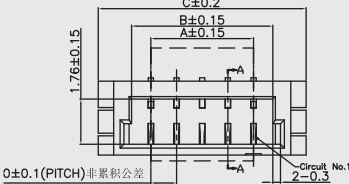
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWCD107-CA1DA	02-20	PA9T	Tape&Reel
Wire side	02	Housing	/	GWC051-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRC114-T1	/	Phosphor Bronze	Paper plates



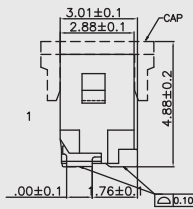
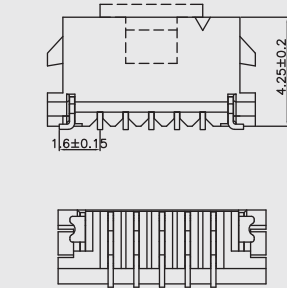
► GWCC106-CA4DA



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
05	4.00	5.50	8.10



180° SMT Header 01

Specifications:

Voltage Rating: 125V/AC

Current Rating: 1.3A

Withstanding Voltage: 500V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 100MΩ Min.

Wire Range: AWG #28~32

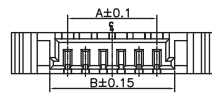
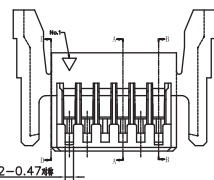
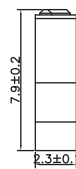
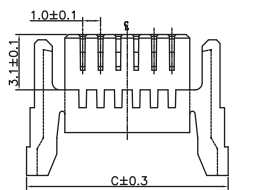
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



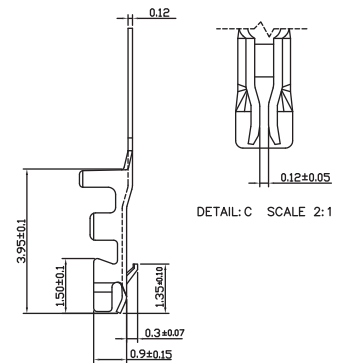
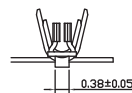
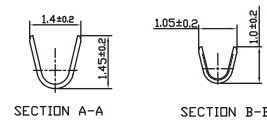
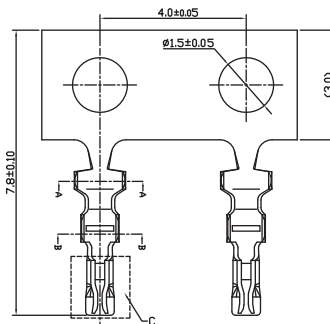
Request Quotation

Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
05	4.00	6.00	10.30

Crimp 03

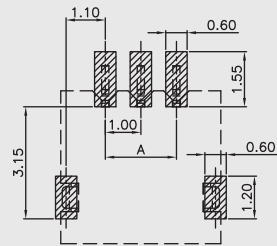


DETAIL: C SCALE 2:1

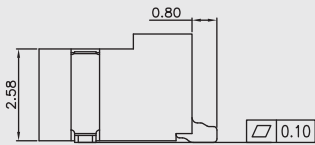
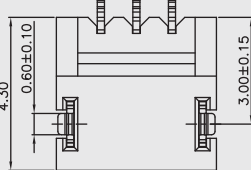
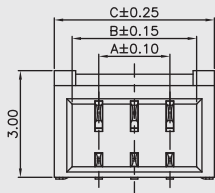
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWCC106-CA4DA	05	PA9T	Tape&Reel
Wire side	02	Housing	/	GHC111-HA	05	PA66	PE Bag
	03	Crimp	/	GRC114-T1	/	Phosphor Bronze	Paper plates



► GWCD108-CA1BA



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.00	2.50	3.50
03	2.00	3.50	4.50
04	3.00	4.50	5.50
05	4.00	5.50	6.50
06	5.00	6.50	7.50
07	6.00	7.50	8.50
08	7.00	8.50	9.50
09	8.00	9.50	10.50
10	9.00	10.50	11.50
11	10.00	11.50	12.50
12	11.00	12.50	13.50
13	12.00	13.50	14.50
14	13.00	14.50	15.50
15	14.00	15.50	16.50
16	15.00	16.50	17.50
17	16.00	17.50	18.50
18	17.00	18.50	19.50
19	18.00	19.50	20.50
20	19.00	20.50	21.50

90° SMT Header 01

Specifications:

Voltage Rating: 125V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 100MΩ Min.

Wire Range: AWG #28~32

Insulator Material: UL94V-0

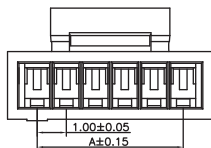
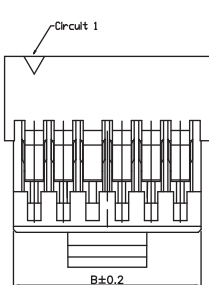
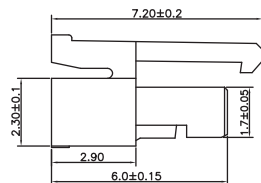
Operating Temperature: -25°C to +85°C



Request Quotation

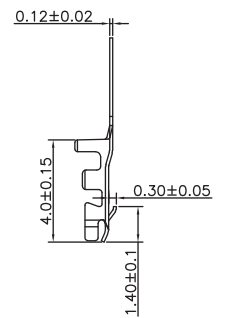
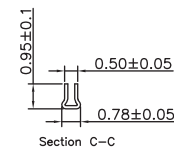
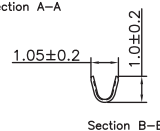
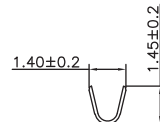
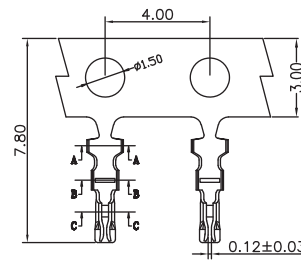


Housing 02



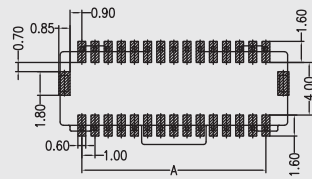
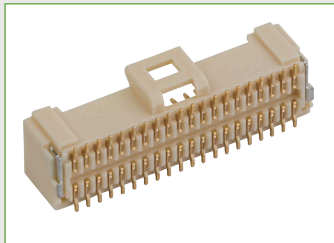
No. of Pins/Row	Dimensions Information	
	A	B
02	1.00	2.40
03	2.00	3.40
04	3.00	4.40
05	4.00	5.40
06	5.00	6.40
07	6.00	7.40
08	7.00	8.40
09	8.00	9.40
10	9.00	10.40
11	10.00	11.40
12	11.00	12.40
13	12.00	13.40
14	13.00	14.40
15	14.00	15.40

03 Crimp

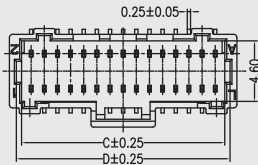


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWCD108-CA1BA	02-20	PA9T	Tape&Reel
Wire side	02	Housing	/	GHC121-HA	02-15	PA66	PE Bag
	03	Crimp	/	GRC119-T1	/	Phosphor Bronze	Paper plates

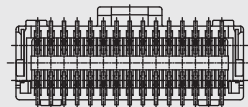
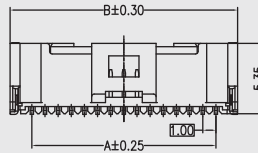
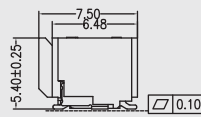
# GWCC205-CA1DA



Recommended PCB Layout



No. of Pins/Row	Dimension Information			
	A	B	C	D
10	9.00	12.30	10.45	11.25
15	14.00	17.30	15.45	16.25
20	19.00	22.30	20.45	21.25
25	14.00	27.30	25.45	26.25



180° SMT Header 01

## Specifications:

Voltage Rating: 50V/AC

Current Rating: 0.8A

Withstanding Voltage: 250V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 100MΩ Min.

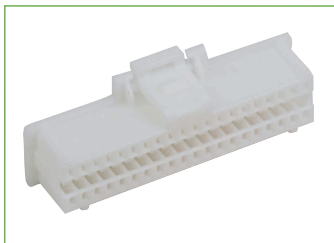
Wire Range: AWG #28~32

Insulator Material: UL94V-0

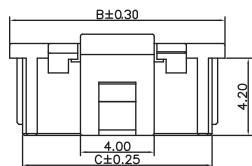
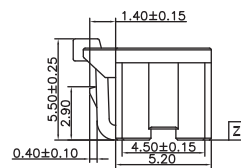
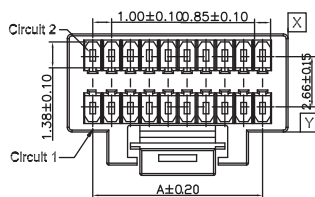
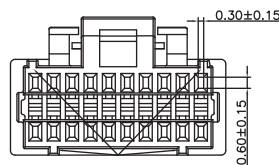
Operating Temperature: -25°C to +85°C



Request Quotation

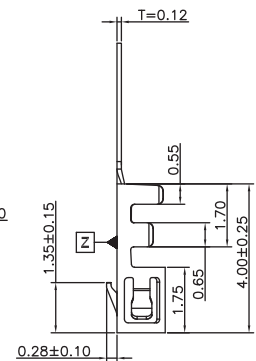
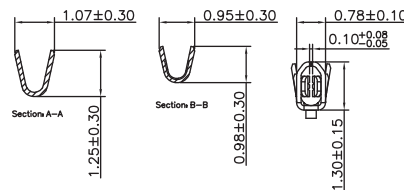
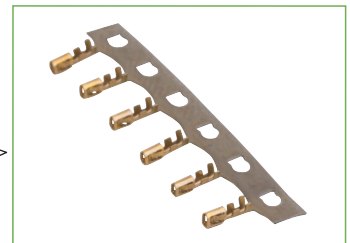
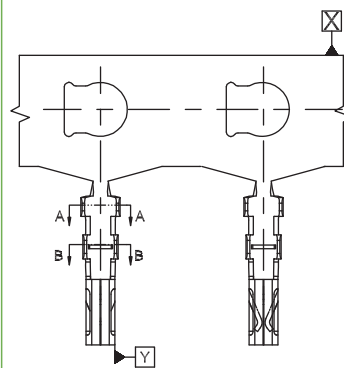


Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
10	9.00	11.70	10.30
15	14.00	16.70	15.30
20	19.00	21.70	20.30
25	24.00	26.70	25.30

03 Crimp



Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWCC205-CA1DA	10-25	PA9T	Tape&Reel
Wire side	02	Housing	/	GHC242-HA	10-25	PA66	PE Bag
	03	Crimp	/	GRC120-T1	/	Phosphor Bronze	Paper plates



► GWCC201-CA1DS

Specifications:

- Voltage Rating: 50V/AC
- Current Rating: 1A
- Withstanding Voltage: 500V/AC
- Contact Resistance: 30mΩ Max.
- Insulation Resistance: 100MΩ Min.
- Wire Range: AWG #28~32
- Insulator Material: UL94V-0
- Operating Temperature: -25°C to +85°C



Request Quotation

Recommended PCB Layout

No. of Pins/Row	A	B	C
06	5.00	6.50	8.30
08	7.00	8.50	10.30
10	9.00	10.50	12.30
15	14.00	15.50	17.30
20	19.00	20.50	22.30
25	24.00	25.50	27.30

180° SMT Header 01

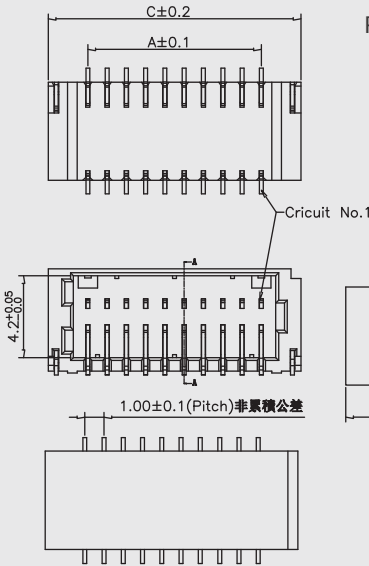
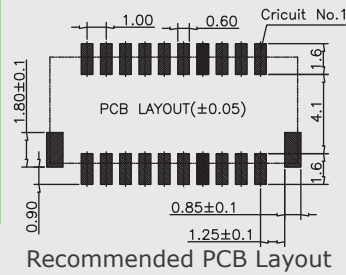
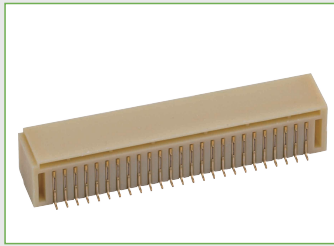
Housing 02

No. of Pins/Row	A	B	C
06	5.00	6.40	9.00
08	7.00	8.40	11.00
10	9.00	10.40	13.00
15	14.00	15.40	18.00
20	19.00	20.40	23.00
25	24.00	25.40	28.00

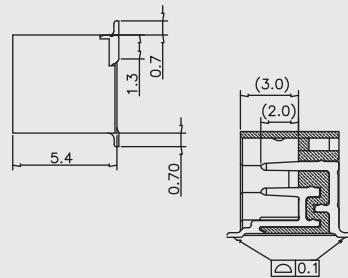
03 Crimp

Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWCC201-CA1DS	06-25	PA9T	Tape&Reel
Wire side	02	Housing	/	GWC012-HA	06-25	PA66	PE Bag
	03	Crimp	/	GRC107-T1	/	Phosphor Bronze	Paper plates

# GWCD202-CA3DA



No. of Pins/Row	Dimension Information		
	A	B	C
06	5.00	6.50	9.10
08	7.00	8.50	11.10
10	9.00	10.50	13.10
15	14.00	15.50	18.10
20	20.00	20.50	23.10
25	25.00	25.50	28.10



90° SMT Header 01

## Specifications:

Voltage Rating: 50V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 100MΩ Min.

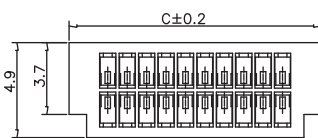
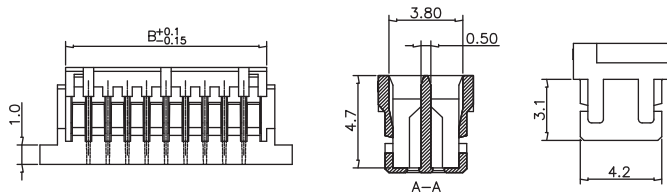
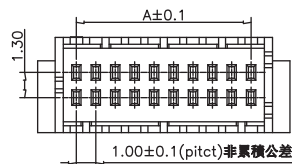
Wire Range: AWG #28~32

Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



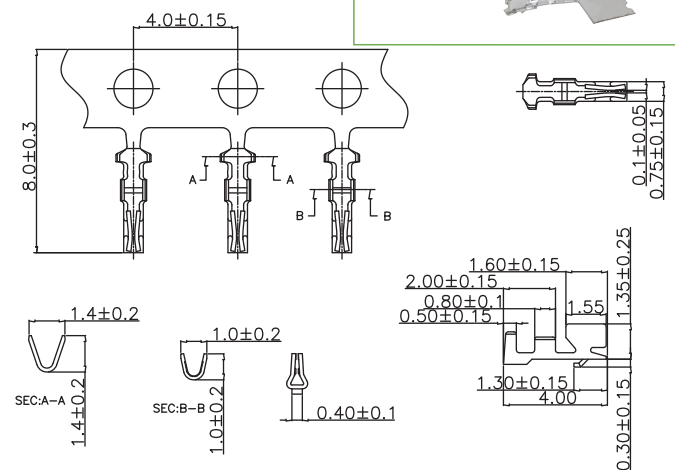
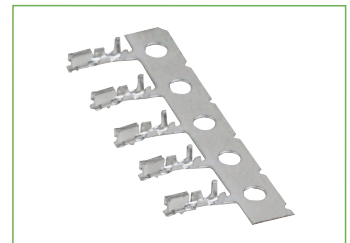
Request Quotation



No. of Pins/Row	Dimension Information		
	A	B	C
06	5.00	6.40	9.00
08	7.00	8.40	11.00
10	9.00	10.40	13.00
15	14.00	15.40	18.00
20	19.00	20.40	23.00
25	24.00	25.40	28.00

Housing 02

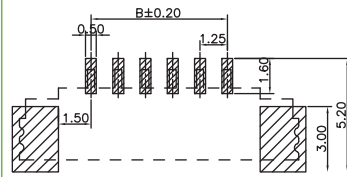
Crimp 03



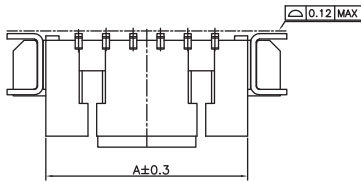
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWCD202-CA3DA	06-25	PA9T	Tape&Reel
Wire side	02	Housing	/	GWC012-HA	06-25	PA66	PE Bag
	03	Crimp	/	GRC107-T1	/	Phosphor Bronze	Paper plates



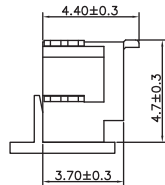
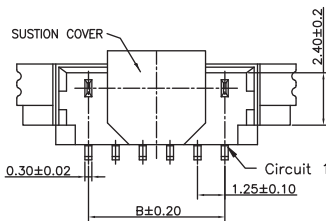
# GWDC102-CA12CS



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	4.25	1.25
03	5.50	2.50
04	6.75	3.75
05	8.00	5.00
06	9.25	6.25
07	10.50	7.50
08	11.75	8.75
09	13.00	10.00
10	14.25	11.25
11	15.50	12.50
12	16.75	13.75
13	18.00	15.00
14	19.25	16.25
15	20.50	17.50



180° SMT Header 01

## Specifications:

Voltage Rating: 125V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 100MΩ Min.

Wire Range: AWG #28~32

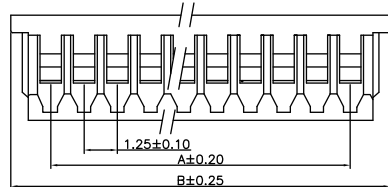
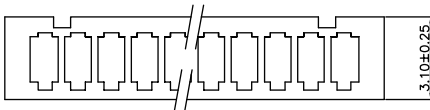
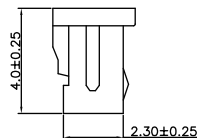
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



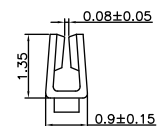
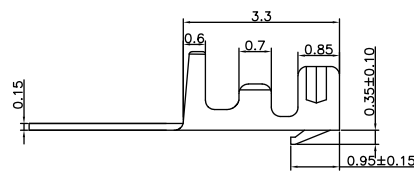
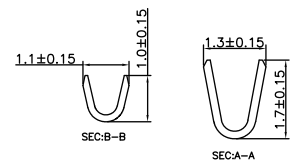
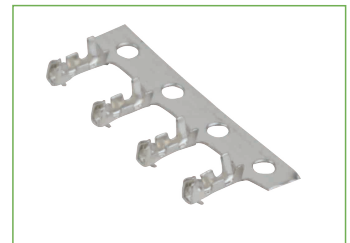
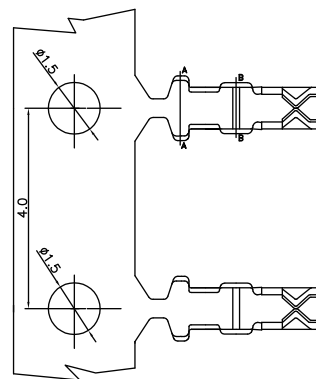
Request Quotation

## Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	1.25	4.25
03	2.50	5.50
04	3.75	6.75
05	5.00	8.00
06	6.25	9.25
07	7.50	10.50
08	8.75	11.75
09	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50
16	18.75	21.75

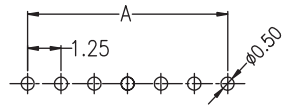
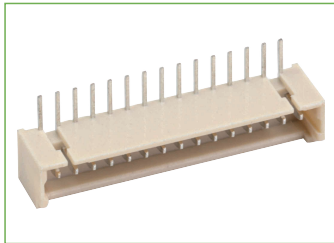
## 03 Crimp



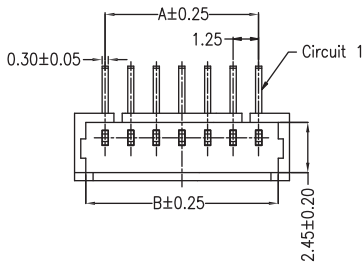
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWDC102-CA12CS	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHD321-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRD112-T1	/	Phosphor Bronze	Paper plates



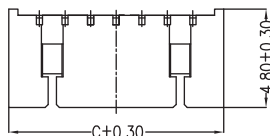
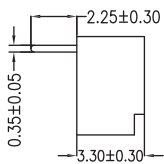
▶ GWDB112-CA1FW



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.25	3.20	4.25
03	2.50	4.45	5.50
04	3.75	5.70	6.75
05	5.00	6.95	8.00
06	6.25	8.20	9.25
07	7.50	9.45	10.50
08	8.75	10.70	11.75
09	10.00	11.95	13.00
10	11.25	13.20	14.25
11	12.50	14.45	15.50
12	13.75	15.70	16.75
13	15.00	16.95	18.00
14	16.25	18.20	19.25
15	17.50	19.45	20.50
16	18.75	20.70	21.75



90° R/T Header 01

Specifications:

Voltage Rating: 125V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 100MΩ Min.

Wire Range: AWG #28~32

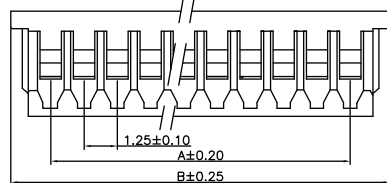
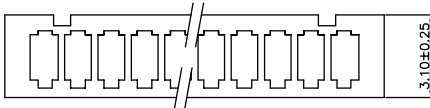
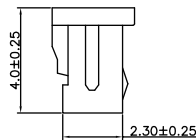
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



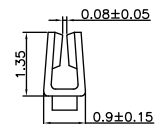
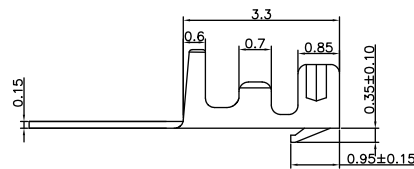
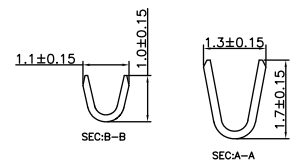
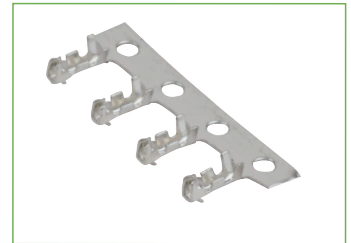
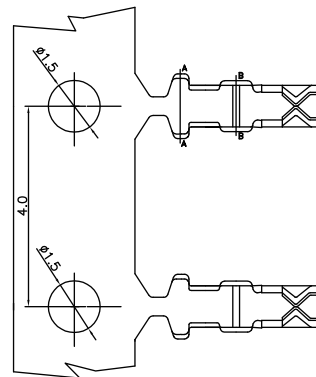
Request Quotation

Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	1.25	4.25
03	2.50	5.50
04	3.75	6.75
05	5.00	8.00
06	6.25	9.25
07	7.50	10.50
08	8.75	11.75
09	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50
16	18.75	21.75

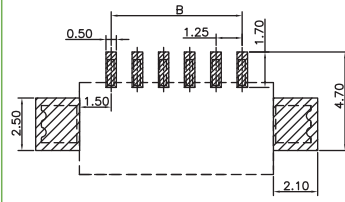
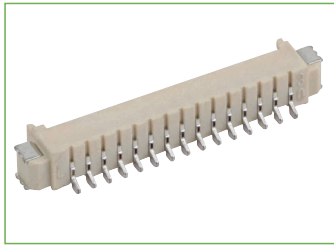
Crimp 03



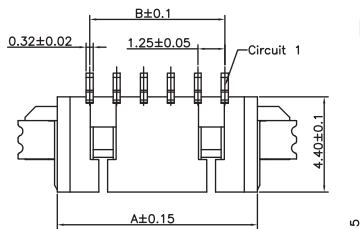
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/T	GWDB112-CA1FW	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GHD321-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRD112-T1	/	Phosphor Bronze	Paper plates



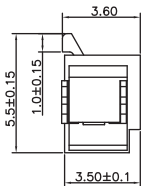
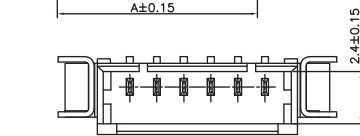
# GWDD123-CA1CS



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	4.25	1.25
03	5.50	2.50
04	6.75	3.75
05	8.00	5.00
06	9.25	6.25
07	10.50	7.50
08	11.75	8.75
09	13.00	10.00
10	14.25	11.25
11	15.50	12.50
12	16.75	13.75
13	18.00	15.00
14	19.25	16.25
15	20.50	17.50



90° SMT Header 01

## Specifications:

Voltage Rating: 125V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 100MΩ Min.

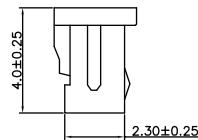
Wire Range: AWG #28~32

Insulator Material: UL94V-0

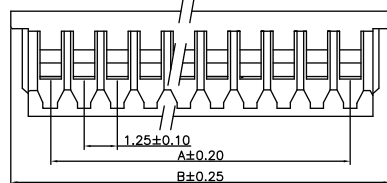
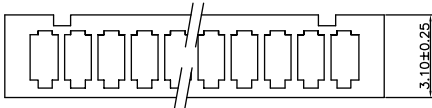
Operating Temperature: -40°C to +105°C



Request Quotation

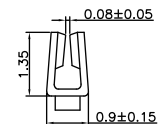
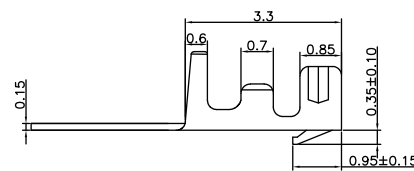
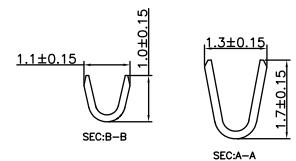
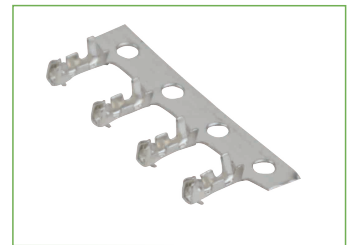
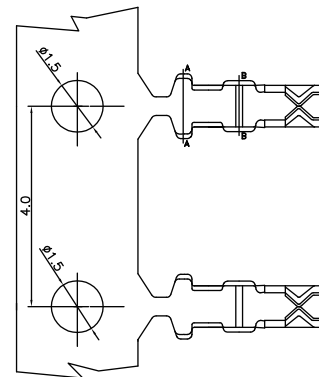


Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	1.25	4.25
03	2.50	5.50
04	3.75	6.75
05	5.00	8.00
06	6.25	9.25
07	7.50	10.50
08	8.75	11.75
09	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50
16	18.75	21.75

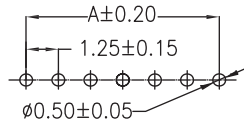
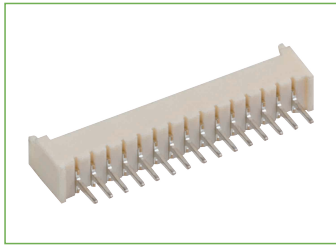
03 Crimp



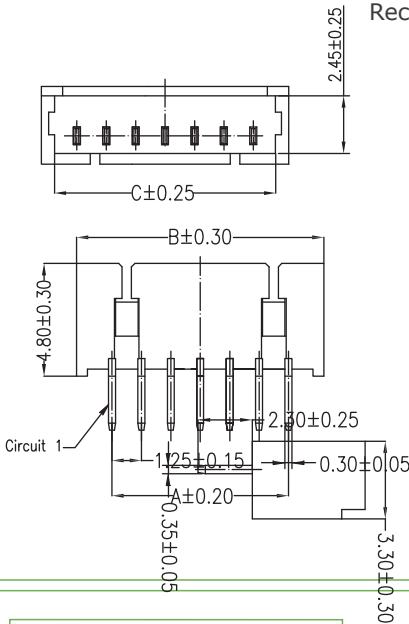
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWDD123-CA1CS	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHD321-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRD112-T1	/	Phosphor Bronze	Paper plates



► GWDA106-CA1FZ



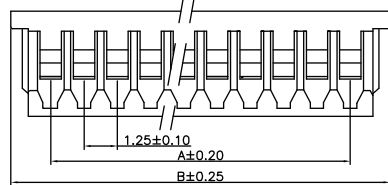
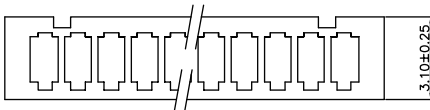
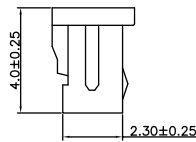
Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.25	4.25	3.20
03	2.50	5.50	4.45
04	3.75	6.75	5.70
05	5.00	8.00	6.95
06	6.25	9.25	8.20
07	7.50	10.50	9.45
08	8.75	11.75	10.70
09	10.00	13.00	11.95
10	11.25	14.25	13.20
11	12.50	15.50	14.45
12	13.75	16.75	15.70
13	15.00	18.00	16.95
14	16.25	19.25	18.20
15	17.50	20.50	19.45
16	18.75	21.75	20.70

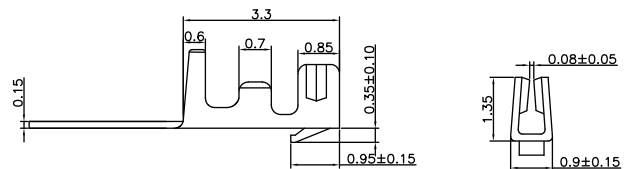
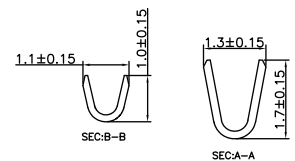
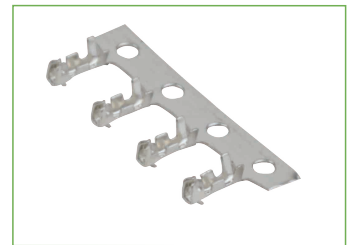
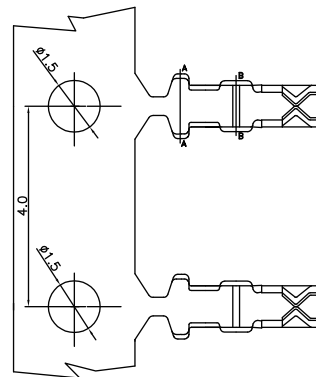
180° S/T Header 01

Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	1.25	4.25
03	2.50	5.50
04	3.75	6.75
05	5.00	8.00
06	6.25	9.25
07	7.50	10.50
08	8.75	11.75
09	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50
16	18.75	21.75

03 Crimp



Specifications:

- Voltage Rating: 125V/AC
- Current Rating: 1A
- Withstanding Voltage: 500V/AC
- Contact Resistance: 20mΩ Max.
- Insulation Resistance: 100MΩ Min.
- Wire Range: AWG #28~32
- Insulator Material: UL94V-0
- Operating Temperature: -40°C to +105°C

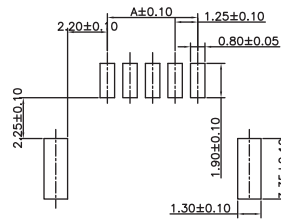
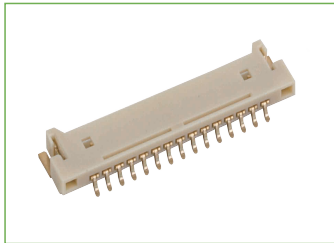


Request Quotation

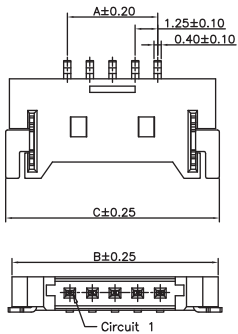
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWDA106-CA1FZ	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GHD321-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRD112-T1	/	Phosphor Bronze	Paper plates



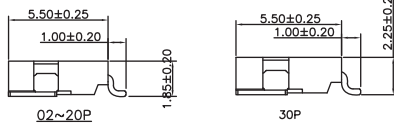
► GWDD124-CA1BJ



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.25	7.65	7.77
03	2.50	8.90	9.02
04	3.75	10.15	10.27
05	5.00	11.40	11.52
06	6.25	12.65	12.77
07	7.50	13.90	14.02
08	8.75	15.15	15.27
09	10.00	16.40	16.52
10	11.25	17.65	17.77
11	12.50	18.90	19.02
12	13.75	20.15	20.27
13	15.00	21.40	21.52
14	16.25	22.65	22.77
15	17.50	23.90	24.02
16	18.75	25.15	25.27
17	20.00	26.40	26.52
18	21.25	27.65	27.77
19	22.50	28.90	29.02
20	23.75	30.15	30.27
21	25.00	31.40	31.52
22	26.25	32.65	32.77
23	27.50	33.90	34.02
24	28.75	35.15	35.27
25	30.00	36.40	36.52
26	31.25	37.65	37.77
27	32.50	38.90	39.02
28	33.75	40.15	40.27
29	35.00	41.40	41.52
30	36.25	42.65	42.77



90° SMT Header 01

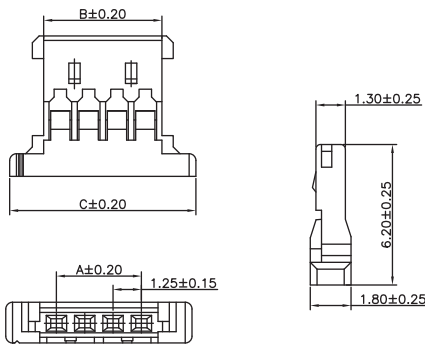
Specifications:

- Voltage Rating: 125V/AC
- Current Rating: 1A
- Withstanding Voltage: 500V/AC
- Contact Resistance: 20mΩ Max.
- Insulation Resistance: 100MΩ Min.
- Wire Range: AWG #28~32
- Insulator Material: UL94V-0
- Operating Temperature: -40°C to +105°C



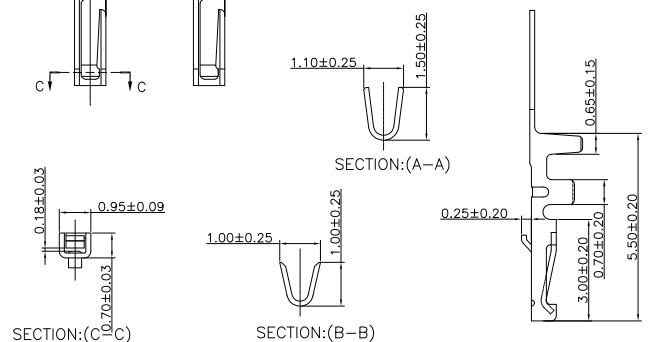
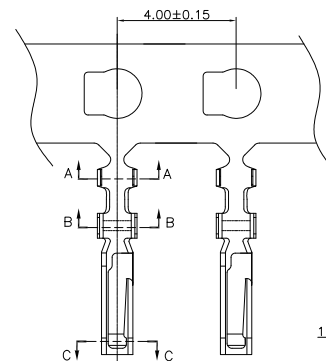
Request Quotation

Housing 02



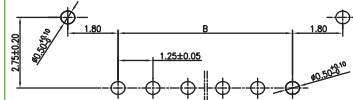
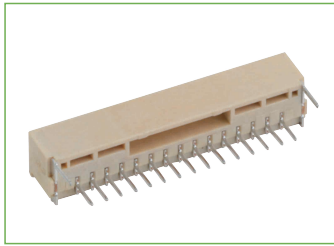
No. of Pins/Row	Dimension Information		
	A	B	C
02	5.72	2.72	1.25
03	6.97	3.97	2.50
04	8.22	5.22	3.75
05	9.47	6.47	5.00
06	10.72	7.72	6.25
07	11.97	8.97	7.50
08	13.22	10.22	8.75
09	14.47	11.47	10.00
10	15.72	12.72	11.25
11	16.97	13.97	12.50
12	18.22	15.22	13.75
13	19.47	16.47	15.00
14	20.72	17.72	16.25
15	21.97	18.97	17.50
16	23.22	20.22	18.75
17	24.47	21.47	20.00
18	25.72	22.72	21.25
19	26.97	23.97	22.50
20	28.22	25.22	23.75
21	29.47	26.47	25.00
22	30.72	27.72	26.25
23	31.97	28.97	27.50
24	33.22	30.22	28.75
25	34.47	31.47	30.00
26	35.72	32.72	31.25
27	36.97	33.97	32.50
28	38.22	35.22	33.75
29	39.47	36.47	35.00
30	40.72	37.72	36.25

03 Crimp

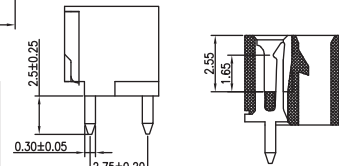
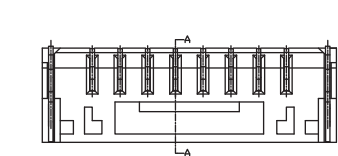
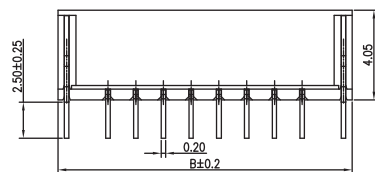
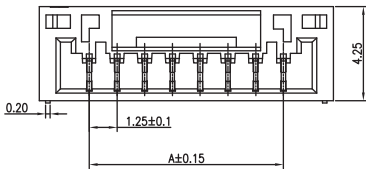


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWDD124-CA1BJ	02-30	PA9T	Tape&Reel
Wire side	02	Housing	/	GWD121-HA	02-30	PA66	PE Bag
	03	Crimp	/	GRD114-T1	/	Phosphor Bronze	Paper plates

▶ CWDA101-CA1DA



Recommended PCB Layout



180° S/T Header 01

No. of Pins/Row	Dimension Information	
	A	B
02	1.25	5.75
03	2.50	7.00
04	3.75	8.25
05	5.00	9.50
06	6.25	10.75
07	7.50	12.00
08	8.75	13.25
09	10.00	14.50
10	11.25	15.75
11	12.50	17.00
12	13.75	18.25
13	15.00	19.50
14	16.25	20.75
15	17.50	22.00

Specifications:

Voltage Rating: 125V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 100MΩ Min.

Wire Range: AWG #28~32

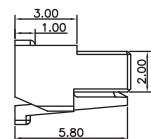
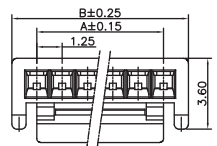
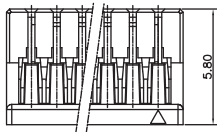
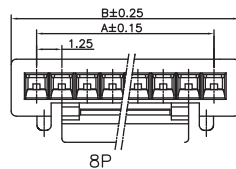
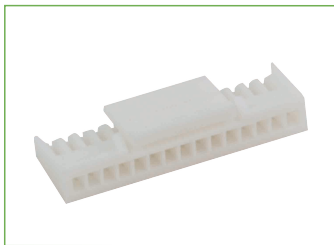
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



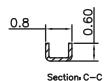
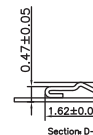
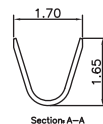
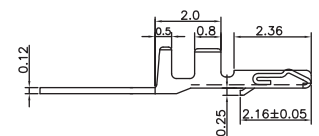
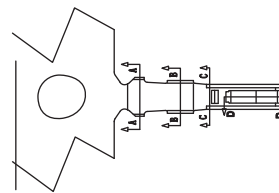
Request Quotation

Housing 02



No. of Pins/Row	Dimensions Information	
	A	B
02	1.25	3.60
03	2.50	4.85
04	3.75	6.10
05	5.00	7.35
06	6.25	8.60
07	7.50	9.85
08	8.75	11.10
09	10.00	12.35
10	11.25	13.60
11	12.50	14.85
12	13.75	16.10
13	15.00	17.35
14	16.25	18.60
15	18.50	19.85

03 Crimp

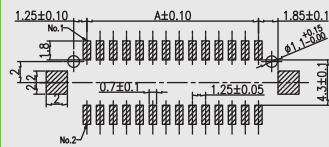
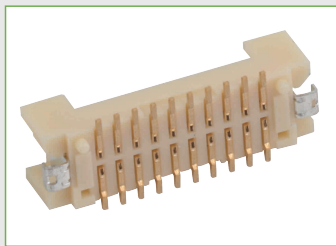


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	CWDA101-CA1DA	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHD031-HA	02-15	PA66	PE Bag
	03	Crimp	/	GRD118-T1	/	Phosphor Bronze	Paper plates

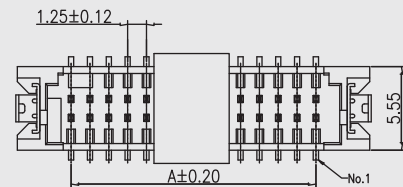




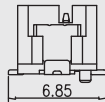
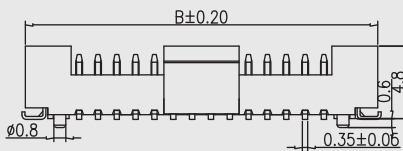
► GWDC203-CB1DS



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
05	5.00	12.15
07	7.50	14.65
10	11.25	18.40
15	17.50	24.65
20	23.75	30.90



180° SMT Header 01

Specifications:

Voltage Rating: 200V/AC

Current Rating: 1.5A

Withstanding Voltage: 1000V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #26

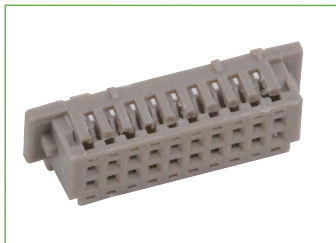
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C

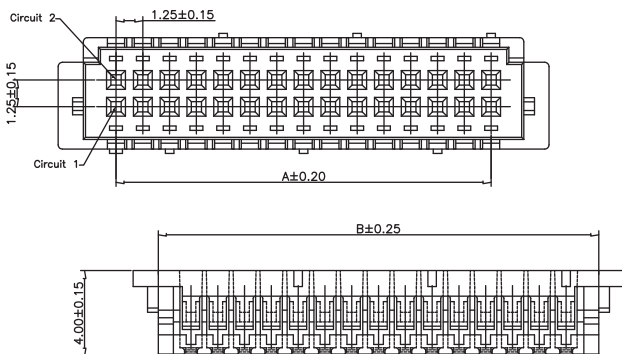


Request Quotation

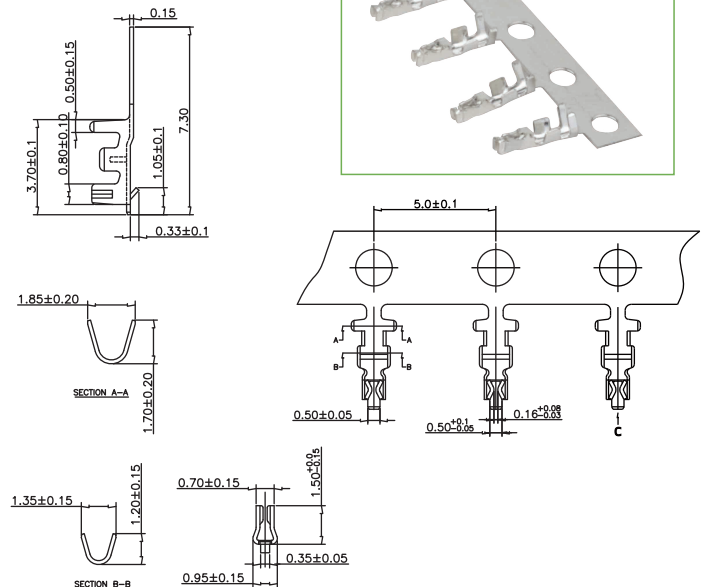
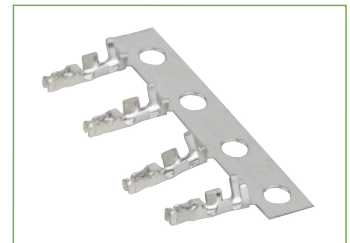
Housing 02



No. of Pins/Row	Dimension Information	
	A	B
05	5.00	8.05
07	7.50	10.55
10	11.25	14.30
15	17.50	20.55
20	23.75	26.80



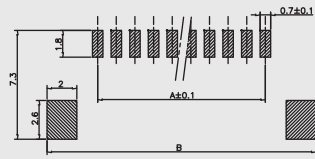
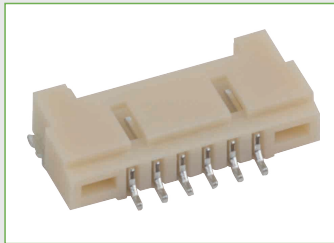
03 Crimp



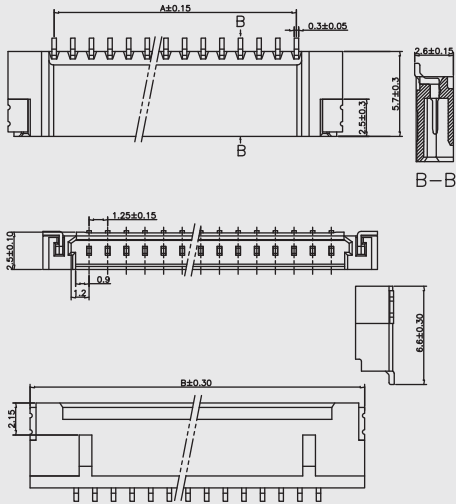
Type	No.	Item	Model	Drawing No.	05-20 Pin	Material	Packing
Board side	01	Header	180° SMT	GWDC203-CB1DS	05-20	PA9T	Tape&Reel
Wire side	02	Housing	/	GWD022-HA	05-20	PA66	PE Bag
	03	Crimp	/	GRD115-T1	/	Phosphor Bronze	Paper plates



► GWDD106-CA2DA



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
03	2.50	8.70
04	3.75	9.95
05	5.00	11.20
06	6.25	12.45
07	7.50	13.70
08	8.75	14.95
09	10.00	16.20
10	11.25	17.45
11	12.50	18.70
12	13.75	19.95
13	15.00	21.20
14	16.25	22.45
15	17.50	23.70
16	18.75	24.95
17	20.00	26.20
18	21.25	27.45
19	22.50	28.70
20	23.75	29.95
21	25.00	31.20
22	26.25	32.45
23	27.50	33.70
24	28.75	34.95
25	30.00	36.20
26	31.25	37.45
27	32.50	38.70
28	33.75	39.95
29	35.00	41.20
30	36.25	42.45

90° SMT Header 01

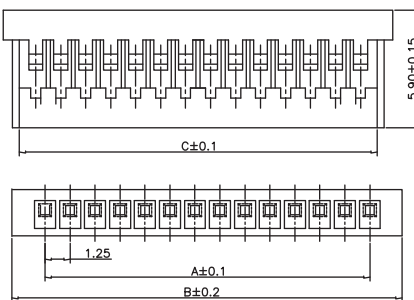
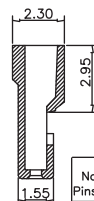
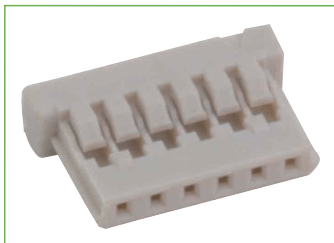
Specifications:

- Voltage Rating: 200V/AC
- Current Rating: 1.5A
- Withstanding Voltage: 1000V/AC
- Contact Resistance: 30mΩ Max.
- Insulation Resistance: 1000MΩ Min.
- Wire Range: AWG #26~32
- Insulator Material: UL94V-0
- Operating Temperature: -25°C to +85°C



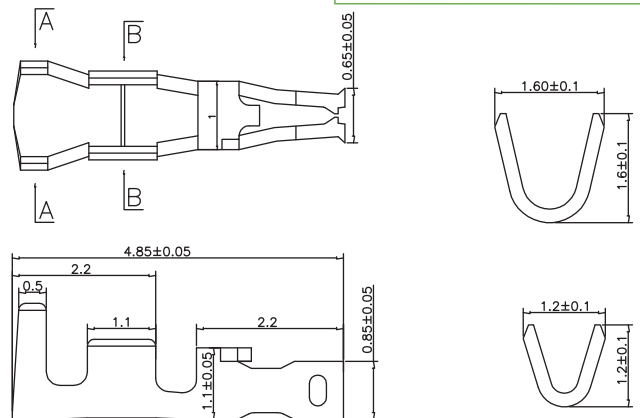
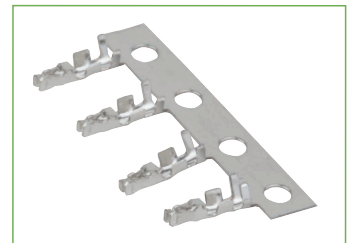
Request Quotation

Housing 02



No. of Pins/Row	Dimensions Information		
	A	B	C
02	1.25	2.90	4.50
03	2.50	4.15	5.75
04	3.75	5.40	7.00
05	5.00	6.65	8.25
06	6.25	7.90	9.50
07	7.50	9.15	10.75
08	8.75	10.40	12.00
09	10.00	11.65	13.25
10	11.25	12.90	14.50
11	12.50	14.15	15.75
12	13.75	15.40	17.00
13	15.00	16.65	18.25
14	16.25	17.90	19.50
15	17.50	19.15	20.75
16	18.75	20.40	22.00
17	20.00	21.65	23.25
18	21.25	22.90	24.50
19	22.50	24.15	25.75
20	23.75	25.40	27.00
21	25.00	26.65	28.25
22	26.25	27.90	29.50
23	27.50	29.15	30.75
24	28.75	30.40	32.00
25	30.00	31.65	33.25
26	31.25	32.90	34.50
27	32.50	34.15	35.75
28	33.75	35.40	37.00
29	34.50	36.65	38.25
30	35.75	37.90	39.50

03 Crimp

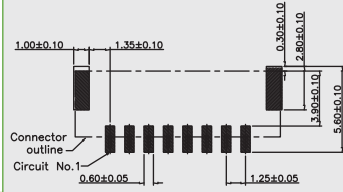
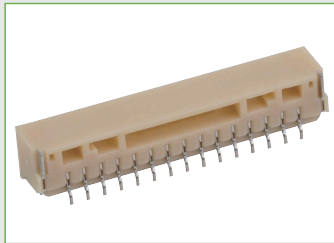


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWDD106-CA2DA	03-30	PA9T	Tape&Reel
Wire side	02	Housing	/	GHD171-HA	02-30	PA66	PE Bag
	03	Crimp	/	GRD119-T1	/	Phosphor Bronze	Paper plates

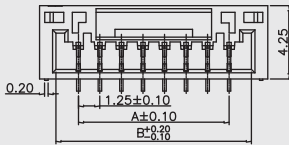




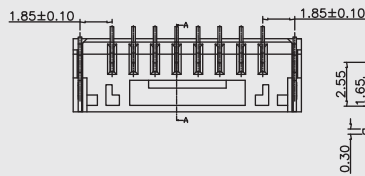
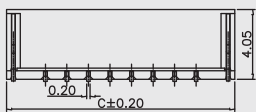
► GWDC101-CA1DA



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.25	3.85	5.75
03	2.50	5.10	7.00
04	3.75	6.35	8.25
05	5.00	7.60	9.50
06	6.25	8.85	10.75
07	7.50	10.10	12.00
08	8.75	11.35	13.25
09	10.00	12.60	14.50
10	11.25	13.85	15.75
11	12.50	15.10	17.00
12	13.75	16.35	18.25
13	15.00	17.60	19.50
14	16.25	18.85	20.75
15	17.50	20.10	22.00



180° SMT Header 01

Specifications:

Voltage Rating: 150V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 100MΩ Min.

Wire Range: AWG #28~32

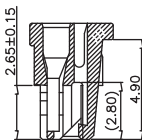
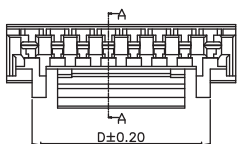
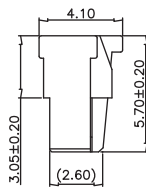
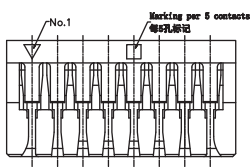
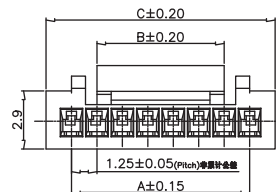
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



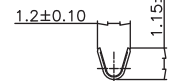
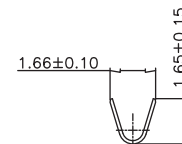
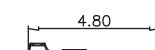
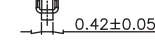
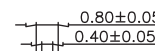
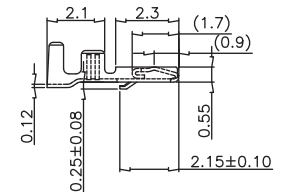
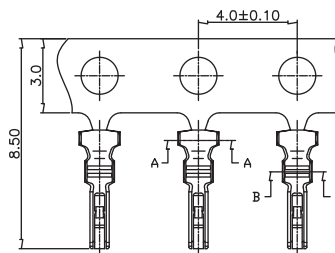
Request Quotation

Housing 02



No. of Pins/Row	Dimension Information			
	A	B	C	D
02	1.25	2.00	3.75	
03	2.50	3.20	5.00	
04	3.75	4.25	6.25	
05	5.00	6.25	7.50	
06	6.25	6.25	8.75	
07	7.50	6.25	10.00	
08	8.75	6.25	11.25	8.75
09	10.00	6.25	12.50	10.00
10	11.25	8.20	13.75	11.25
11	12.50	8.20	15.00	12.50
12	13.75	8.20	16.25	13.75
13	15.00	8.20	17.50	15.00
14	16.25	8.20	18.75	13.75
15	17.50	8.20	20.00	15.00
18	21.25	8.20	23.75	10.70
20	23.75	8.20	26.25	10.70

Crimp 03



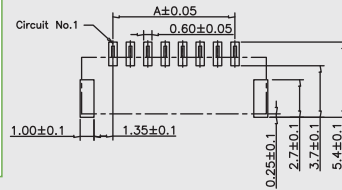
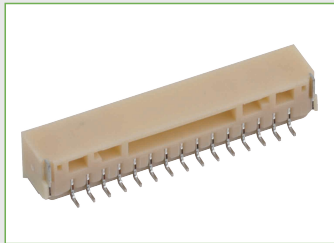
SEC:A-A

SEC:B-B

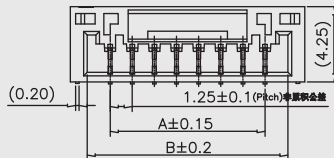
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWDC101-CA1DA	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GFZ271-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRK105-T1	/	Phosphor Bronze	Paper plates



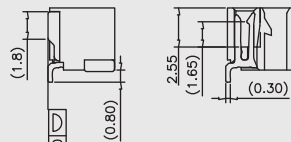
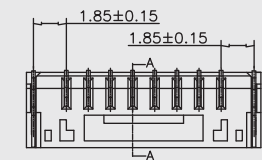
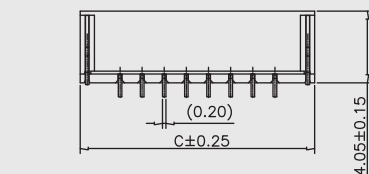
# ▶ CWDD102-CA1DS



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	1.25	3.85	5.75
03	2.50	5.10	7.00
04	3.75	6.35	8.25
05	5.00	7.60	9.50
06	6.25	8.85	10.75
07	7.50	10.10	12.00
08	8.75	11.35	13.25
09	10.00	12.60	14.50
10	11.25	13.85	15.75
11	12.50	15.10	17.00
12	13.75	16.35	18.25
13	15.00	17.60	19.50
14	16.25	18.85	20.75
15	17.50	20.10	22.00
18	21.25	23.85	25.75
20	23.75	26.35	28.25



90° SMT Header 01

## Specifications:

Voltage Rating: 150V/AC

Current Rating: 1A

Withstanding Voltage: 500V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 100MΩ Min.

Wire Range: AWG #28~32

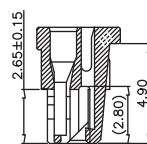
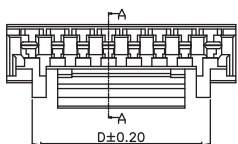
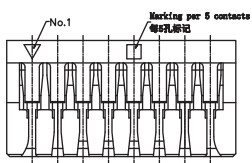
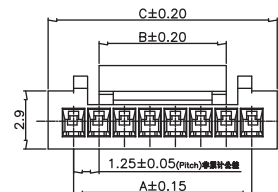
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



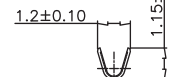
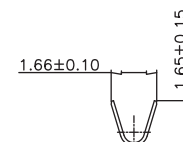
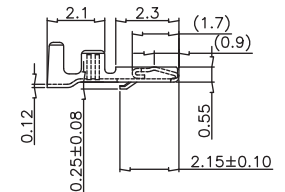
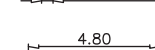
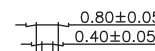
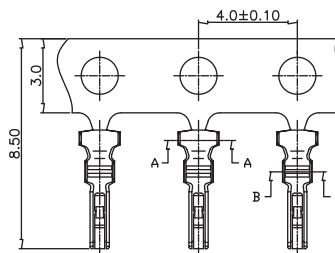
Request Quotation

## Housing 02



No. of Pins/Row	Dimension Information			
	A	B	C	D
02	1.25	2.00	3.75	
03	2.50	3.20	5.00	
04	3.75	4.25	6.25	
05	5.00	6.25	7.50	
06	6.25	6.25	8.75	
07	7.50	6.25	10.00	
08	8.75	6.25	11.25	8.75
09	10.00	6.25	12.50	10.00
10	11.25	8.20	13.75	11.25
11	12.50	8.20	15.00	12.50
12	13.75	8.20	16.25	13.75
13	15.00	8.20	17.50	15.00
14	16.25	8.20	18.75	13.75
15	17.50	8.20	20.00	15.00
18	21.25	8.20	23.75	10.70
20	23.75	8.20	26.25	10.70

## 03 Crimp



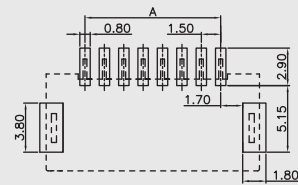
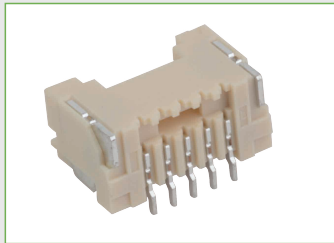
SEC:A-A

SEC:B-B

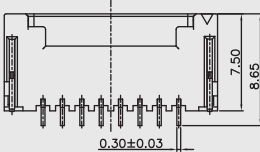
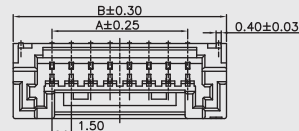
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	CWDD102-CA1DS	02-20	PA9T	Tape&Reel
Wire side	02	Housing	/	GFZ271-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRK105-T1	/	Phosphor Bronze	Paper plates



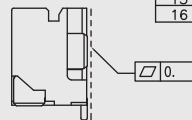
► GWZD133-CA1DA



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	1.50	7.50
03	3.00	9.00
04	4.50	10.50
05	6.00	12.00
06	7.50	13.50
07	9.00	15.00
08	10.50	16.50
09	12.00	18.00
10	13.50	19.50
11	15.00	21.00
12	16.50	22.50
13	18.00	24.00
14	19.50	25.50
15	21.00	27.00
16	22.50	28.50



90° SMT Header 01

Specifications:

Voltage Rating: 100V/AC

Current Rating: 2A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 500MΩ Min.

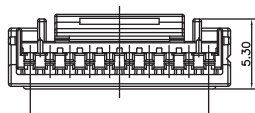
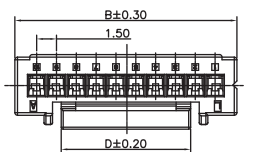
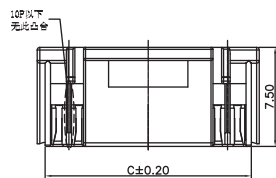
Wire Range: AWG #24~28

Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



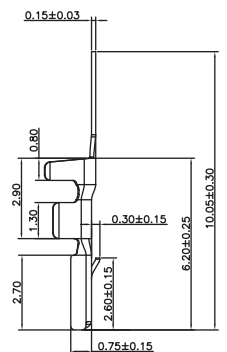
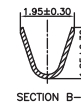
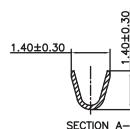
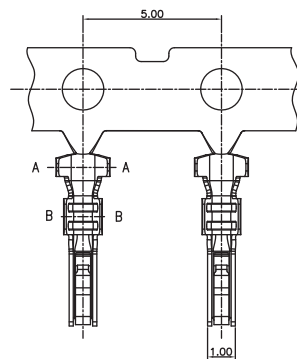
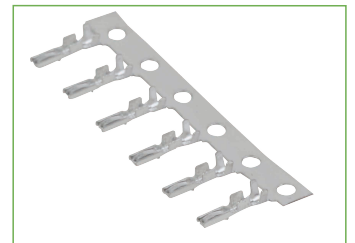
Request Quotation



No. of Pins/Row	Dimension Information			
	A	B	C	D
02	1.50	5.00	3.60	2.70
03	3.00	6.30	5.10	3.45
04	4.50	7.80	6.60	4.45
05	6.00	9.30	8.10	4.45
06	7.50	10.80	9.60	7.45
07	9.00	12.30	11.10	7.45
08	10.50	13.80	12.60	9.80
09	12.00	15.30	14.10	9.80
10	13.50	16.80	15.60	9.80
11	15.00	18.30	17.10	9.80
12	16.50	19.80	18.60	9.80
13	18.00	21.30	20.10	11.30
14	19.50	22.80	21.60	11.30
15	21.00	24.30	23.10	11.30
16	22.50	25.80	24.60	11.30

Housing 02

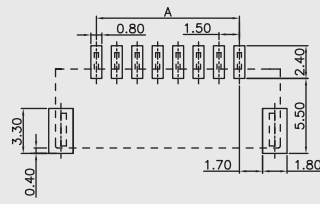
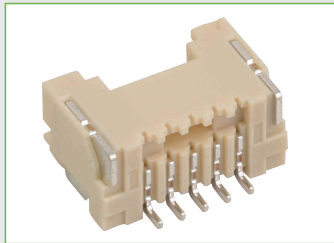
03 Crimp



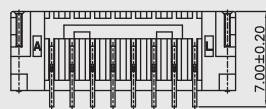
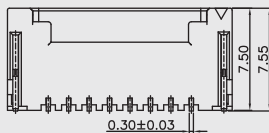
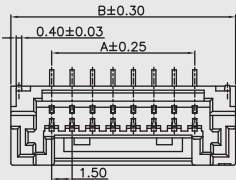
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWZD133-CA1DA	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GHZ181-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRZ1C7-T1	/	Phosphor Bronze	Paper plates



# GWZC120-CA1DA



Recommended PCB Layout



No. of Pins/Row	Dimension A	Dimension B
02	1.50	7.50
03	3.00	9.00
04	4.50	10.50
05	6.00	12.00
06	7.50	13.50
07	9.00	15.00
08	10.50	16.50
09	12.00	18.00
10	13.50	19.50
11	15.00	21.00
12	16.50	22.50
13	18.00	24.00
14	19.50	25.50
15	21.00	27.00
16	22.50	28.50

180° SMT Header 01

## Specifications:

Voltage Rating: 100V/AC

Current Rating: 2A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 500MΩ Min.

Wire Range: AWG #24~28

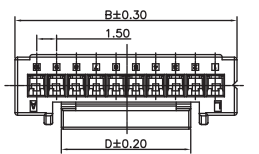
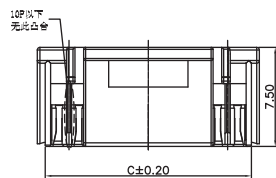
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



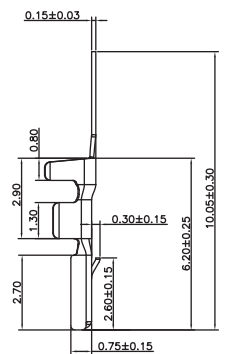
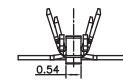
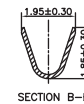
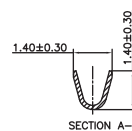
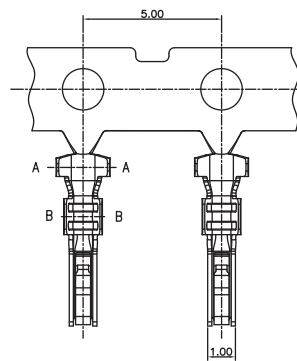
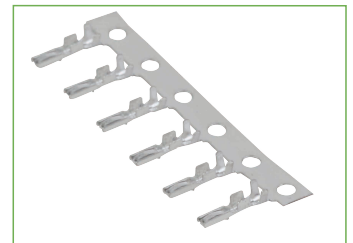
Request Quotation

## Housing 02



No. of Pins/Row	Dimension A	Dimension B	Dimension C	Dimension D
02	1.50	5.00	3.60	2.70
03	3.00	6.30	5.10	3.45
04	4.50	7.80	6.60	4.45
05	6.00	9.30	8.10	4.45
06	7.50	10.80	9.60	7.45
07	9.00	12.30	11.10	7.45
08	10.50	13.80	12.60	9.80
09	12.00	15.30	14.10	9.80
10	13.50	16.80	15.60	9.80
11	15.00	18.30	17.10	9.80
12	16.50	19.80	18.60	9.80
13	18.00	21.30	20.10	11.30
14	19.50	22.80	21.60	11.30
15	21.00	24.30	23.10	11.30
16	22.50	25.80	24.60	11.30

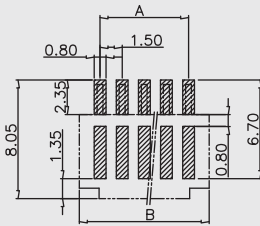
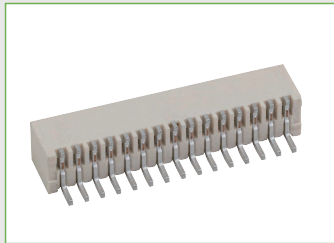
## 03 Crimp



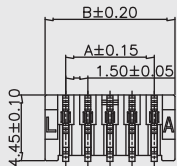
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWZC120-CA1DA	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GHZ181-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRZ1C7-T1	/	Phosphor Bronze	Paper plates



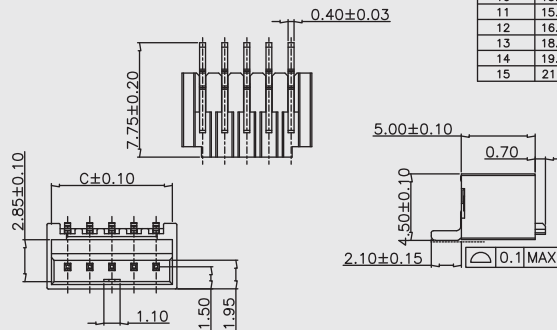
# GWZD124-CA1CZ



Recommended PCB Layout



No. of Pins/Row	Dimension information		
	A	B	C
02	1.50	4.30	3.70
03	3.00	5.80	5.20
04	4.50	7.30	6.70
05	6.00	8.80	8.20
06	7.50	10.30	9.70
07	9.00	11.80	11.20
08	10.50	13.30	12.70
09	12.00	14.80	14.20
10	13.50	16.30	15.70
11	15.00	17.80	17.20
12	16.50	19.30	18.70
13	18.00	20.80	20.20
14	19.50	22.30	21.70
15	21.00	23.80	23.20



90° SMT Header 01

## Specifications:

Voltage Rating: 350V/AC

Current Rating: 3A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #24~28

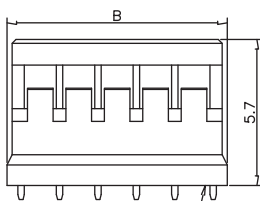
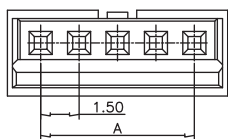
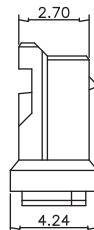
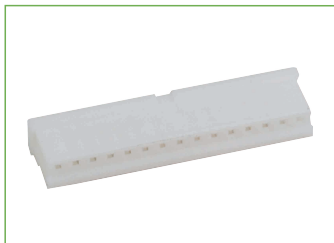
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



Request Quotation

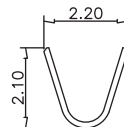
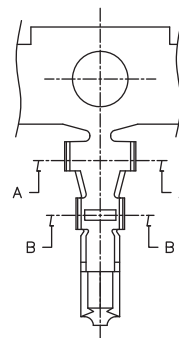
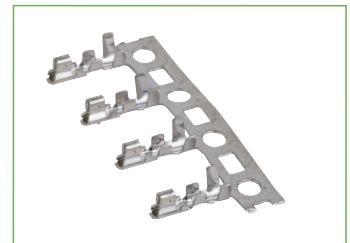
## Housing 02



Circuit 1

No. of Pins/Row	Dimension information	
	A	B
02	1.50	4.10
03	3.00	5.60
04	4.50	7.10
05	6.00	8.60
06	7.50	10.10
07	9.00	11.60
08	10.50	13.10
09	12.00	14.60
10	13.50	16.10
11	15.00	17.60
12	16.50	19.10
13	18.00	20.60
14	19.50	22.10
15	21.00	23.60

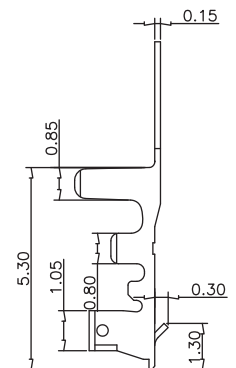
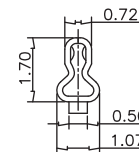
## 03 Crimp



SEC:A-A



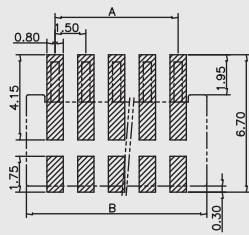
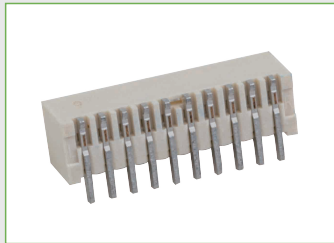
SEC:B-B



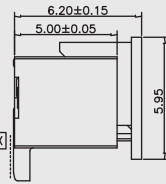
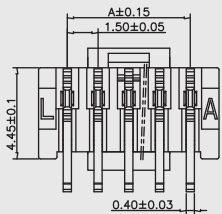
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWZD124-CA1CZ	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GWZ121-HA	02-15	PA66	PE Bag
	03	Crimp	/	GRZ1A49-T1	/	Phosphor Bronze	Paper plates



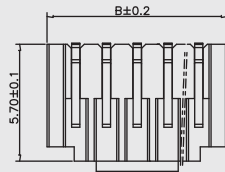
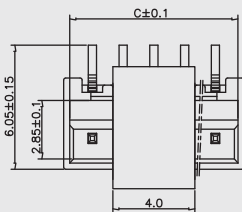
# GWZC110-CA4CB



Recommended PCB Layout



No of Pins/Row	Dimensions Information		
	A	B	C
02	1.50	4.30	3.70
03	3.00	5.80	5.20
04	4.50	7.30	6.70
05	6.00	8.80	8.20
06	7.50	10.30	9.70
07	9.00	11.80	11.20
08	10.50	13.30	12.70
09	12.00	14.80	14.20
10	13.50	16.30	15.70
11	15.00	17.80	17.20
12	16.50	19.30	18.70
13	18.00	20.80	20.20
14	19.50	22.30	21.70
15	21.00	23.80	23.20



180° SMT Header 01

## Specifications:

Voltage Rating: 350V/AC

Current Rating: 3A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

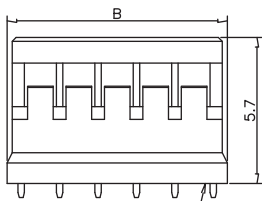
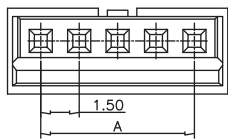
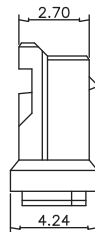
Wire Range: AWG #24~28

Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



Request Quotation

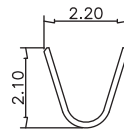
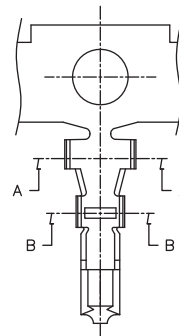
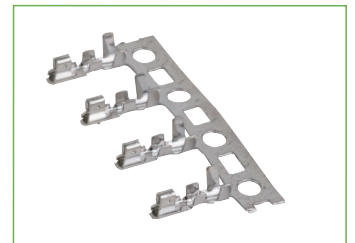


Circuit 1

Housing 02

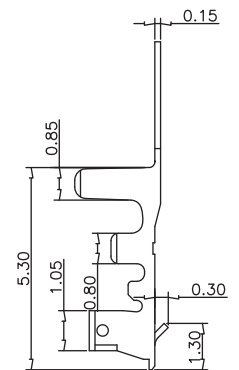
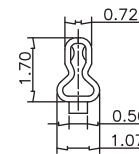
No. of Pins/Row	Dimension Information	
	A	B
02	1.50	4.10
03	3.00	5.60
04	4.50	7.10
05	6.00	8.60
06	7.50	10.10
07	9.00	11.60
08	10.50	13.10
09	12.00	14.60
10	13.50	16.10
11	15.00	17.60
12	16.50	19.10
13	18.00	20.60
14	19.50	22.10
15	21.00	23.60

Crimp 03



SEC:A-A

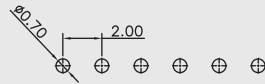
SEC:B-B



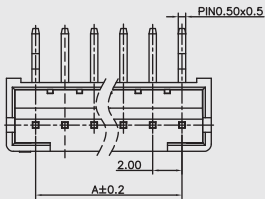
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWZC110-CA4CB	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GWZ121-HA	02-15	PA66	PE Bag
	03	Crimp	/	GRZ1A49-T1	/	Phosphor Bronze	Paper plates



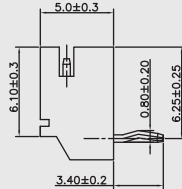
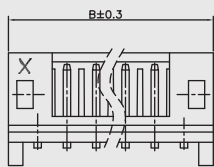
# GWFB123-CA1EZ



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	6.00
03	4.00	8.00
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00
16	30.00	34.00



90° R/A Header 01

## Specifications:

Voltage Rating: 100V/AC

Current Rating: 2A

Withstanding Voltage: 800V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

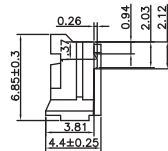
Wire Range: AWG #24~32

Insulator Material: UL94V-0

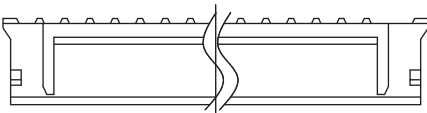
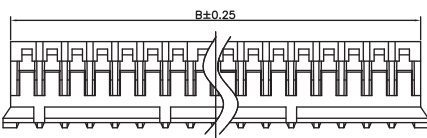
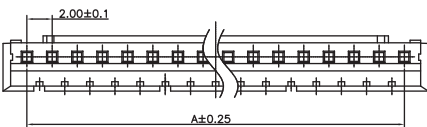
Operating Temperature: -40°C to +105°C



Request Quotation

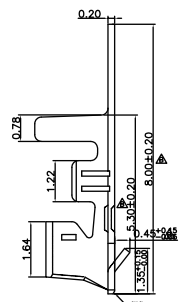
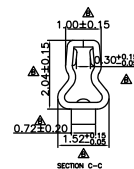
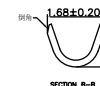
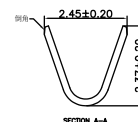
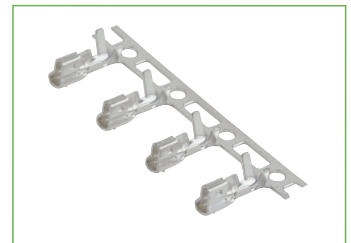
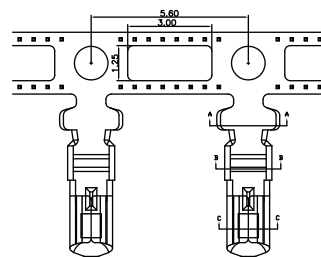


Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	4.60
03	4.00	6.60
04	6.00	8.60
05	8.00	10.60
06	10.00	12.60
07	12.00	14.60
08	14.00	16.60
09	16.00	18.60
10	18.00	20.60
11	20.00	22.60
12	22.00	24.60
13	24.00	26.60
14	26.00	28.60
15	28.00	30.60
16	30.00	32.60

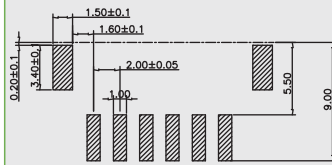
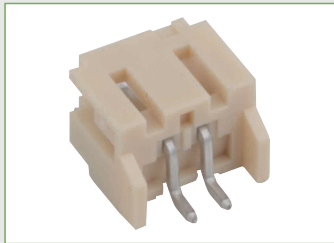
03 Crimp



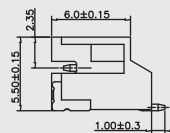
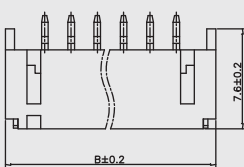
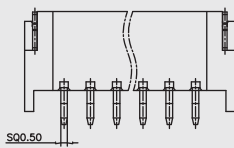
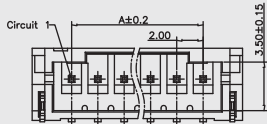
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWFB123-CA1EZ	02-16	PA66	Tape&Reel
Wire side	02	Housing	/	GWFB181-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF143-T1	/	Phosphor Bronze	Paper plates



# GWFD101-C13DB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	8.00
03	4.00	10.00
04	6.00	12.00
05	8.00	14.00
06	10.00	16.00
07	12.00	18.00
08	14.00	20.00
09	16.00	22.00
10	18.00	24.00
11	20.00	26.00
12	22.00	28.00
13	24.00	30.00
14	26.00	32.00
15	28.00	34.00
16	30.00	36.00

90° SMT Header 01

## Specifications:

Voltage Rating: 100V/AC

Current Rating: 2A

Withstanding Voltage: 800V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #24~32

Insulator Material: UL94V-0

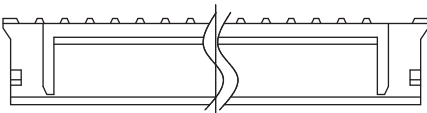
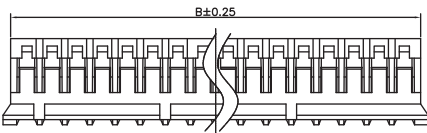
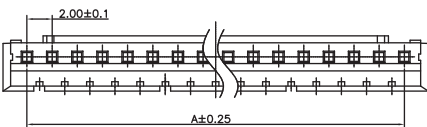
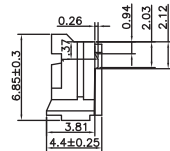
Operating Temperature: -40°C to +105°C



Request Quotation

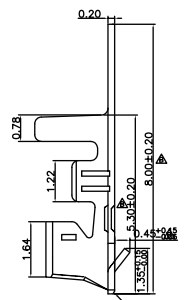
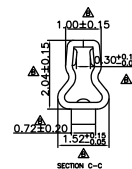
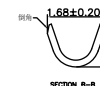
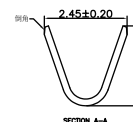
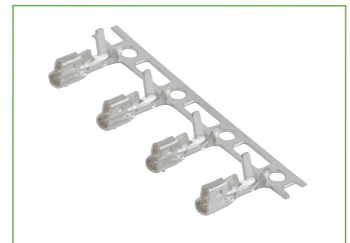
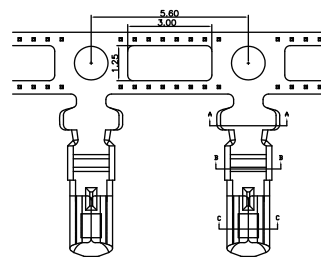


Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	4.60
03	4.00	6.60
04	6.00	8.60
05	8.00	10.60
06	10.00	12.60
07	12.00	14.60
08	14.00	16.60
09	16.00	18.60
10	18.00	20.60
11	20.00	22.60
12	22.00	24.60
13	24.00	26.60
14	26.00	28.60
15	28.00	30.60
16	30.00	32.60

03 Crimp

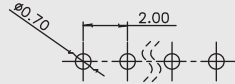
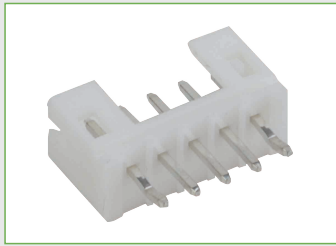


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWFD101-C13DB	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GWF181-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF143-T1	/	Phosphor Bronze	Paper plates

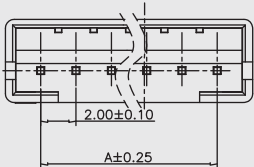




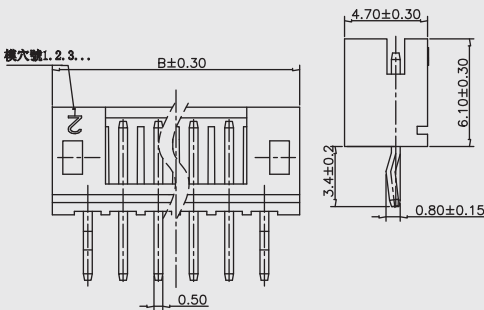
# GWFA117-CA800EW



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	6.00
03	4.00	8.00
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00
16	30.00	34.00



180° S/T Header 01

## Specifications:

Voltage Rating: 100V/AC

Current Rating: 2A

Withstanding Voltage: 800V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

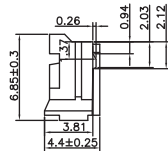
Wire Range: AWG #24~32

Insulator Material: UL94V-0

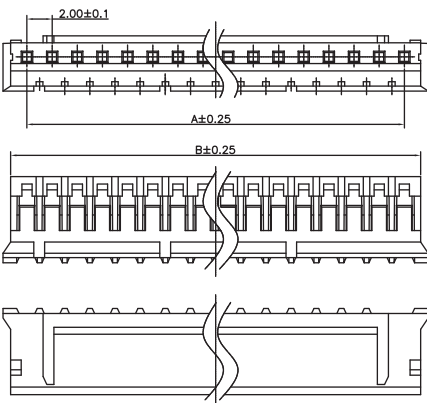
Operating Temperature: -40°C to +105°C



Request Quotation

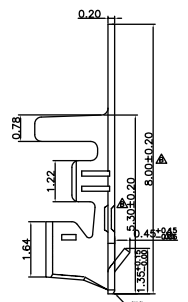
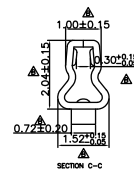
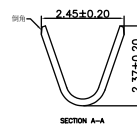
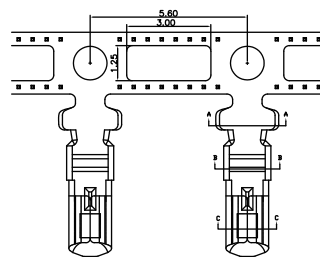
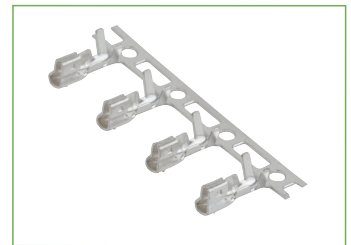


Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	4.60
03	4.00	6.60
04	6.00	8.60
05	8.00	10.60
06	10.00	12.60
07	12.00	14.60
08	14.00	16.60
09	16.00	18.60
10	18.00	20.60
11	20.00	22.60
12	22.00	24.60
13	24.00	26.60
14	26.00	28.60
15	28.00	30.60
16	30.00	32.60

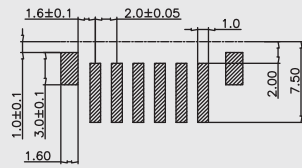
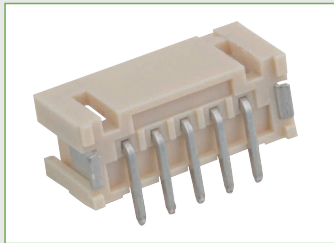
03 Crimp



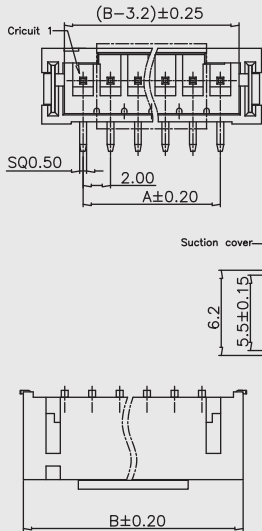
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWFA117-CA800EW	02-16	PA66	Tape&Reel
Wire side	02	Housing	/	GWF181-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF143-T1	/	Phosphor Bronze	Paper plates



► GWFC108-CA1DB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	8.00
03	4.00	10.00
04	6.00	12.00
05	8.00	14.00
06	10.00	16.00
07	12.00	18.00
08	14.00	20.00
09	16.00	22.00
10	18.00	24.00
11	20.00	26.00
12	22.00	28.00
13	24.00	30.00
14	26.00	32.00
15	28.00	34.00
16	30.00	36.00

180° SMT Header 01

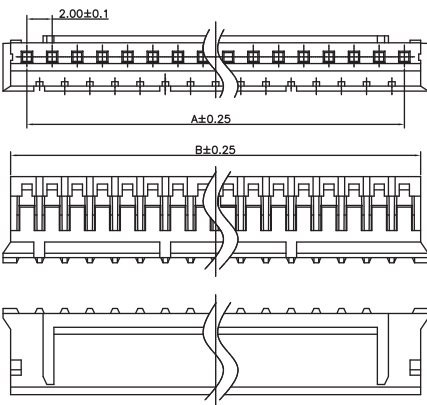
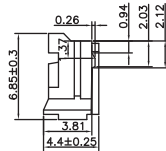
Specifications:

- Voltage Rating: 100V/AC
- Current Rating: 2A
- Withstanding Voltage: 800V/AC
- Contact Resistance: 20mΩ Max.
- Insulation Resistance: 1000MΩ Min.
- Wire Range: AWG #24~32
- Insulator Material: UL94V-0
- Operating Temperature: -40°C to +105°C



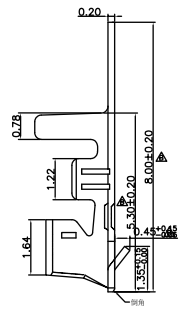
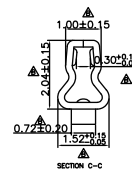
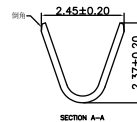
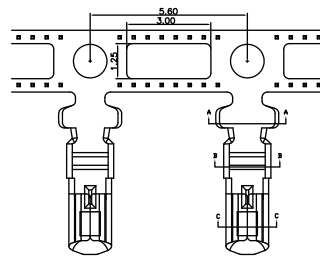
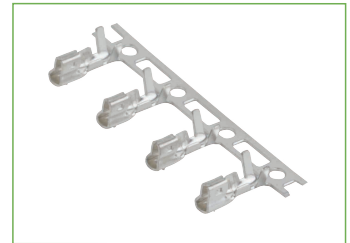
Request Quotation

Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	4.60
03	4.00	6.60
04	6.00	8.60
05	8.00	10.60
06	10.00	12.60
07	12.00	14.60
08	14.00	16.60
09	16.00	18.60
10	18.00	20.60
11	20.00	22.60
12	22.00	24.60
13	24.00	26.60
14	26.00	28.60
15	28.00	30.60
16	30.00	32.60

03 Crimp



Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWFC108-CA1DB	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GWFC181-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF143-T1	/	Phosphor Bronze	Paper plates



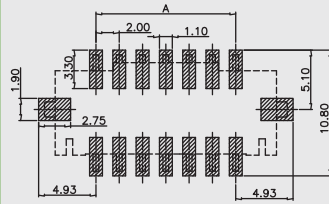
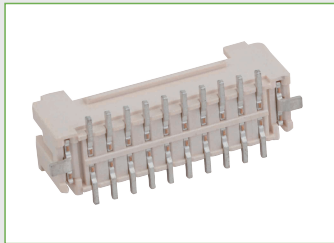
# GWFC204-CA1CB

## Specifications:

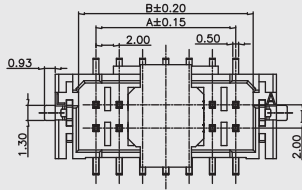
- Voltage Rating: 250V/AC
- Current Rating: 2A
- Withstanding Voltage: 1000V/AC
- Contact Resistance: 10mΩ Max.
- Insulation Resistance: 1000MΩ Min.
- Wire Range: AWG #22~28
- Insulator Material: UL94V-0
- Operating Temperature: -25°C to +105°C



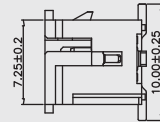
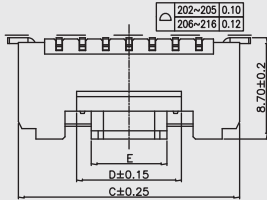
Request Quotation



Recommended PCB Layout

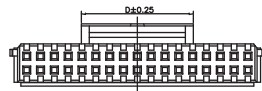
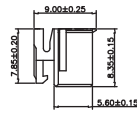
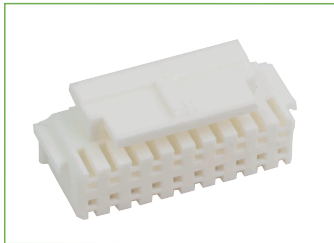


No. of Pins/Row	Dimension Information				
	A	B	C	D	E
02	2.00	5.00	9.00	3.00	小▲(4.5)
03	4.00	7.00	11.00	3.00	
04	6.00	9.00	13.00	3.00	
05	8.00	11.00	15.00	5.00	
06	10.00	13.00	17.00	7.00	
07	12.00	15.00	19.00	9.00	
08	14.00	17.00	21.00	11.00	
09	16.00	19.00	23.00	13.00	
10	18.00	21.00	25.00	15.00	
11	20.00	23.00	27.00	17.00	大▲(6.5)
12	22.00	25.00	29.00	19.00	
13	24.00	27.00	31.00	21.00	
14	26.00	29.00	33.00	23.00	
15	28.00	31.00	35.00	25.00	
16	30.00	33.00	37.00	27.00	

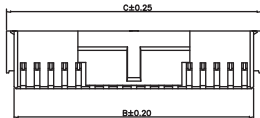
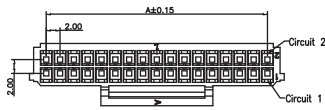


180° SMT Header 01

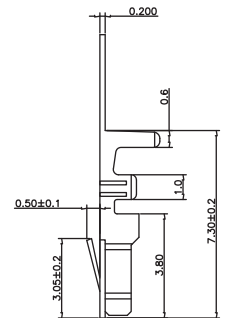
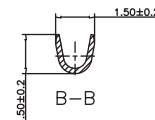
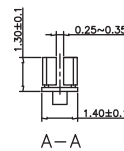
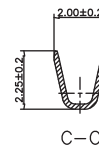
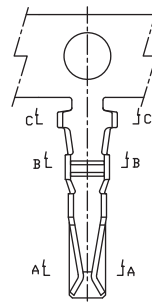
## Housing 02



No. of Pins/Row	Dimension Information			
	A	B	C	D
02	2.00	4.65	6.90	3.20
03	4.00	6.65	8.90	3.20
04	6.00	8.65	10.90	5.50
05	8.00	10.65	12.90	5.50
06	10.00	12.65	14.90	5.50
07	12.00	14.65	16.90	5.50
08	14.00	16.65	18.90	11.00
09	16.00	18.65	20.90	11.00
10	18.00	20.65	22.90	11.00
11	20.00	22.65	24.90	11.00
12	22.00	24.65	26.90	11.00
13	24.00	26.65	28.90	11.00
14	26.00	28.65	30.90	16.20
15	28.00	30.65	32.90	16.20
16	30.00	32.65	34.90	16.20
17	32.00	34.65	36.90	16.20
18	34.00	36.65	38.90	16.20



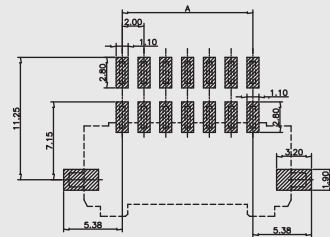
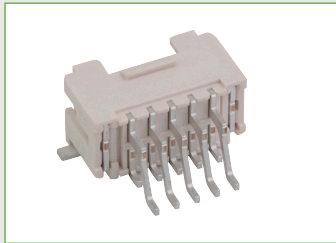
## 03 Crimp



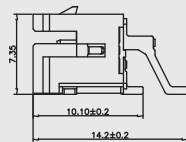
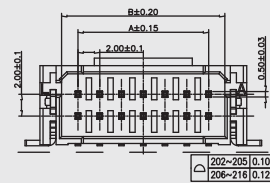
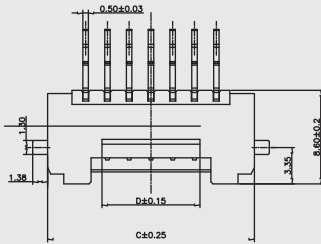
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWFC204-CA1CB	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GWFC252-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF173-T1	/	Phosphor Bronze	Paper plates



# GWFD201-CA1CB



Recommended PCB Layout



No. of Pins/Row	Dimensions Information			
	A	B	C	D
02	2.00	5.00	9.00	3.00
03	4.00	7.00	11.00	3.00
04	6.00	9.00	13.00	3.00
05	8.00	11.00	15.00	5.00
06	10.00	13.00	17.00	7.00
07	12.00	15.00	19.00	9.00
08	14.00	17.00	21.00	11.00
09	16.00	19.00	23.00	13.00
10	18.00	21.00	25.00	15.00
11	20.00	23.00	27.00	17.00
12	22.00	25.00	29.00	19.00
13	24.00	27.00	31.00	21.00
14	26.00	29.00	33.00	23.00
15	28.00	31.00	35.00	25.00
16	30.00	33.00	37.00	27.00

90° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~28

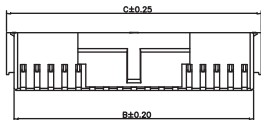
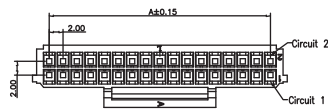
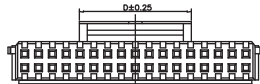
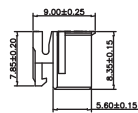
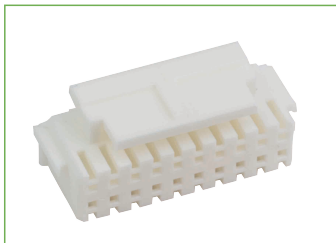
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



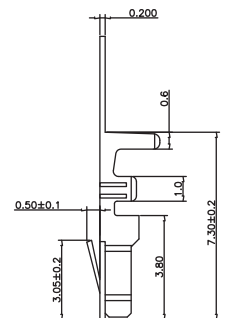
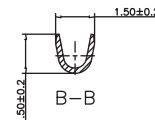
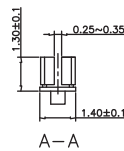
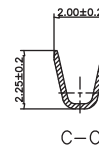
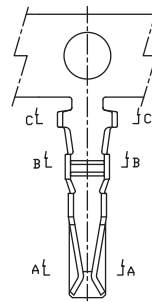
Request Quotation

## Housing 02



No. of Pins/Row	Dimension Information			
	A	B	C	D
02	2.00	4.65	6.90	3.20
03	4.00	6.65	8.90	3.20
04	6.00	8.65	10.90	5.50
05	8.00	10.65	12.90	5.50
06	10.00	12.65	14.90	5.50
07	12.00	14.65	16.90	5.50
08	14.00	16.65	18.90	11.00
09	16.00	18.65	20.90	11.00
10	18.00	20.65	22.90	11.00
11	20.00	22.65	24.90	11.00
12	22.00	24.65	26.90	11.00
13	24.00	26.65	28.90	11.00
14	26.00	28.65	30.90	16.20
15	28.00	30.65	32.90	16.20
16	30.00	32.65	34.90	16.20
17	32.00	34.65	36.90	16.20
18	34.00	36.65	38.90	16.20

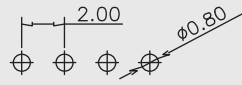
## Crimp 03



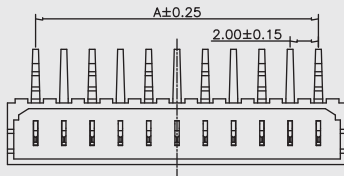
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWFD201-CA1CB	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GWFD252-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF173-T1	/	Phosphor Bronze	Paper plates



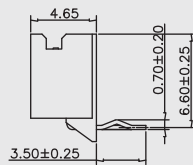
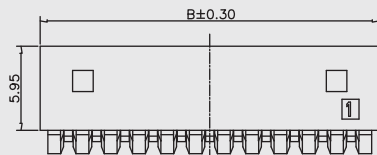
# GWFB123-CA2EA



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	6.00
03	4.00	8.00
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00



90° R/A Header 01

## Specifications:

Voltage Rating: 125V/AC

Current Rating: 2A

Withstanding Voltage: 800V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #26~26

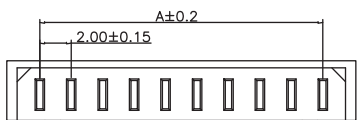
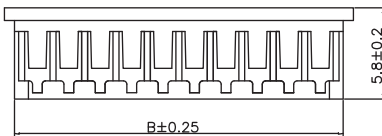
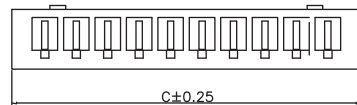
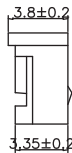
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



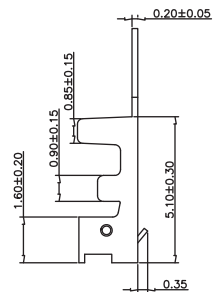
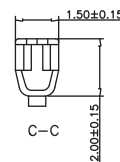
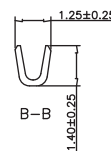
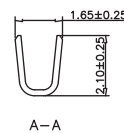
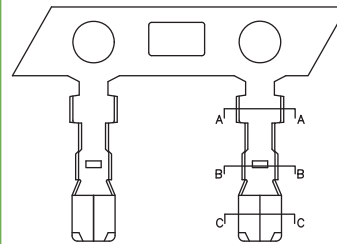
Request Quotation

Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	4.90	6.10
03	4.00	6.90	8.10
04	6.00	8.90	10.10
05	8.00	10.90	12.10
06	10.00	12.90	14.10
07	12.00	14.90	16.10
08	14.00	16.90	18.10
09	16.00	18.90	20.10
10	18.00	20.90	22.10
11	20.00	22.90	24.10
12	22.00	24.90	26.10
13	24.00	26.90	28.10
14	26.00	28.90	30.10
15	28.00	30.90	32.10

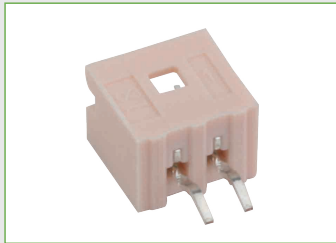
Crimp 03



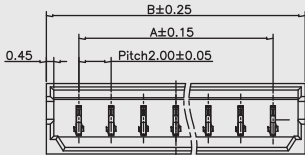
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWFB123-CA2EA	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHF551-HA	02-15	PA66	PE Bag
	03	Crimp	/	GRF137-T1	/	Phosphor Bronze	Paper plates



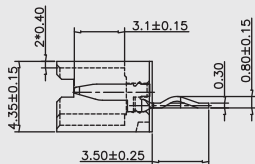
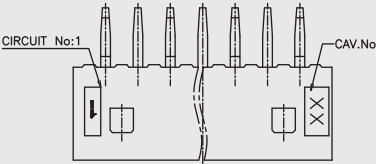
# GWFA114-CA800ES



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	6.00
03	4.00	8.00
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00



180° S/T Header 01

## Specifications:

Voltage Rating: 125V/AC

Current Rating: 2A

Withstanding Voltage: 800V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #26~26

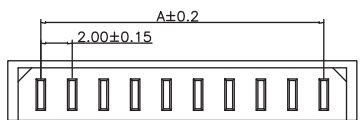
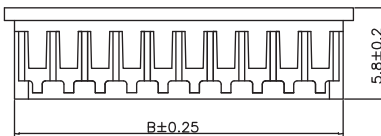
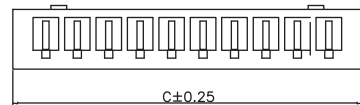
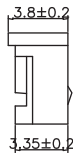
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



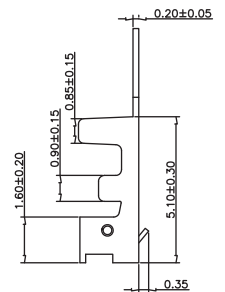
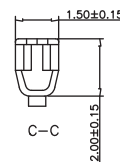
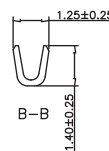
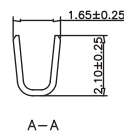
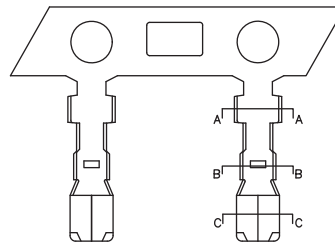
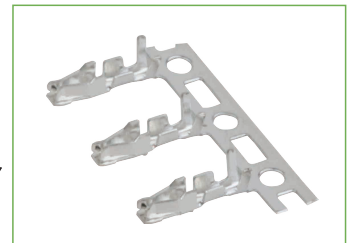
Request Quotation

## Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	4.90	6.10
03	4.00	6.90	8.10
04	6.00	8.90	10.10
05	8.00	10.90	12.10
06	10.00	12.90	14.10
07	12.00	14.90	16.10
08	14.00	16.90	18.10
09	16.00	18.90	20.10
10	18.00	20.90	22.10
11	20.00	22.90	24.10
12	22.00	24.90	26.10
13	24.00	26.90	28.10
14	26.00	28.90	30.10
15	28.00	30.90	32.10

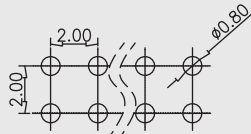
## 03 Crimp



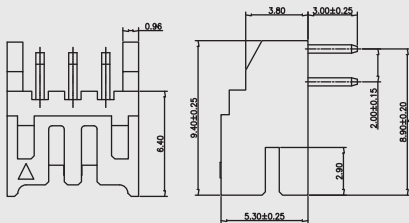
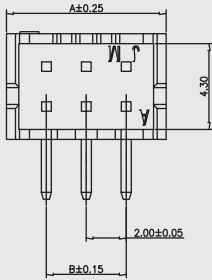
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWFA114-CA800ES	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHF551-HA	02-15	PA66	PE Bag
	03	Crimp	/	GRF137-T1	/	Phosphor Bronze	Paper plates



# GWFB208-CA1DZ



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	6.00	2.00
03	8.00	4.00
04	10.00	6.00
05	12.00	8.00
06	14.00	10.00
07	16.00	12.00
08	18.00	14.00
09	20.00	16.00
10	22.00	18.00
11	24.00	20.00
12	26.00	22.00
13	28.00	24.00
14	30.00	26.00
15	32.00	28.00
16	34.00	30.00
17	36.00	32.00
18	38.00	34.00
19	40.00	36.00
20	42.00	38.00

90° R/A Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 800V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~28

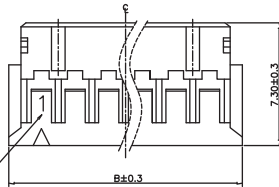
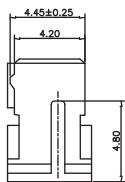
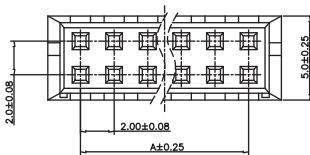
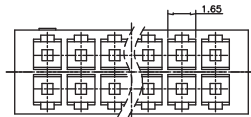
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



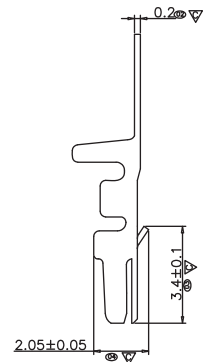
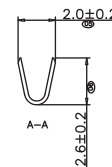
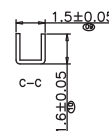
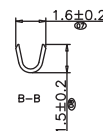
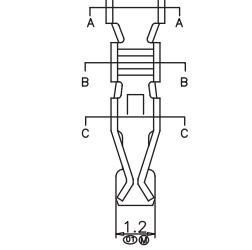
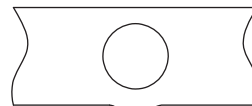
Request Quotation

## Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	6.00
03	4.00	8.00
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00
16	30.00	34.00
17	32.00	36.00
18	34.00	38.00
19	36.00	40.00
20	38.00	42.00

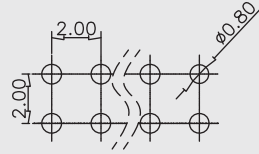
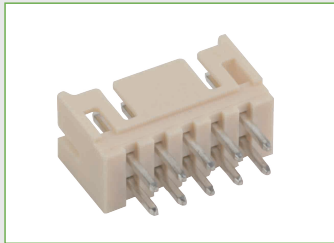
## 03 Crimp



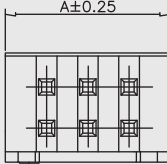
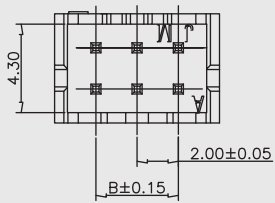
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWFB208-CA1DZ	02-20	PA9T	Tape&Reel
Wire side	02	Housing	/	GFF172-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRF128-T1	/	Phosphor Bronze	Paper plates



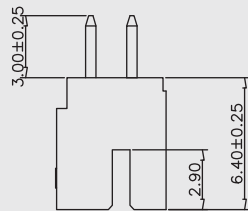
# GWFA210-CA1DZ



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	6.00	2.00
03	8.00	4.00
04	10.00	6.00
05	12.00	8.00
06	14.00	10.00
07	16.00	12.00
08	18.00	14.00
09	20.00	16.00
10	22.00	18.00
11	24.00	20.00
12	26.00	22.00
13	28.00	24.00
14	30.00	26.00
15	32.00	28.00
16	34.00	30.00
17	36.00	32.00
18	38.00	34.00
19	40.00	36.00
20	42.00	38.00



180° S/T Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 800V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

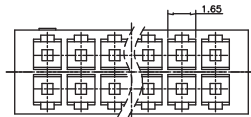
Wire Range: AWG #22~28

Insulator Material: UL94V-0

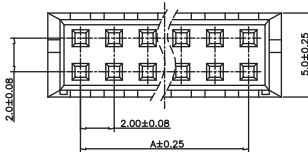
Operating Temperature: -25°C to +85°C



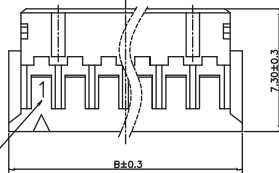
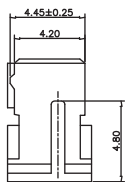
Request Quotation



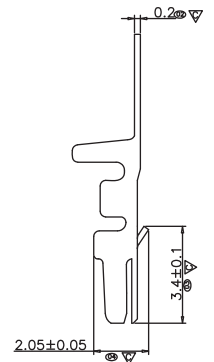
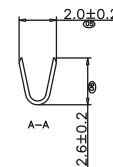
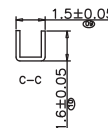
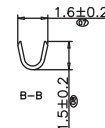
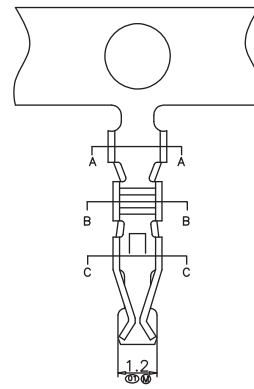
Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	6.00
03	4.00	8.00
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00
16	30.00	34.00
17	32.00	36.00
18	34.00	38.00
19	36.00	40.00
20	38.00	42.00



03 Crimp

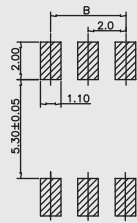
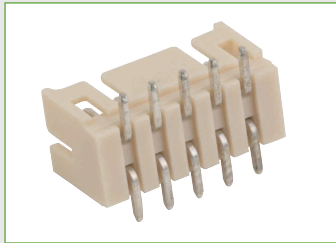


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWFA210-CA1DZ	02-20	PA9T	Tape&Reel
Wire side	02	Housing	/	GFF172-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRF128-T1	/	Phosphor Bronze	Paper plates

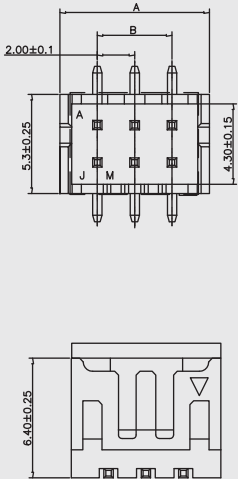




# GWFC201-CA1DZ



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	6.00	2.00
03	8.00	4.00
04	10.00	6.00
05	12.00	8.00
06	14.00	10.00
07	16.00	12.00
08	18.00	14.00
09	20.00	16.00
10	22.00	18.00
11	24.00	20.00
12	26.00	22.00
13	28.00	24.00
14	30.00	26.00
15	32.00	28.00
16	34.00	30.00
17	36.00	32.00
18	38.00	34.00
19	40.00	36.00
20	42.00	38.00

180° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 800V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

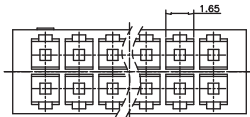
Wire Range: AWG #22~28

Insulator Material: UL94V-0

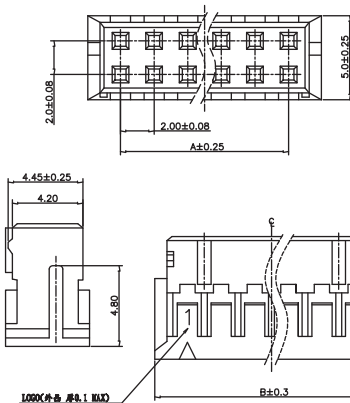
Operating Temperature: -25°C to +85°C



Request Quotation

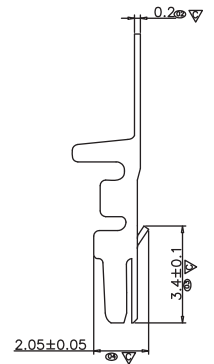
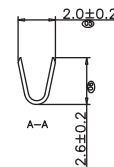
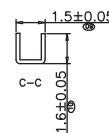
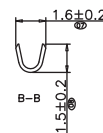
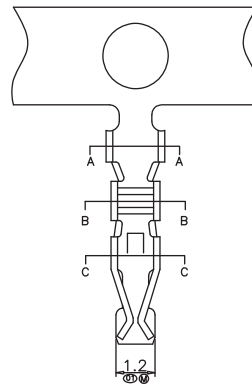


Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	6.00
03	4.00	8.00
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00
16	30.00	34.00
17	32.00	36.00
18	34.00	38.00
19	36.00	40.00
20	38.00	42.00

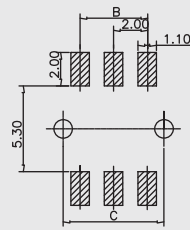
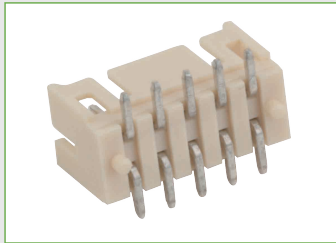
03 Crimp



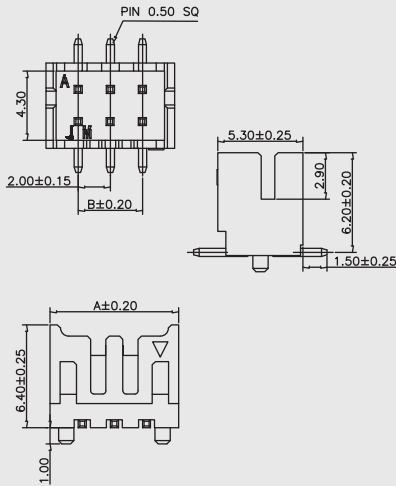
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWFC201-CA1DZ	02-20	PA9T	Tape&Reel
Wire side	02	Housing	/	GFF172-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRF128-T1	/	Phosphor Bronze	Paper plates



# GWFC201-CB1DB



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	6.00	2.00	4.00
03	8.00	4.00	6.00
04	10.00	6.00	8.00
05	12.00	8.00	10.00
06	14.00	10.00	12.00
07	16.00	12.00	14.00
08	18.00	14.00	16.00
09	20.00	16.00	18.00
10	22.00	18.00	20.00
11	24.00	20.00	22.00
12	26.00	22.00	24.00
13	28.00	24.00	26.00
14	30.00	26.00	28.00
15	32.00	28.00	30.00
16	34.00	30.00	32.00
17	36.00	32.00	34.00
18	38.00	34.00	36.00
19	40.00	36.00	38.00
20	42.00	38.00	40.00

180° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 800V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~28

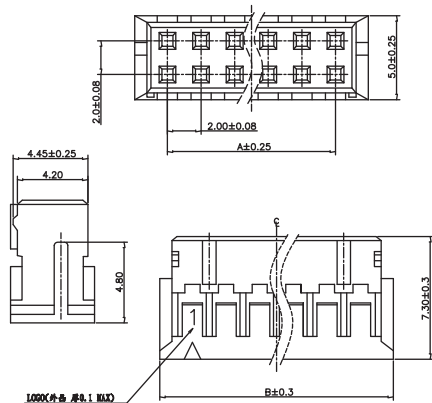
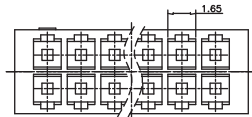
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



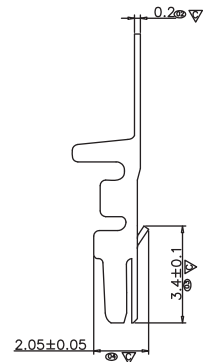
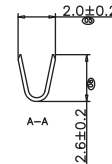
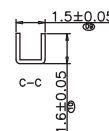
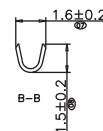
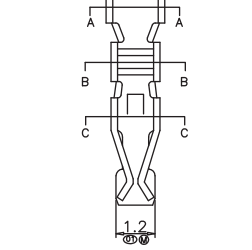
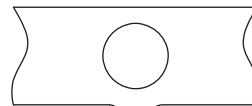
Request Quotation

## Housing 02



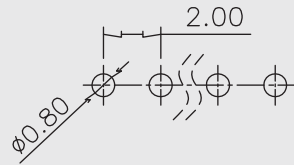
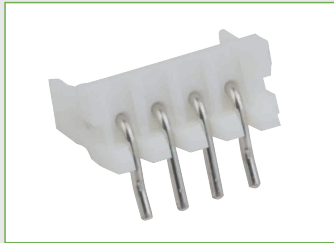
No. of Pins/Row	Dimension Information	
	A	B
02	2.00	6.00
03	4.00	8.00
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00
16	30.00	34.00
17	32.00	36.00
18	34.00	38.00
19	36.00	40.00
20	38.00	42.00

## 03 Crimp

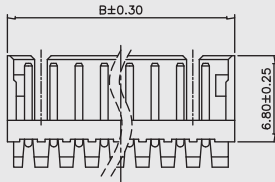
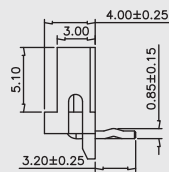
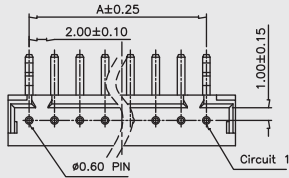


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWFC201-CB1DB	02-20	PA9T	Tape&Reel
Wire side	02	Housing	/	GFF172-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRF128-T1	/	Phosphor Bronze	Paper plates

# GWFB123-CA3EB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	5.96
03	4.00	7.96
04	6.00	9.96
05	8.00	11.96
06	10.00	13.96
07	12.00	15.96
08	14.00	17.96
09	16.00	19.96
10	18.00	21.96
11	20.00	23.96
12	22.00	25.96
13	24.00	27.96
14	26.00	29.96
15	28.00	31.96

90° R/A Header 01

## Specifications:

Voltage Rating: 125V/AC

Current Rating: 4A

Withstanding Voltage: 1000V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~26

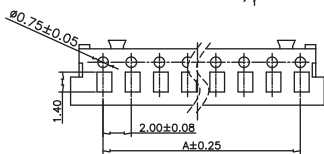
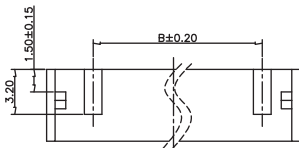
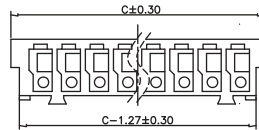
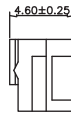
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



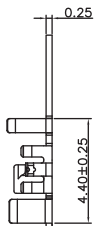
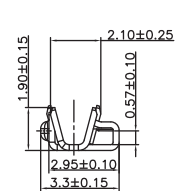
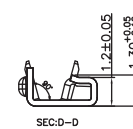
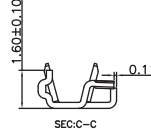
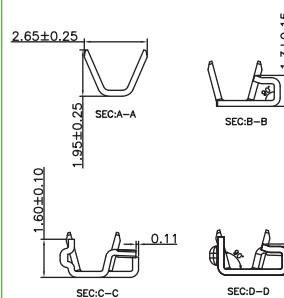
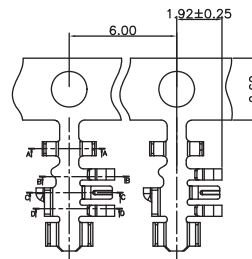
Request Quotation

## Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	6.00	6.00
03	4.00	8.00	8.00
04	6.00	10.00	10.00
05	8.00	12.00	12.00
06	10.00	14.00	14.00
07	12.00	16.00	16.00
08	14.00	18.00	18.00
09	16.00	20.00	20.00
10	18.00	22.00	22.00
11	20.00	24.00	24.00
12	22.00	26.00	26.00
13	24.00	28.00	28.00
14	26.00	30.00	30.00
15	28.00	32.00	32.00
16	30.00	34.00	34.00

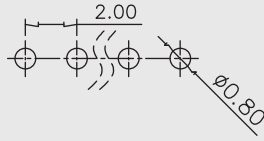
## 03 Crimp



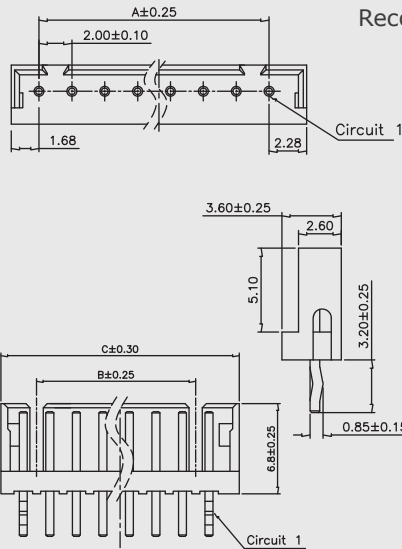
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWFB123-CA3EB	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHF5611-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF150-T1	/	Phosphor Bronze	Paper plates



# GWFA102-CA14EB



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00		5.96
03	4.00		7.96
04	6.00	4.00	9.96
05	8.00	6.00	11.96
06	10.00	8.00	13.96
07	12.00	10.00	15.96
08	14.00	12.00	17.96
09	16.00	14.00	19.96
10	18.00	16.00	21.96
11	20.00	18.00	23.96
12	22.00	20.00	25.96
13	24.00	22.00	27.96
14	26.00	24.00	29.96
15	28.00	26.00	31.96

180° S/T Header 01

## Specifications:

Voltage Rating: 125V/AC

Current Rating: 4A

Withstanding Voltage: 1000V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~26

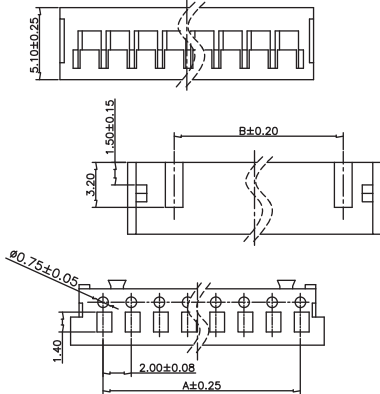
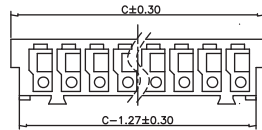
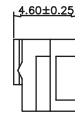
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



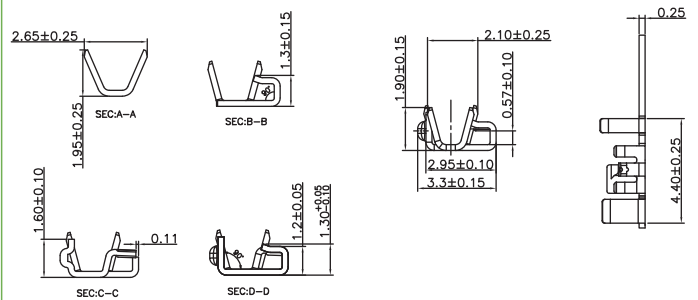
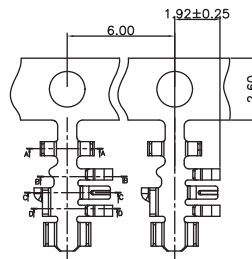
Request Quotation

Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00		6.00
03	4.00		8.00
04	6.00	4.00	10.00
05	8.00	6.00	12.00
06	10.00	8.00	14.00
07	12.00	10.00	16.00
08	14.00	12.00	18.00
09	16.00	14.00	20.00
10	18.00	16.00	22.00
11	20.00	18.00	24.00
12	22.00	20.00	26.00
13	24.00	22.00	28.00
14	26.00	24.00	30.00
15	28.00	26.00	32.00
16	30.00	28.00	34.00

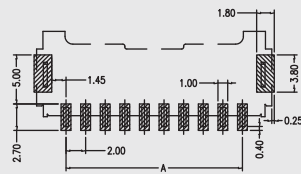
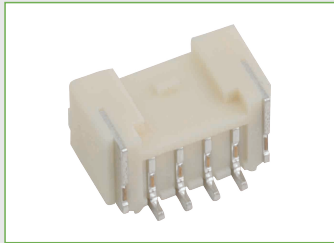
Crimp 03



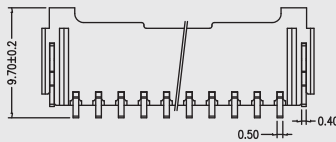
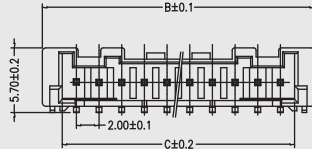
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWFA102-CA14EB	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHF5611-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF150-T1	/	Phosphor Bronze	Paper plates



# GWFD115-CA1BB



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	8.00	4.55
03	4.00	10.00	6.55
04	6.00	12.00	8.55
05	8.00	14.00	10.55
06	10.00	16.00	12.55
07	12.00	18.00	14.55
08	14.00	20.00	16.55
09	16.00	22.00	18.55
10	18.00	24.00	20.55
11	20.00	26.00	22.55
12	22.00	28.00	24.55
13	24.00	30.00	26.55
14	26.00	32.00	28.55
15	28.00	34.00	30.55

90° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 800V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #20~24

Insulator Material: UL94V-0

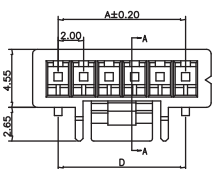
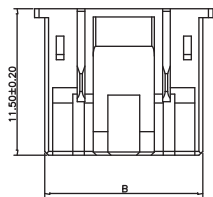
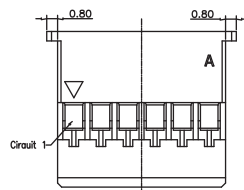
Operating Temperature: -40°C to +105°C



Request Quotation

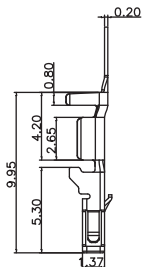
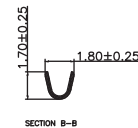
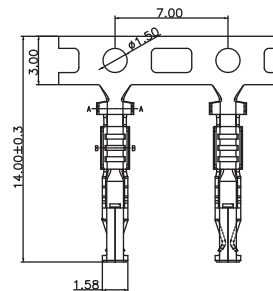


Housing 02



No. of Pins/Row	Dimension Information			
	A	B	C	D
02	2.00	4.40	3.30	
03	4.00	6.40	5.10	
04	6.00	8.40	6.80	
05	8.00	10.40	9.05	
06	10.00	12.40	11.15	10.00
07	12.00	14.40	13.15	10.00
08	14.00	16.40	15.15	10.00
09	16.00	18.40	17.15	12.00
10	18.00	20.40	19.15	17.40
11	20.00	22.40	21.15	17.40
12	22.00	24.40	23.15	17.40
13	24.00	26.40	25.15	17.40
14	26.00	28.40	27.15	17.40
15	28.00	30.40	29.15	17.40

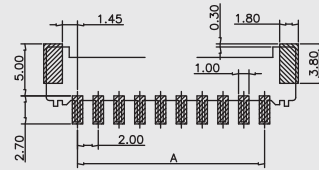
03 Crimp



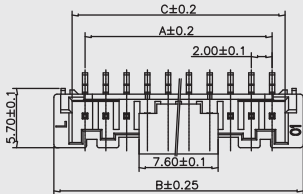
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWFD115-CA1BB	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHF621-HA	02-15	PA66	PE Bag
	03	Crimp	/	GRF174-T1	/	Phosphor Bronze	Paper plates



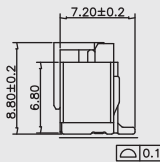
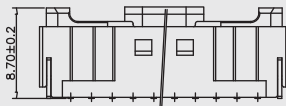
# GWFC115-CA1BB



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	8.00	4.55
03	4.00	10.00	6.55
04	6.00	12.00	8.55
05	8.00	14.00	10.55
06	10.00	16.00	12.55
07	12.00	18.00	14.55
08	14.00	20.00	16.55
09	16.00	22.00	18.55
10	18.00	24.00	20.55
11	20.00	26.00	22.55
12	22.00	28.00	24.55
13	24.00	30.00	26.55
14	26.00	32.00	28.55
15	28.00	34.00	30.55



180° SMT Header 01

## Specifications:

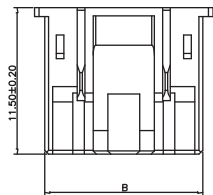
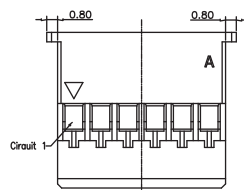
- Voltage Rating: 250V/AC
- Current Rating: 3A
- Withstanding Voltage: 800V/AC
- Contact Resistance: 20mΩ Max.
- Insulation Resistance: 1000MΩ Min.
- Wire Range: AWG #20~24
- Insulator Material: UL94V-0
- Operating Temperature: -40°C to +105°C



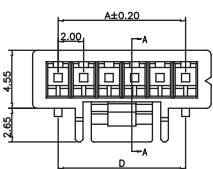
Request Quotation



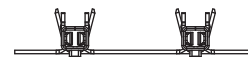
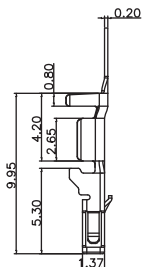
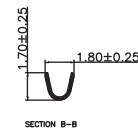
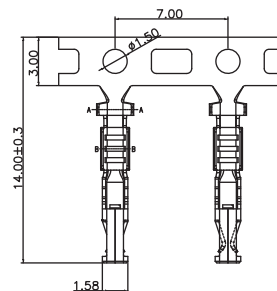
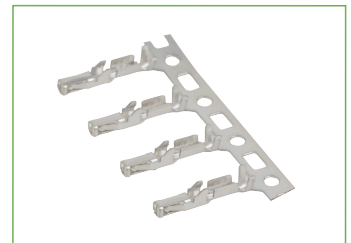
Housing 02



No. of Pins/Row	Dimension Information			
	A	B	C	D
02	2.00	4.40	3.30	
03	4.00	6.40	5.10	
04	6.00	8.40	6.80	
05	8.00	10.40	9.05	
06	10.00	12.40	11.15	10.00
07	12.00	14.40	13.15	10.00
08	14.00	16.40	15.15	10.00
09	16.00	18.40	17.15	12.00
10	18.00	20.40	19.15	17.40
11	20.00	22.40	21.15	17.40
12	22.00	24.40	23.15	17.40
13	24.00	26.40	25.15	17.40
14	26.00	28.40	27.15	17.40
15	28.00	30.40	29.15	17.40



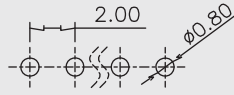
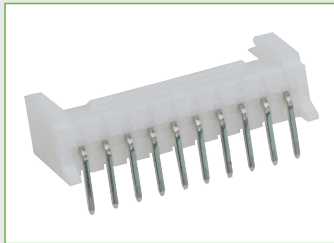
03 Crimp



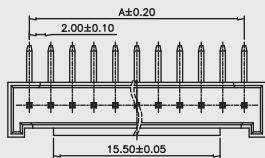
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWFC115-CA1BB	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHF621-HA	02-15	PA66	PE Bag
	03	Crimp	/	GRF174-T1	/	Phosphor Bronze	Paper plates



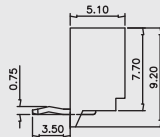
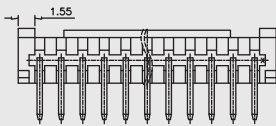
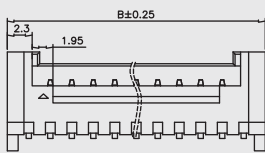
# GWFB123-CA4EB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	4.00
03	4.00	6.00
04	6.00	8.00
05	8.00	10.00
06	10.00	12.00
07	12.00	14.00
08	14.00	16.00
09	16.00	18.00
10	18.00	20.00
11	20.00	22.00
12	22.00	24.00
13	24.00	26.00
14	26.00	28.00
15	28.00	30.00
16	30.00	34.00



90° R/A Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

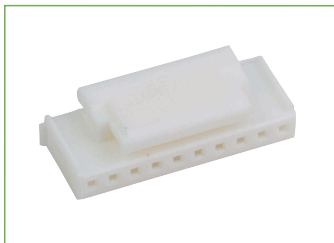
Wire Range: AWG #22~28

Insulator Material: UL94V-0

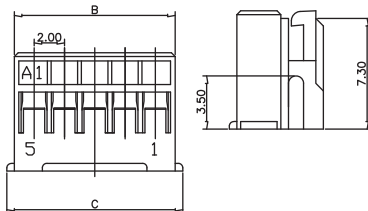
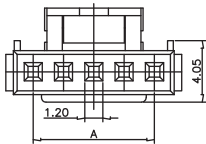
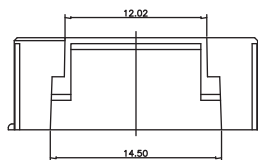
Operating Temperature: -40°C to +105°C



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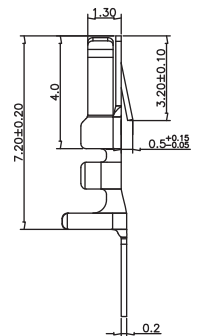
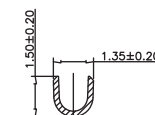
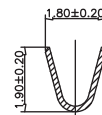
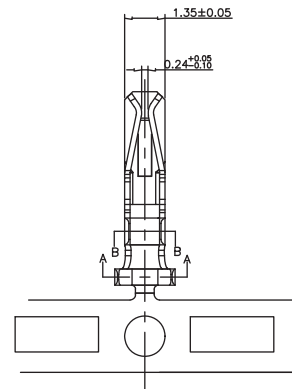
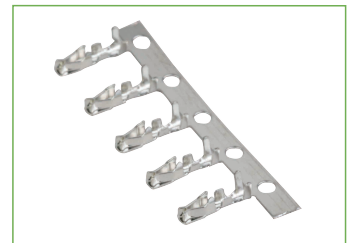


Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	4.60	5.60
03	4.00	6.60	7.60
04	6.00	8.60	9.60
05	8.00	10.60	11.60
06	10.00	12.60	13.60
07	12.00	14.60	15.60
08	14.00	16.60	17.60
09	16.00	18.60	19.60
10	18.00	20.60	21.60
11	20.00	22.60	23.60
12	22.00	24.60	25.60
13	24.00	26.60	27.60
14	26.00	28.60	29.60
15	28.00	30.60	31.60
16	30.00	32.60	33.60

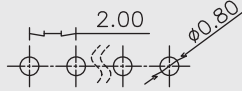
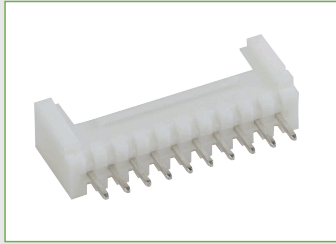
03 Crimp



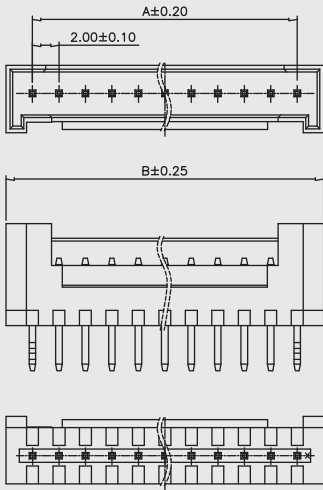
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWFB123-CA4EB	02-16	PA66	Tape&Reel
Wire side	02	Housing	/	GHF571-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF134-T1	/	Phosphor Bronze	Paper plates



► GWFA102-CA15EB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	2.00	4.00
03	4.00	6.00
04	6.00	8.00
05	8.00	10.00
06	10.00	12.00
07	12.00	14.00
08	14.00	16.00
09	16.00	18.00
10	18.00	20.00
11	20.00	22.00
12	22.00	24.00
13	24.00	26.00
14	26.00	28.00
15	28.00	30.00
16	30.00	34.00

180° S/T Header 01

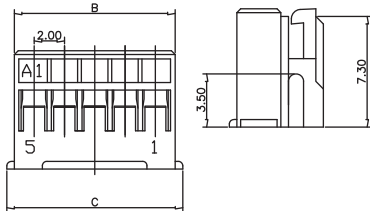
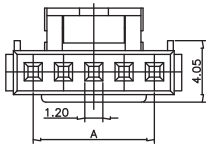
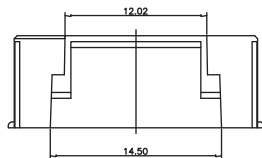
Specifications:

- Voltage Rating: 250V/AC
- Current Rating: 3A
- Withstanding Voltage: 1000V/AC
- Contact Resistance: 30mΩ Max.
- Insulation Resistance: 1000MΩ Min.
- Wire Range: AWG #22~28
- Insulator Material: UL94V-0
- Operating Temperature: -40°C to +105°C



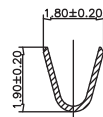
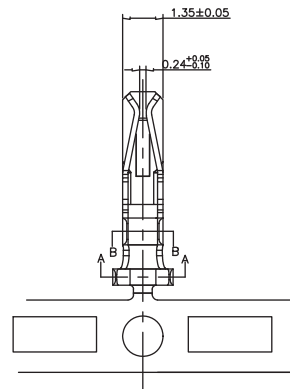
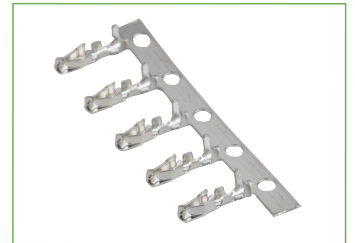
Request Quotation

Housing 02

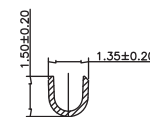


No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	4.60	5.60
03	4.00	6.60	7.60
04	6.00	8.60	9.60
05	8.00	10.60	11.60
06	10.00	12.60	13.60
07	12.00	14.60	15.60
08	14.00	16.60	17.60
09	16.00	18.60	19.60
10	18.00	20.60	21.60
11	20.00	22.60	23.60
12	22.00	24.60	25.60
13	24.00	26.60	27.60
14	26.00	28.60	29.60
15	28.00	30.60	31.60
16	30.00	32.60	33.60

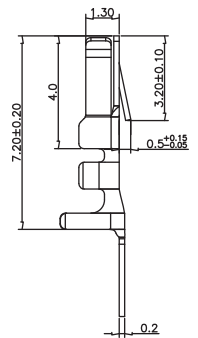
03 Crimp



SECTION:A-A



SECTION:B-B

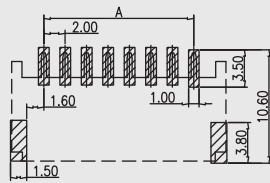
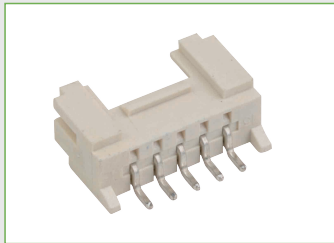


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWFA102-CA15EB	02-16	PA66	Tape&Reel
Wire side	02	Housing	/	GHF571-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF134-T1	/	Phosphor Bronze	Paper plates

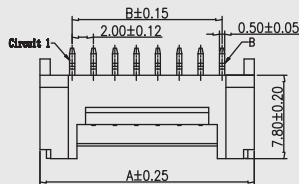




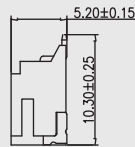
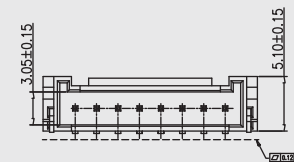
# GWFD111-CA2CB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	8.00	2.00
03	10.00	4.00
04	12.00	6.00
05	14.00	8.00
06	16.00	10.00
07	18.00	12.00
08	20.00	14.00
09	22.00	16.00
10	24.00	18.00
11	26.00	20.00
12	28.00	22.00
13	30.00	24.00
14	32.00	26.00
15	34.00	28.00
16	36.00	30.00



90° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~28

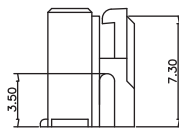
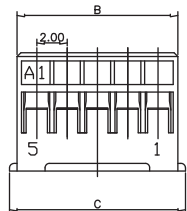
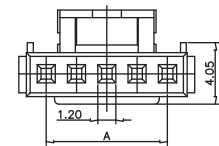
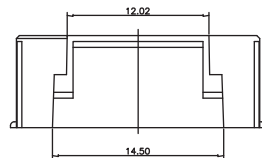
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



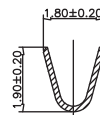
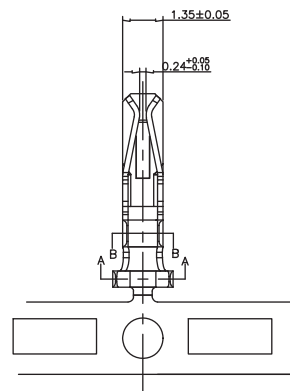
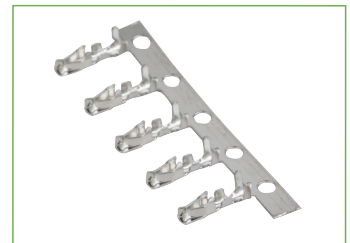
Request Quotation

Housing 02

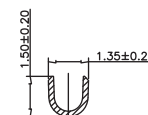


No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	4.60	5.60
03	4.00	6.60	7.60
04	6.00	8.60	9.60
05	8.00	10.60	11.60
06	10.00	12.60	13.60
07	12.00	14.60	15.60
08	14.00	16.60	17.60
09	16.00	18.60	19.60
10	18.00	20.60	21.60
11	20.00	22.60	23.60
12	22.00	24.60	25.60
13	24.00	26.60	27.60
14	26.00	28.60	29.60
15	28.00	30.60	31.60
16	30.00	32.60	33.60

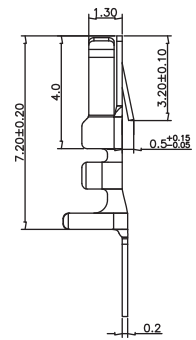
Crimp 03



SECTION:A-A



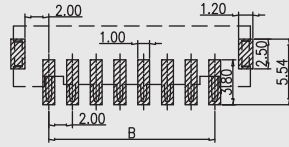
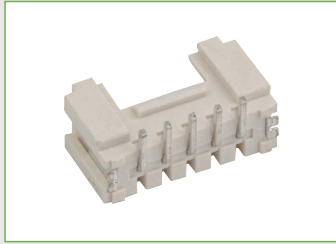
SECTION:B-B



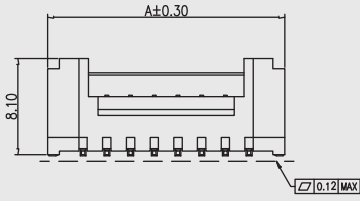
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWFD111-CA2CB	02-16	PA66	Tape&Reel
Wire side	02	Housing	/	GHF571-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF134-T1	/	Phosphor Bronze	Paper plates



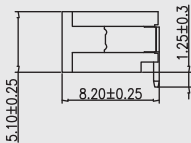
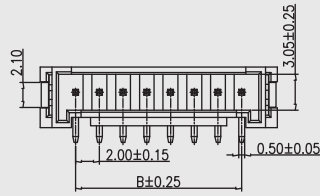
# GWFC112-CA2CB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
02	8.00	2.00
03	10.00	4.00
04	12.00	6.00
05	14.00	8.00
06	16.00	10.00
07	18.00	12.00
08	20.00	14.00
09	22.00	16.00
10	24.00	18.00
11	26.00	20.00
12	28.00	22.00
13	30.00	24.00
14	32.00	26.00
15	34.00	28.00
16	36.00	30.00



180° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~28

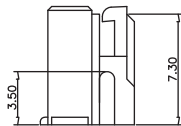
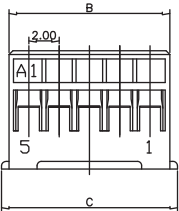
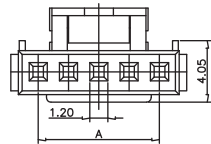
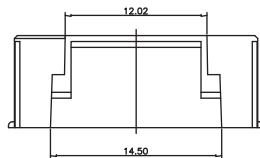
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



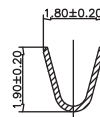
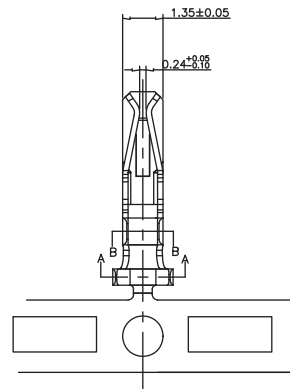
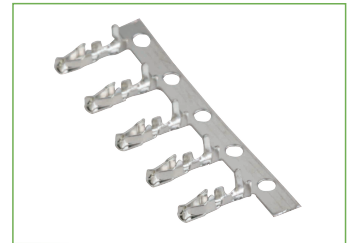
Request Quotation

Housing 02

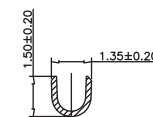


No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	4.60	5.60
03	4.00	6.60	7.60
04	6.00	8.60	9.60
05	8.00	10.60	11.60
06	10.00	12.60	13.60
07	12.00	14.60	15.60
08	14.00	16.60	17.60
09	16.00	18.60	19.60
10	18.00	20.60	21.60
11	20.00	22.60	23.60
12	22.00	24.60	25.60
13	24.00	26.60	27.60
14	26.00	28.60	29.60
15	28.00	30.60	31.60
16	30.00	32.60	33.60

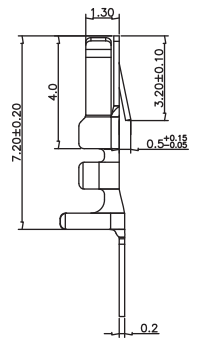
Crimp 03



SECTION:A-A



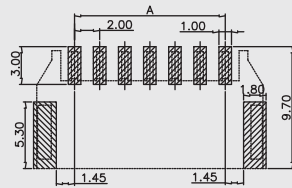
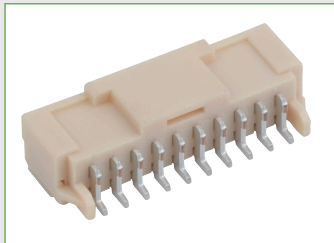
SECTION:B-B



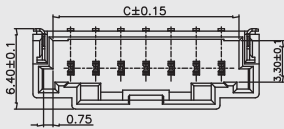
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWFC112-CA2CB	02-16	PA66	Tape&Reel
Wire side	02	Housing	/	GHF571-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRF134-T1	/	Phosphor Bronze	Paper plates



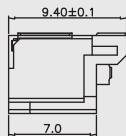
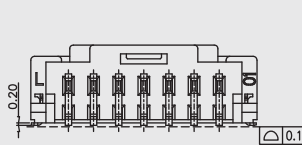
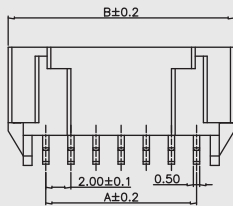
# GWFD116-CA1DA



### Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	8.00	4.80
03	4.00	10.00	6.80
04	6.00	12.00	8.80
05	8.00	14.00	10.80
06	10.00	16.00	12.80
07	12.00	18.00	14.80
08	14.00	20.00	16.80
09	16.00	22.00	18.80
10	18.00	24.00	20.80
11	20.00	26.00	22.80
12	22.00	28.00	24.80
13	24.00	30.00	26.80
14	26.00	32.00	28.80
15	28.00	34.00	30.80



90° SMT Header 01

## Specifications:

Voltage Rating: 125V/AC

Current Rating: 3A

Withstanding Voltage: 500V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

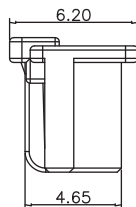
Wire Range: AWG #22~26

Insulator Material: UL94V-0

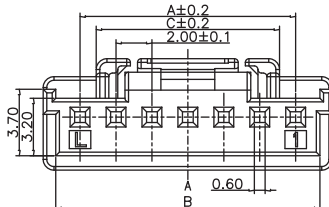
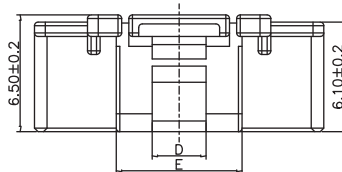
Operating Temperature: -40°C to +105°C



Request Quotation

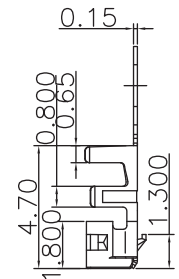
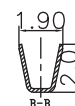
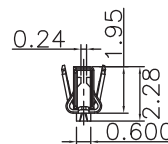
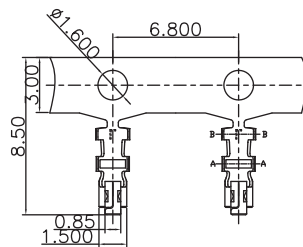
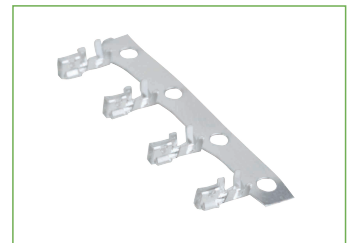


Housing 02



No. of Pins/Row	Dimension Information				
	A	B	C	D	E
02	2.00	4.70	8.00	2.00	4.70
03	4.00	6.70	8.10	2.20	4.90
04	6.00	8.70	10.10		6.90
05	8.00	10.70			
06	10.00	12.70			
07	12.00	14.70			
08	14.00	16.70			
09	16.00	18.70			
10	18.00	20.70	10.20	3.00	7.00
11	20.00	22.70			
12	22.00	24.70			
13	24.00	26.70			
14	26.00	28.70			
15	28.00	30.70			

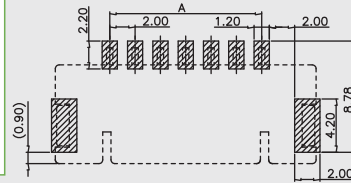
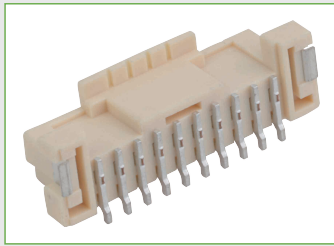
03 Crimp



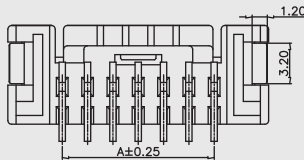
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWFD116-CA1DA	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHF041-HA	02-15	PA66	PE Bag
	03	Crimp	/	GRF177-T1	/	Phosphor Bronze	Paper plates



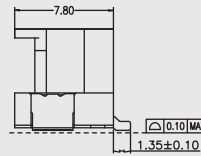
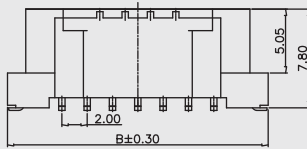
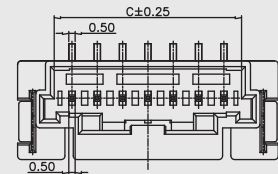
► GWFC116-CA1DA



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	10.90	4.80
03	4.00	12.60	6.80
04	6.00	14.60	8.80
05	8.00	16.60	10.80
06	10.00	18.60	12.80
07	12.00	20.60	14.80
08	14.00	22.60	16.80
09	16.00	24.60	18.80
10	18.00	26.60	20.80
11	20.00	28.60	22.80
12	22.00	30.60	24.80
13	24.00	32.60	26.80
14	26.00	34.60	28.80
15	28.00	36.60	30.80



180° SMT Header 01

Specifications:

Voltage Rating: 125V/AC

Current Rating: 3A

Withstanding Voltage: 500V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

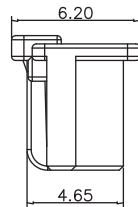
Wire Range: AWG #22~26

Insulator Material: UL94V-0

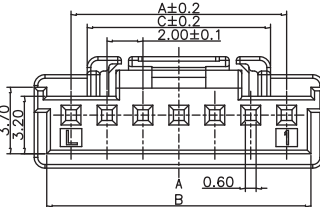
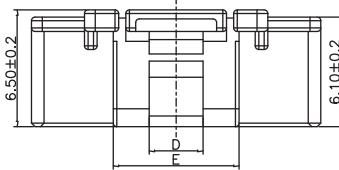
Operating Temperature: -40°C to +105°C



Request Quotation

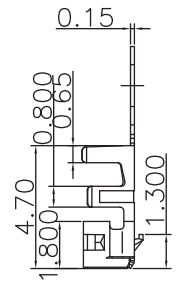
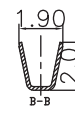
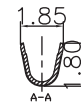
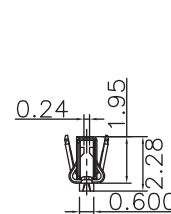
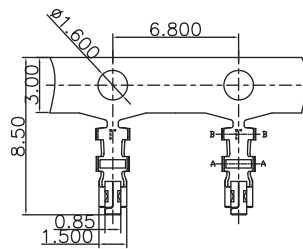
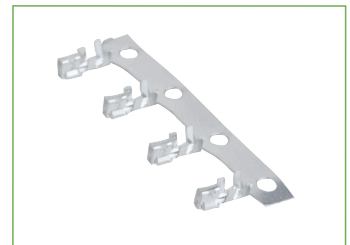


Housing 02



No. of Pins/Row	Dimension Information				
	A	B	C	D	E
02	2.00	4.70	8.00	2.00	4.70
03	4.00	6.70	8.10	2.20	4.90
04	6.00	8.70	10.10		6.90
05	8.00	10.70			
06	10.00	12.70			
07	12.00	14.70			
08	14.00	16.70			
09	16.00	18.70			
10	18.00	20.70	10.20	3.00	7.00
11	20.00	22.70			
12	22.00	24.70			
13	24.00	26.70			
14	26.00	28.70			
15	28.00	30.70			

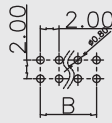
03 Crimp



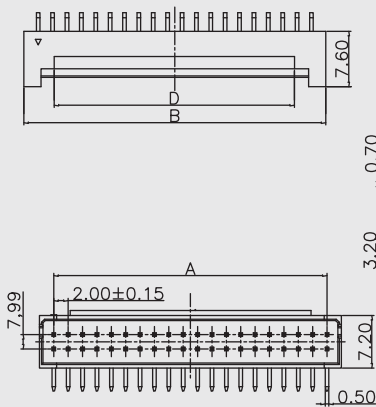
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWFC116-CA1DA	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHF041-HA	02-15	PA66	PE Bag
	03	Crimp	/	GRF177-T1	/	Phosphor Bronze	Paper plates



# GWFB212-CA1FB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00
16	30.00	34.00
17	32.00	36.00
18	34.00	38.00
19	36.00	40.00
20	38.00	42.00
21	40.00	44.00
22	42.00	46.00

90° R/A Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~28

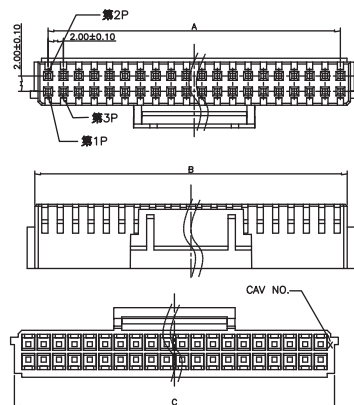
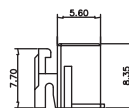
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



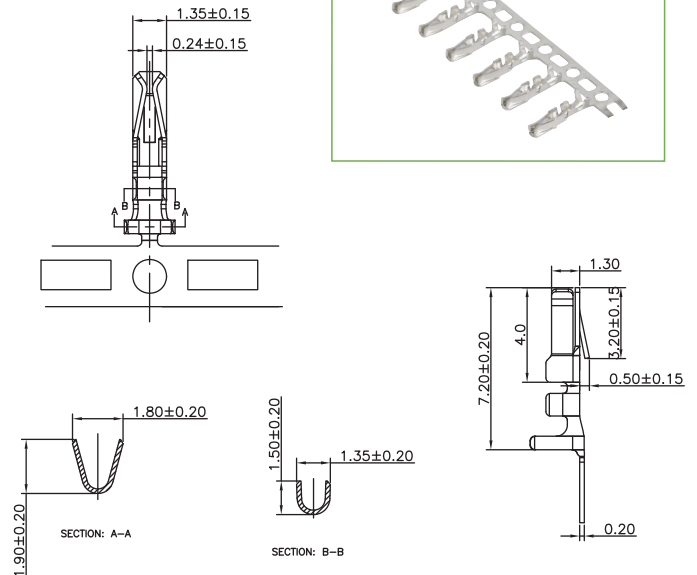
Request Quotation

Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	4.60	5.60
03	4.00	6.60	7.60
04	6.00	8.60	9.60
05	8.00	10.60	11.60
06	10.00	12.60	13.60
07	12.00	14.60	15.60
08	14.00	16.60	17.60
09	16.00	18.60	19.60
10	18.00	20.60	21.60
11	20.00	22.60	23.60
12	22.00	24.60	25.60
13	24.00	26.60	27.60
14	26.00	28.60	29.60
15	28.00	30.60	31.60
16	30.00	32.60	33.60
17	32.00	34.60	35.60
18	34.00	36.60	37.60
19	36.00	38.60	39.60
20	38.00	40.60	41.60

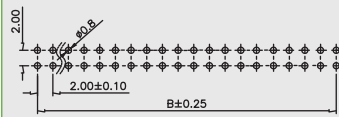
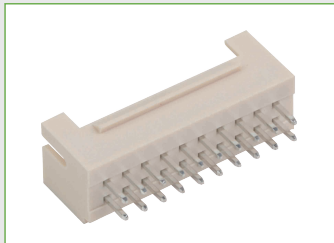
Crimp 03



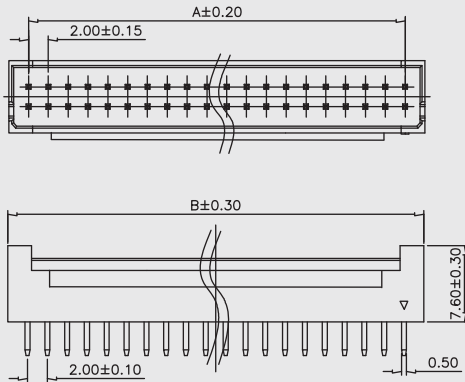
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWFB212-CA1FB	04-22	PA46	Tape&Reel
Wire side	02	Housing	/	GWF142-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRF146-T1	/	Phosphor Bronze	Paper plates



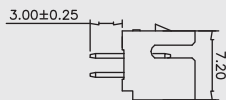
# GWFA213-CA1FB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00
16	30.00	34.00
17	32.00	36.00
18	34.00	38.00
19	36.00	40.00
20	38.00	42.00
21	40.00	44.00
22	42.00	46.00



180° S/T Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

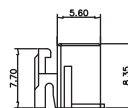
Wire Range: AWG #22~28

Insulator Material: UL94V-0

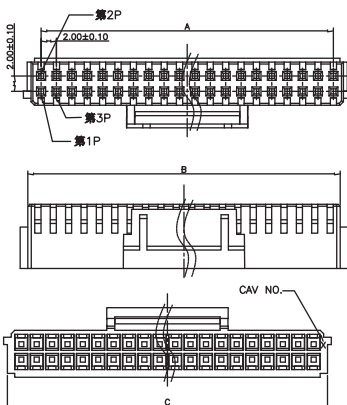
Operating Temperature: -40°C to +105°C



Request Quotation

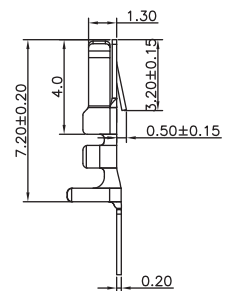
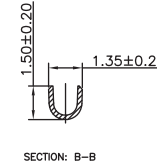
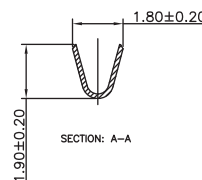
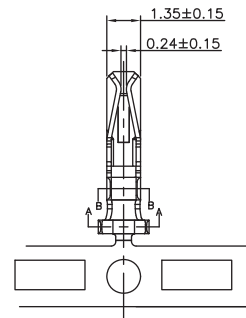


Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	4.60	5.60
03	4.00	6.60	7.60
04	6.00	8.60	9.60
05	8.00	10.60	11.60
06	10.00	12.60	13.60
07	12.00	14.60	15.60
08	14.00	16.60	17.60
09	16.00	18.60	19.60
10	18.00	20.60	21.60
11	20.00	22.60	23.60
12	22.00	24.60	25.60
13	24.00	26.60	27.60
14	26.00	28.60	29.60
15	28.00	30.60	31.60
16	30.00	32.60	33.60
17	32.00	34.60	35.60
18	34.00	36.60	37.60
19	36.00	38.60	39.60
20	38.00	40.60	41.60

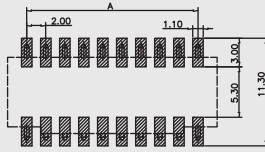
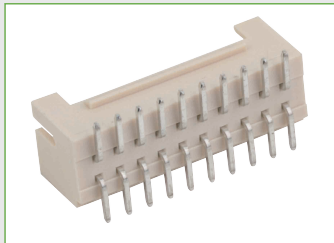
03 Crimp



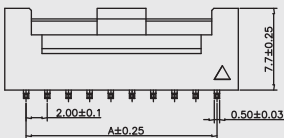
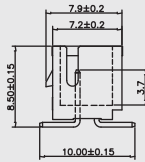
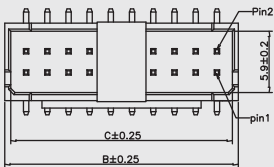
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWFA213-CA1FB	04-22	PA46	Tape&Reel
Wire side	02	Housing	/	GWF142-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRF146-T1	/	Phosphor Bronze	Paper plates



# GWFC202-CA1FZ



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	6.00	4.90
03	4.00	8.00	6.90
04	6.00	10.00	8.90
05	8.00	12.00	10.90
06	10.00	14.00	12.90
07	12.00	16.00	14.90
08	14.00	18.00	16.90
09	16.00	20.00	18.90
10	18.00	22.00	20.90
11	20.00	24.00	22.90
12	22.00	26.00	24.90
13	24.00	28.00	26.90
14	26.00	30.00	28.90
15	28.00	32.00	30.90
16	30.00	34.00	32.90
17	32.00	36.00	34.90
18	34.00	38.00	36.90
19	36.00	40.00	38.90
20	38.00	42.00	40.90
30	58.00	62.00	60.90

180° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

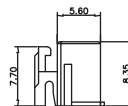
Wire Range: AWG #22~28

Insulator Material: UL94V-0

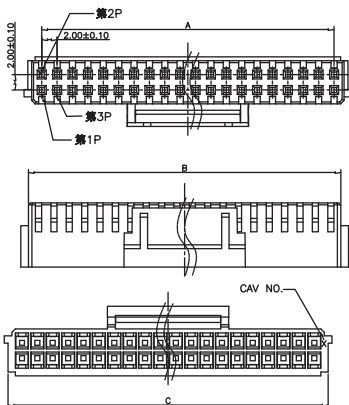
Operating Temperature: -40°C to +105°C



Request Quotation

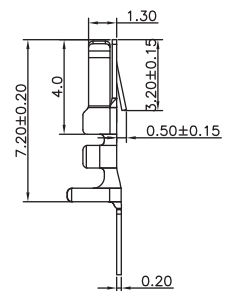
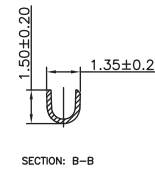
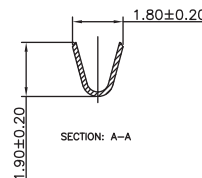
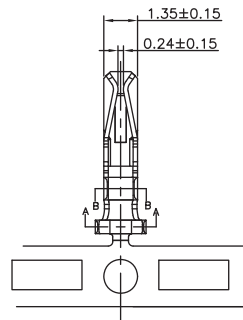


Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	4.60	5.60
03	4.00	6.60	7.60
04	6.00	8.60	9.60
05	8.00	10.60	11.60
06	10.00	12.60	13.60
07	12.00	14.60	15.60
08	14.00	16.60	17.60
09	16.00	18.60	19.60
10	18.00	20.60	21.60
11	20.00	22.60	23.60
12	22.00	24.60	25.60
13	24.00	26.60	27.60
14	26.00	28.60	29.60
15	28.00	30.60	31.60
16	30.00	32.60	33.60
17	32.00	34.60	35.60
18	34.00	36.60	37.60
19	36.00	38.60	39.60
20	38.00	40.60	41.60

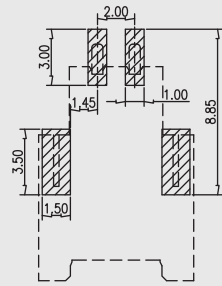
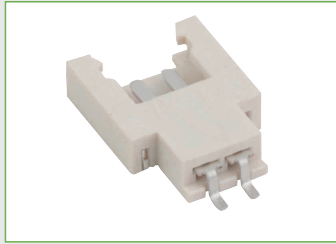
03 Crimp



Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWFC202-CA1FZ	02-20、30	PA46	Tape&Reel
Wire side	02	Housing	/	GWF142-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRF146-T1	/	Phosphor Bronze	Paper plates



# GWFD112-CA1CB



Recommended PCB Layout

## Specifications:

Voltage Rating: 125V/AC

Current Rating: 2A

Withstanding Voltage: 500V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

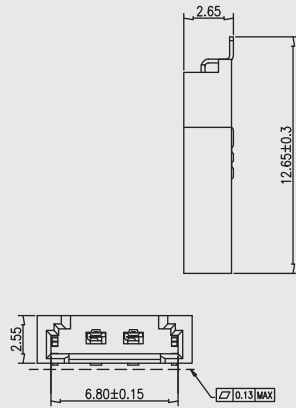
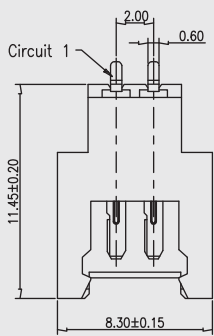
Wire Range: AWG #24~28

Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C

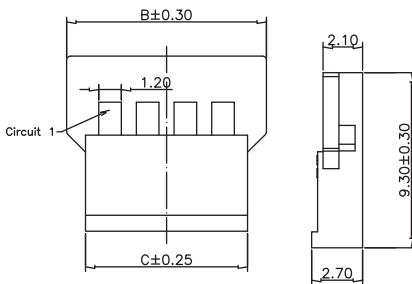
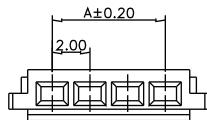


Request Quotation



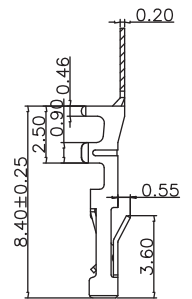
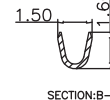
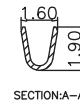
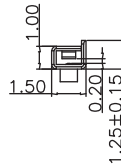
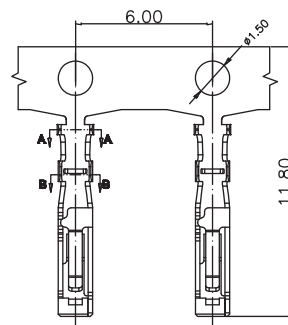
90° SMT Header 01

Housing 02



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.00	6.70	4.60
03	4.00	8.70	6.60
04	6.00	10.70	8.60
05	8.00	12.70	10.60
06	10.00	14.70	12.60
07	12.00	16.70	14.60
08	14.00	18.70	16.60
09	16.00	20.70	18.60
10	18.00	22.70	20.60
11	20.00	24.70	22.60
12	22.00	26.70	24.60
13	24.00	28.70	26.60
14	26.00	30.70	28.60
15	28.00	32.70	30.60
16	30.00	34.70	32.60
17	32.00	36.70	34.60
18	34.00	38.70	36.60
19	36.00	40.70	38.60
20	38.00	42.70	40.60

Crimp 03

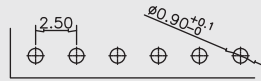
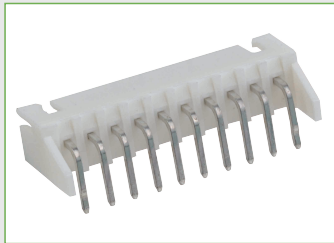


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWFD112-CA1CB	02	PA9T	Tape&Reel
Wire side	02	Housing	/	GHH261-HA	02-20	PA66	PE Bag
	03	Crimp	/	GRF149-T1	/	Phosphor Bronze	Paper plates

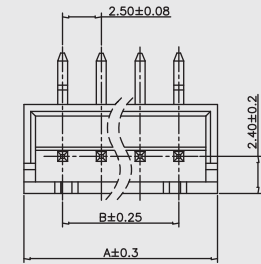




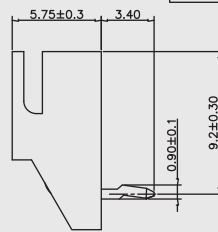
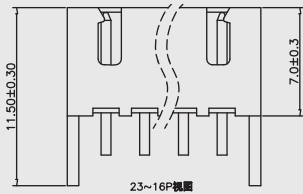
# GWGB102-CA805EZ



Recommended PCB Layout



No. of Pins/Row	Dimension B	Dimension A
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50



90° R/A Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~28

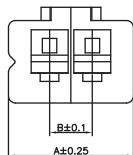
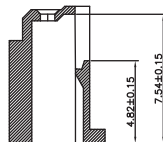
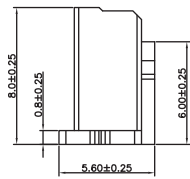
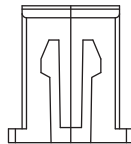
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



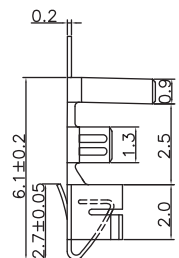
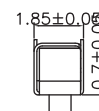
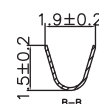
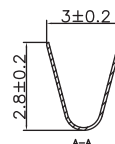
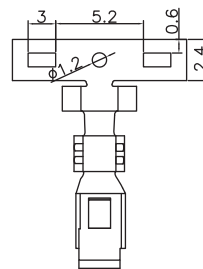
Request Quotation

## Housing 02



No. of Pins/Row	Dimension A	Dimension B
02	7.30	2.50
03	9.80	5.00
04	12.30	7.50
05	14.80	10.00
06	17.30	12.50
07	19.80	15.00
08	22.30	17.50
09	24.80	20.00
10	27.30	22.50
11	29.80	25.00
12	32.30	27.50
13	34.80	30.00
14	37.30	32.50
15	39.80	35.00
16	42.30	37.50

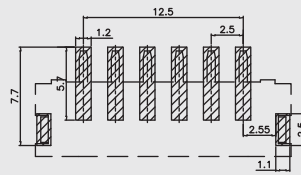
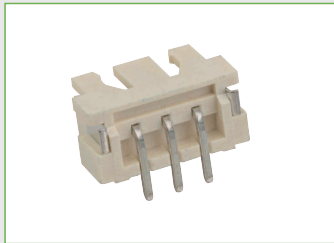
## Crimp 03



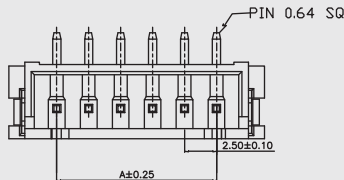
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWGB102-CA805EZ	02-16	PA66	Tape&Reel
Wire side	02	Housing	/	GFG041-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRG115-T1	/	Phosphor Bronze	Paper plates



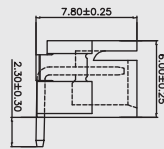
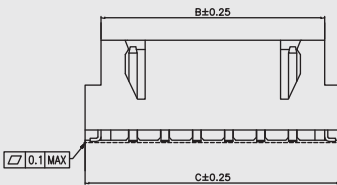
# GWGC103-CA1CZ



Recommended PCB Layout



No. of Pins/Row	Dimensions Information		
	A	B	C
02	2.50	7.50	10.00
03	5.00	10.00	12.50
04	7.50	12.50	15.00
05	10.00	15.00	17.50
06	12.50	17.50	20.00
07	15.00	20.00	22.50
08	17.50	22.50	25.00
09	20.00	25.00	27.50
10	22.50	27.50	30.00
11	25.00	30.00	32.50
12	27.50	32.50	35.00
13	30.00	35.00	37.50
14	32.50	37.50	40.00
15	35.00	40.00	42.50
16	37.50	42.50	45.00



180° SMT HEADER 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 800V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

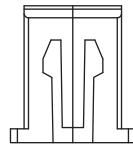
Wire Range: AWG #22~28

Insulator Material: UL94V-0

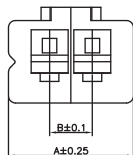
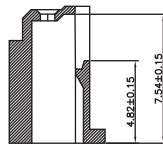
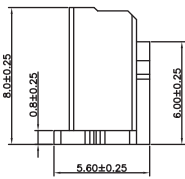
Operating Temperature: -40°C to +105°C



Request Quotation

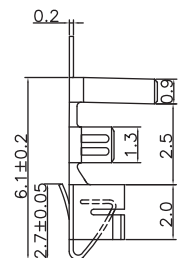
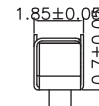
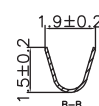
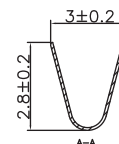
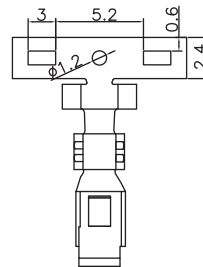


Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	7.30	2.50
03	9.80	5.00
04	12.30	7.50
05	14.80	10.00
06	17.30	12.50
07	19.80	15.00
08	22.30	17.50
09	24.80	20.00
10	27.30	22.50
11	29.80	25.00
12	32.30	27.50
13	34.80	30.00
14	37.30	32.50
15	39.80	35.00
16	42.30	37.50

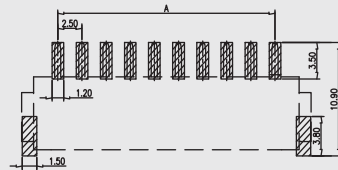
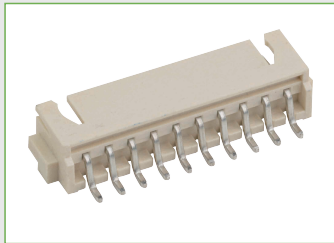
03 Crimp



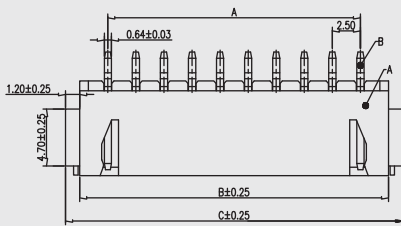
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWGC103-CA1CZ	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GFG041-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRG115-T1	/	Phosphor Bronze	Paper plates



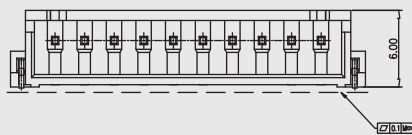
# GWGD105-CA1CZ



Recommended PCB Layout



No. of Pins/Row	Dimensions Information		
	A	B	C
02	2.50	7.50	10.00
03	5.00	10.00	12.50
04	7.50	12.50	15.00
05	10.00	15.00	17.50
06	12.50	17.50	20.00
07	15.00	20.00	22.50
08	17.50	22.50	25.00
09	20.00	25.00	27.50
10	22.50	27.50	30.00
11	25.00	30.00	32.50
12	27.50	32.50	35.00
13	30.00	35.00	37.50
14	32.50	37.50	40.00
15	35.00	40.00	42.50
16	37.50	42.50	45.00



90° SMT HEADER 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 800V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~28

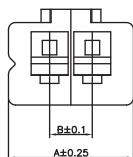
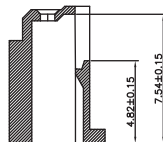
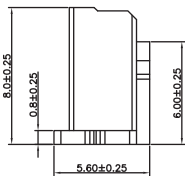
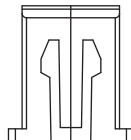
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



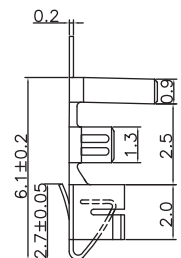
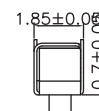
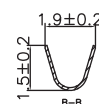
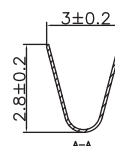
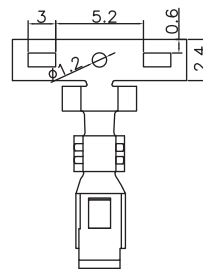
Request Quotation

## Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	7.30	2.50
03	9.80	5.00
04	12.30	7.50
05	14.80	10.00
06	17.30	12.50
07	19.80	15.00
08	22.30	17.50
09	24.80	20.00
10	27.30	22.50
11	29.80	25.00
12	32.30	27.50
13	34.80	30.00
14	37.30	32.50
15	39.80	35.00
16	42.30	37.50

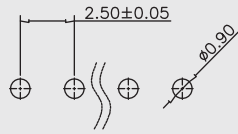
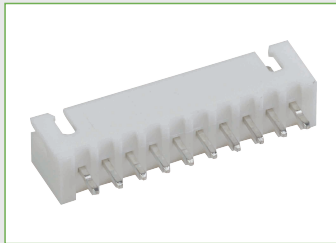
## 03 Crimp



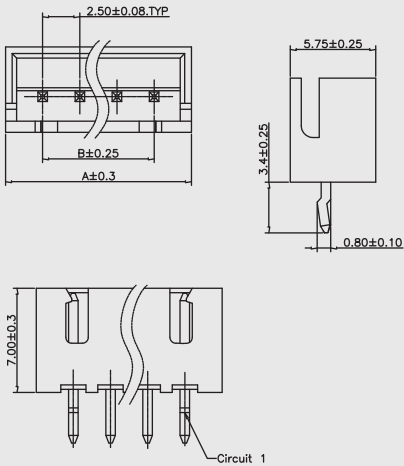
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWGD105-CA1CZ	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GFG041-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRG115-T1	/	Phosphor Bronze	Paper plates



► GWGA114-CA802EZ



Recommended PCB Layout



No. of Pins/Row	Dimensions Information	
	B	A
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00

180° S/T HEADER 01

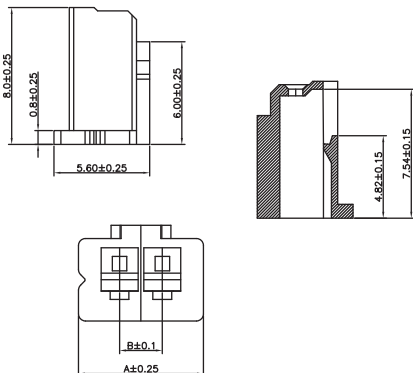
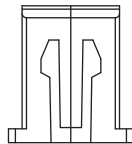
Specifications:

- Voltage Rating: 250V/AC
- Current Rating: 3A
- Withstanding Voltage: 800V/AC
- Contact Resistance: 10mΩ Max.
- Insulation Resistance: 1000MΩ Min.
- Wire Range: AWG #22~28
- Insulator Material: UL94V-0
- Operating Temperature: -40°C to +105°C



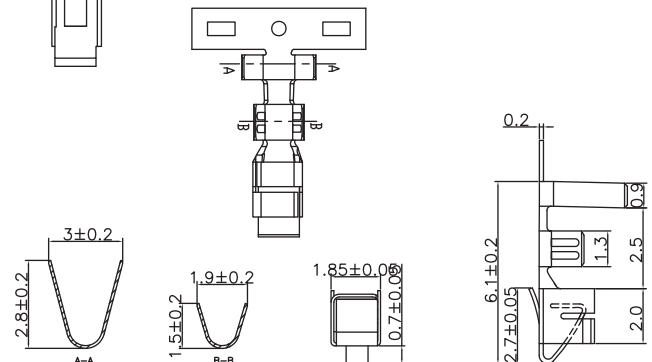
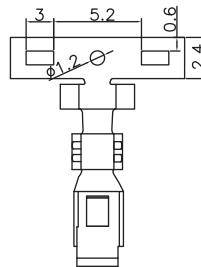
Request Quotation

Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	7.30	2.50
03	9.80	5.00
04	12.30	7.50
05	14.80	10.00
06	17.30	12.50
07	19.80	15.00
08	22.30	17.50
09	24.80	20.00
10	27.30	22.50
11	29.80	25.00
12	32.30	27.50
13	34.80	30.00
14	37.30	32.50
15	39.80	35.00
16	42.30	37.50

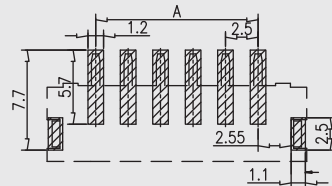
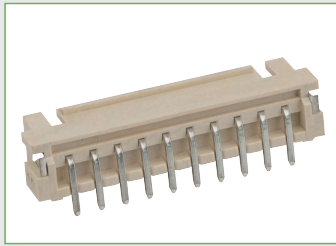
Crimp 03



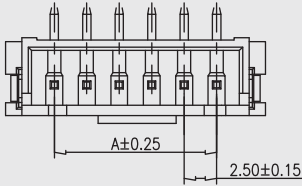
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWGA114-CA802EZ	02-17	PA66	Tape&Reel
Wire side	02	Housing	/	GFG041-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRG115-T1	/	Phosphor Bronze	Paper plates



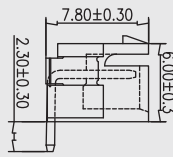
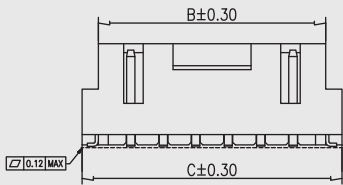
► GWGC104-CA2CB



Recommended PCB Layout



No. of Pins/Row	Dimensions Information		
	A	B	C
02	2.50	7.50	10.00
03	5.00	10.00	12.50
04	7.50	12.50	15.00
05	10.00	15.00	17.50
06	12.50	17.50	20.00
07	15.00	20.00	22.50
08	17.50	22.50	25.00
09	20.00	25.00	27.50
10	22.50	27.50	30.00
11	25.00	30.00	32.50
12	27.50	32.50	35.00
13	30.00	35.00	37.50
14	32.50	37.50	40.00
15	35.00	40.00	42.50
16	37.50	42.50	45.00



180° SMT HEADER 01

Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 800V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~28

Insulator Material: UL94V-0

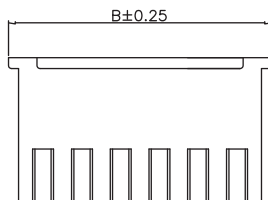
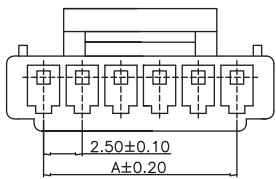
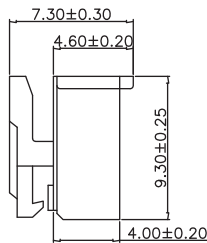
Operating Temperature: -40°C to +105°C



Request Quotation

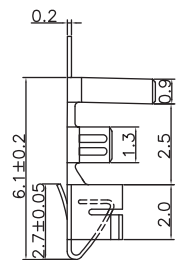
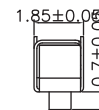
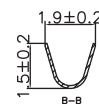
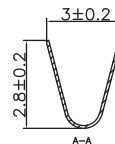
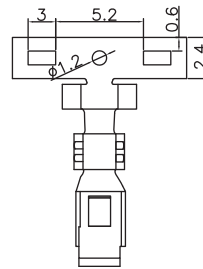


Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	2.50	6.80
03	5.00	9.30
04	7.50	11.80
05	10.00	14.30
06	12.50	16.80
07	15.00	19.30
08	17.50	21.80
09	20.00	24.30
10	22.50	26.80
11	25.00	29.30
12	27.50	31.80
20	47.50	59.30

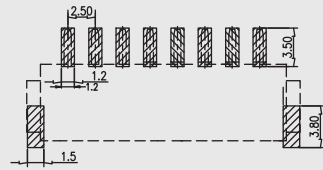
03 Crimp



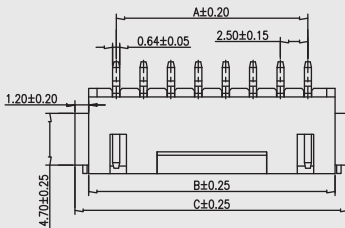
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWGC104-CA2CB	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GHG421-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRG115-T1	/	Phosphor Bronze	Paper plates



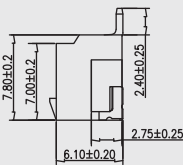
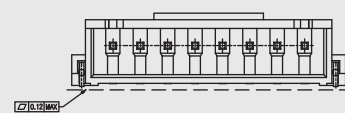
► GWGD105-CA2CB



Recommended PCB Layout



No. of Pins/Row	Dimensions Information		
	A	B	C
02	2.50	7.50	10.00
03	5.00	10.00	12.50
04	7.50	12.50	15.00
05	10.00	15.00	17.50
06	12.50	17.50	20.00
07	15.00	20.00	22.50
08	17.50	22.50	25.00
09	20.00	25.00	27.50
10	22.50	27.50	30.00
11	25.00	30.00	32.50
12	27.50	32.50	35.00
13	30.00	35.00	37.50
14	32.50	37.50	40.00
15	35.00	40.00	42.50
16	37.50	42.50	45.00



90° SMT HEADER 01

Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 800V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~28

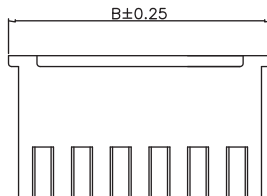
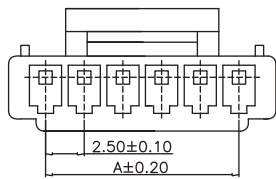
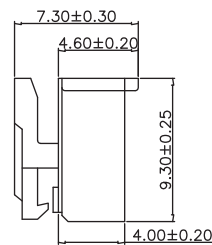
Insulator Material: UL94V-0

Operating Temperature: -40°C to +105°C



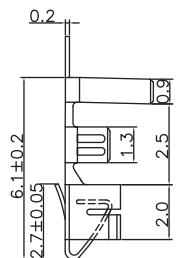
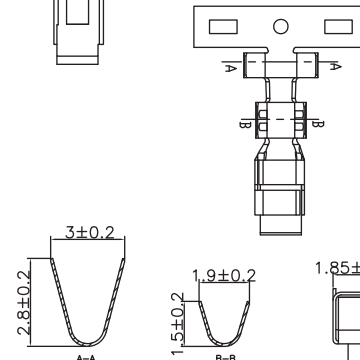
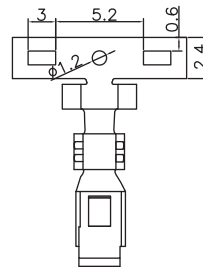
Request Quotation

Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	2.50	6.80
03	5.00	9.30
04	7.50	11.80
05	10.00	14.30
06	12.50	16.80
07	15.00	19.30
08	17.50	21.80
09	20.00	24.30
10	22.50	26.80
11	25.00	29.30
12	27.50	31.80
20	47.50	59.30

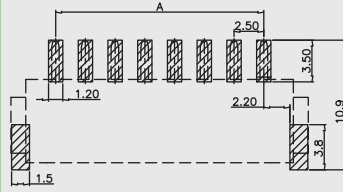
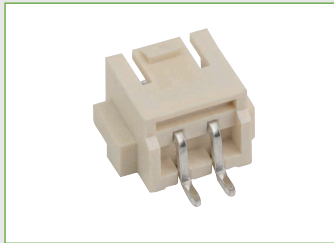
Crimp 03



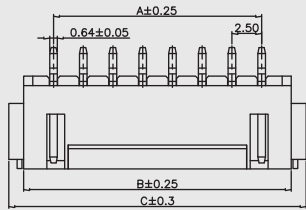
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWGD105-CA2CB	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GHG421-HA	02-16	PA66	PE Bag
	03	Crimp	/	GRG115-T1	/	Phosphor Bronze	Paper plates



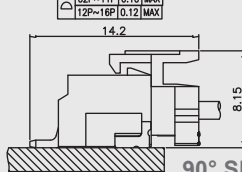
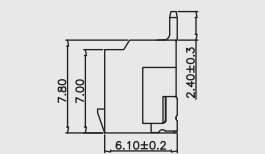
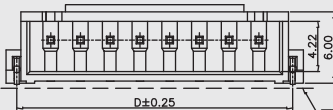
# GWGD106-CA1CB



Recommended PCB Layout



No. of Pins/Row	Dimension Information			
	A	B	C	D
02	2.50	7.50	10.00	8.20
03	5.00	10.00	12.50	10.70
04	7.50	12.50	15.00	13.20
05	10.00	15.00	17.50	15.70
06	12.50	17.50	20.00	18.20
07	15.00	20.00	22.50	20.70
08	17.50	22.50	25.00	23.20
09	20.00	25.00	27.50	25.70
10	22.50	27.50	30.00	28.20
11	25.00	30.00	32.50	30.70
12	27.50	32.50	35.00	33.20
13	30.00	35.00	37.50	35.70
14	32.50	37.50	40.00	38.20
15	35.00	40.00	42.50	40.70
16	37.50	42.50	45.00	43.20



90° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~28

Insulator Material: UL94V-0

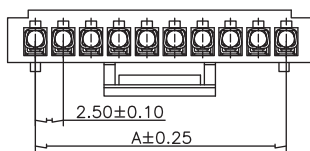
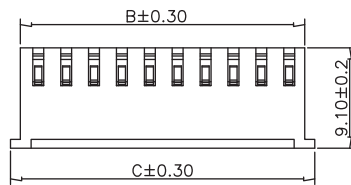
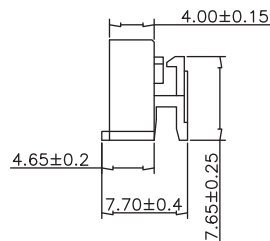
Operating Temperature: -25°C to +105°C



Request Quotation

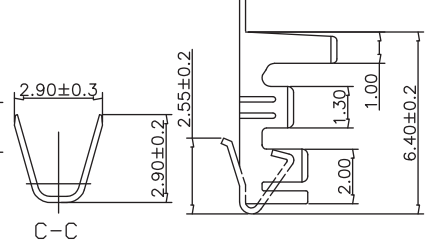
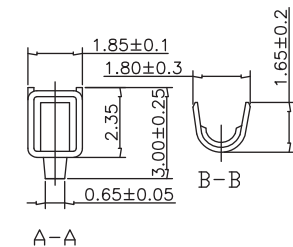
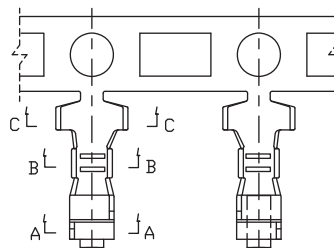


## Housing 02



No. of Pins/Row	Dimensions Information		
	A	B	C
02	2.50	5.75	7.25
03	5.00	8.25	9.75
04	7.50	10.75	12.25
05	10.00	13.25	14.75
06	12.50	15.75	17.25
07	15.00	18.25	19.75
08	17.50	20.75	22.25
09	20.00	23.25	24.75
10	22.50	25.75	27.25
11	25.00	28.25	29.75
12	27.50	30.75	32.25

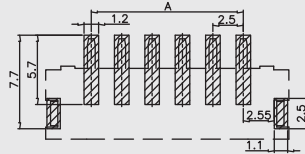
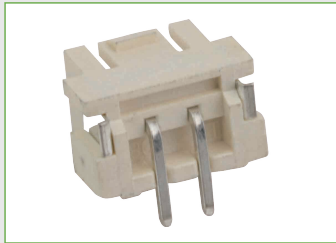
## 03 Crimp



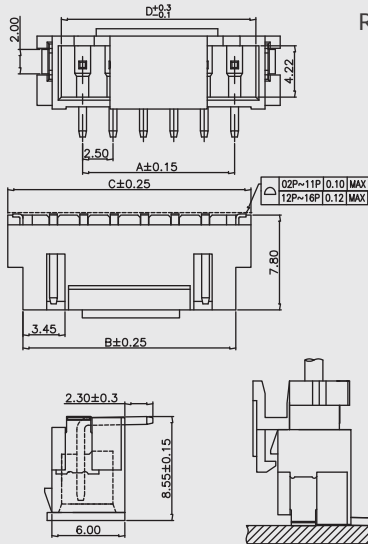
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWGD106-CA1CB	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GHG411-HA	02-12	PA66	PE Bag
	03	Crimp	/	GRG132-T1	/	Phosphor Bronze	Paper plates



# GWGC105-CA1CB



Recommended PCB Layout



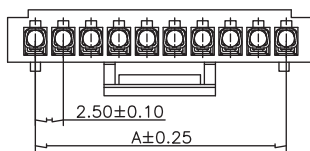
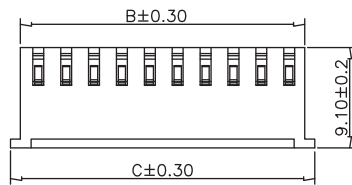
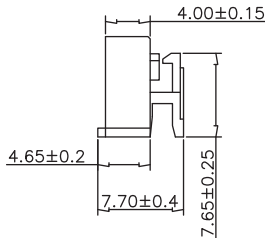
Assembly Layout 180° SMT Header 01

No. of Pins/Row	Dimension Information			
	A	B	C	D
02	2.50	7.50	10.00	6.00
03	5.00	10.00	12.50	8.50
04	7.50	12.50	15.00	11.00
05	10.00	15.00	17.50	13.50
06	12.50	17.50	20.00	16.00
07	15.00	20.00	22.50	18.50
08	17.50	22.50	25.00	21.00
09	20.00	25.00	27.50	23.50
10	22.50	27.50	30.00	26.00
11	25.00	30.00	32.50	28.50
12	27.50	32.50	35.00	31.00
13	30.00	35.00	37.50	33.50
14	32.50	37.50	40.00	36.00
15	35.00	40.00	42.50	38.50
16	37.50	42.50	45.00	41.00



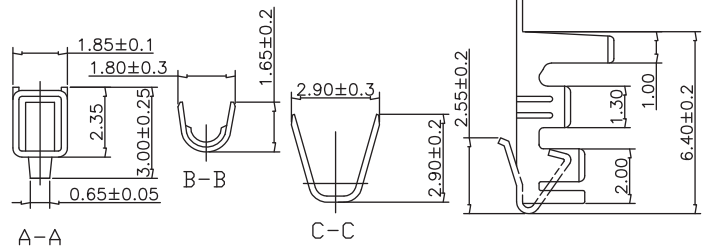
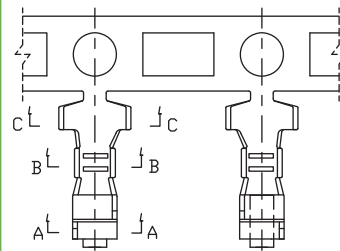
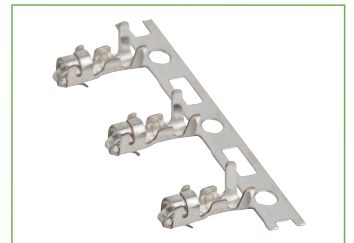
Request Quotation

## Housing 02



No. of Pins/Row	Dimensions Information		
	A	B	C
02	2.50	5.75	7.25
03	5.00	8.25	9.75
04	7.50	10.75	12.25
05	10.00	13.25	14.75
06	12.50	15.75	17.25
07	15.00	18.25	19.75
08	17.50	20.75	22.25
09	20.00	23.25	24.75
10	22.50	25.75	27.25
11	25.00	28.25	29.75
12	27.50	30.75	32.25

## 03 Crimp

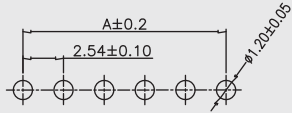
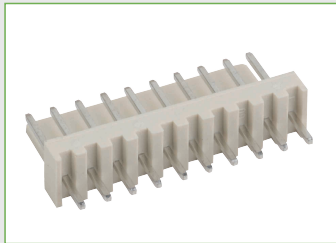


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWGC105-CA1CB	02-16	PA9T	Tape&Reel
Wire side	02	Housing	/	GHG411-HA	02-12	PA66	PE Bag
	03	Crimp	/	GRG132-T1	/	Phosphor Bronze	Paper plates

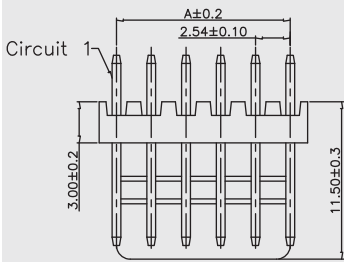




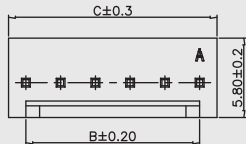
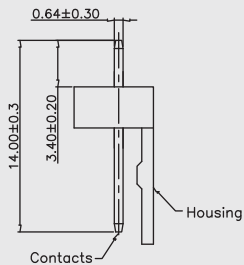
► GWhA103-CA21EB



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.54	2.54	5.08
03	5.08	5.08	7.62
04	7.62	7.62	10.16
05	10.16	10.16	12.70
06	12.70	12.70	15.24
07	15.24	15.24	17.78
08	17.78	17.78	20.32
09	20.32	20.32	22.86
10	22.86	22.86	25.40
11	25.40	25.40	27.94
12	27.94	27.94	30.48
13	30.48	30.48	33.02
14	33.02	33.02	35.56
15	35.56	35.56	38.10



180° S/T Header 01

Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

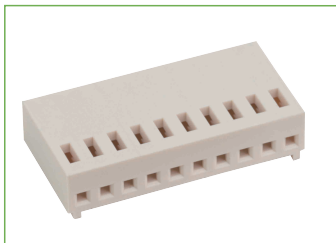
Wire Range: AWG #22~30

Insulator Material: UL94V-0

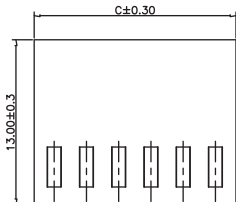
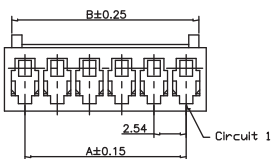
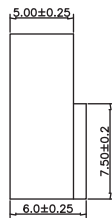
Operating Temperature: -25°C to +85°C



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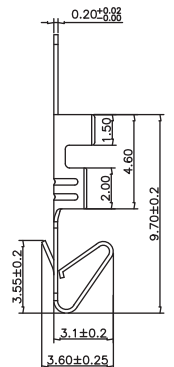
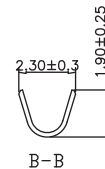
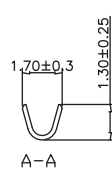
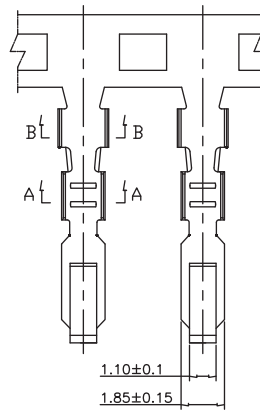
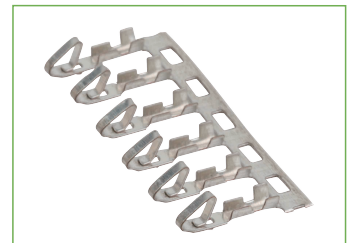


Housing 02



No. of Pins/Row	Dimensions Information		
	A	B	C
02	2.54	4.58	5.74
03	5.08	7.12	8.28
04	7.62	9.66	10.28
05	10.16	12.20	13.36
06	12.70	14.74	15.90
07	15.24	17.28	18.44
08	17.78	19.82	20.98
09	20.32	22.36	23.52
10	22.86	24.90	26.06
11	25.40	27.44	28.60
12	27.94	29.98	31.14
13	30.48	32.52	33.68
14	33.02	35.06	36.72
15	35.56	37.60	38.76

03 Crimp



Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWhA103-CA21EB	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHH291-HA	02-15	PA9T	PE Bag
	03	Crimp	/	GRH154-T1	/	Phosphor Bronze	Paper plates



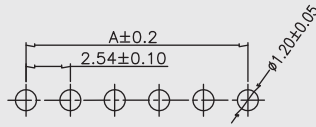
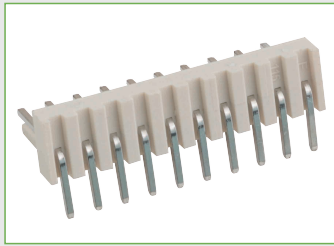
# GWHB121-CA2EB

## Specifications:

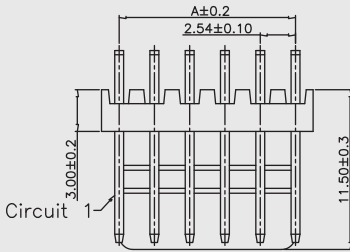
- Voltage Rating: 250V/AC
- Current Rating: 3A
- Withstanding Voltage: 1000V/AC
- Contact Resistance: 20mΩ Max.
- Insulation Resistance: 1000MΩ Min.
- Wire Range: AWG #22~30
- Insulator Material: UL94V-0
- Operating Temperature: -25°C to +85°C



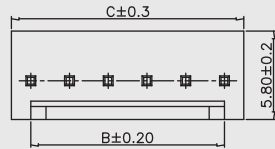
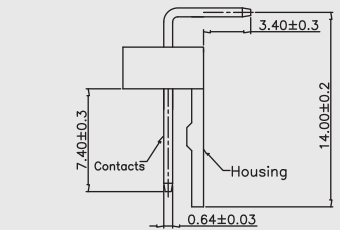
[Request Quotation](#)



### Recommended PCB Layout

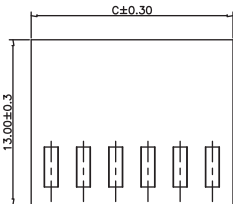
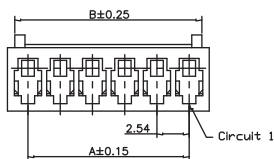
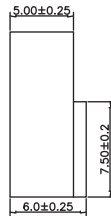
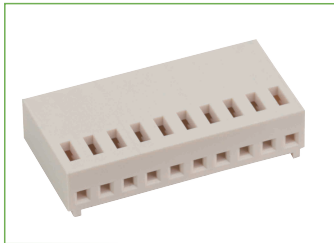


No. of Pins/Row	Dimension Information		
	A	B	C
02	2.54	2.54	5.08
03	5.08	5.08	7.62
04	7.62	7.62	10.16
05	10.16	10.16	12.70
06	12.70	12.70	15.24
07	15.24	15.24	17.78
08	17.78	17.78	20.32
09	20.32	20.32	22.86
10	22.86	22.86	25.40
11	25.40	25.40	27.94
12	27.94	27.94	30.48
13	30.48	30.48	33.02
14	33.02	33.02	35.56
15	35.56	35.56	38.10



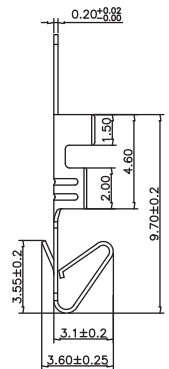
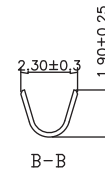
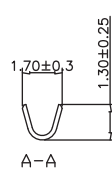
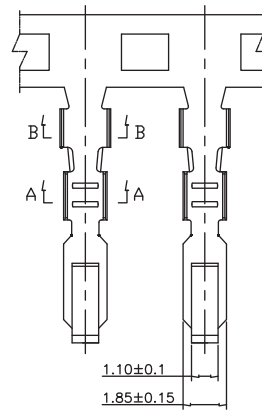
### 90° R/A Header 01

### Housing 02



No. of Pins/Row	Dimensions Information		
	A	B	C
02	2.54	4.58	5.74
03	5.08	7.12	8.28
04	7.62	9.66	10.28
05	10.16	12.20	13.36
06	12.70	14.74	15.90
07	15.24	17.28	18.44
08	17.78	19.82	20.98
09	20.32	22.36	23.52
10	22.86	24.90	26.06
11	25.40	27.44	28.60
12	27.94	29.98	31.14
13	30.48	32.52	33.68
14	33.02	35.06	36.72
15	35.56	37.60	38.76

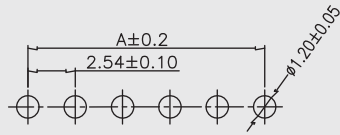
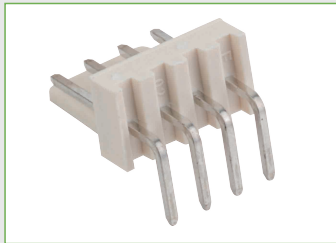
### Crimp 03



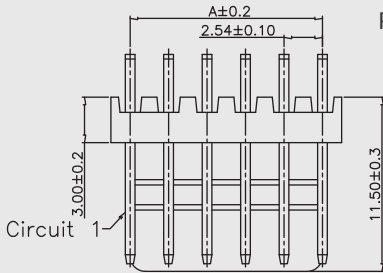
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWHB121-CA2EB	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHH291-HA	02-15	PA9T	PE Bag
	03	Crimp	/	GRH154-T1	/	Phosphor Bronze	Paper plates



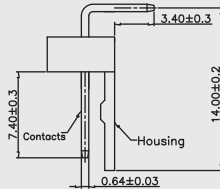
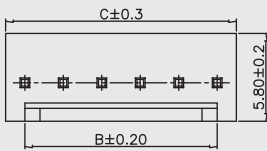
# GWHB121-CA3EB



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	2.54	2.54	5.08
03	5.08	5.08	7.62
04	7.62	7.62	10.16
05	10.16	10.16	12.70
06	12.70	12.70	15.24
07	15.24	15.24	17.78
08	17.78	17.78	20.32
09	20.32	20.32	22.86
10	22.86	22.86	25.40
11	25.40	25.40	27.94
12	27.94	27.94	30.48
13	30.48	30.48	33.02
14	33.02	33.02	35.56
15	35.56	35.56	38.10



90° R/A Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~30

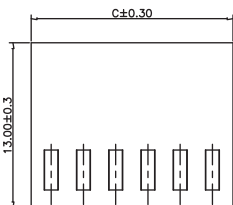
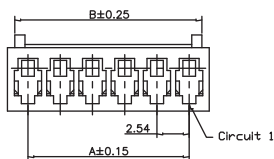
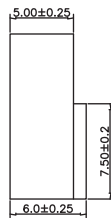
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



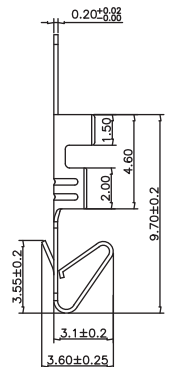
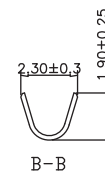
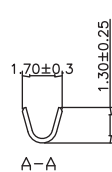
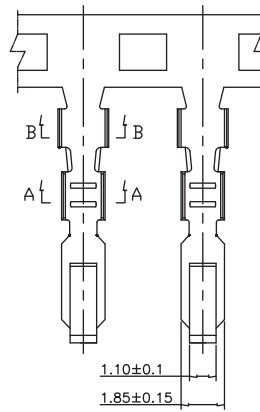
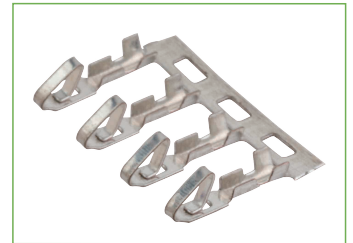
Request Quotation

Housing 02



No. of Pins/Row	Dimensions Information		
	A	B	C
02	2.54	4.58	5.74
03	5.08	7.12	8.28
04	7.62	9.66	10.28
05	10.16	12.20	13.36
06	12.70	14.74	15.90
07	15.24	17.28	18.44
08	17.78	19.82	20.98
09	20.32	22.36	23.52
10	22.86	24.90	26.06
11	25.40	27.44	28.60
12	27.94	29.98	31.14
13	30.48	32.52	33.68
14	33.02	35.06	36.72
15	35.56	37.60	38.76

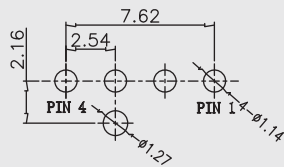
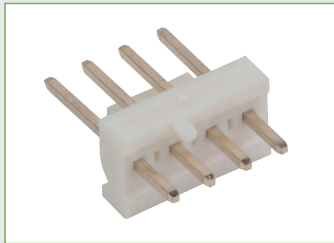
Crimp 03



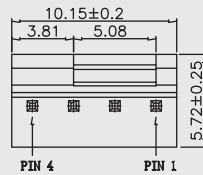
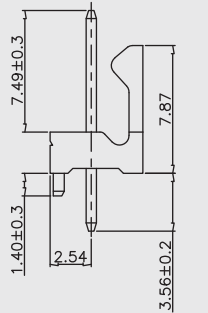
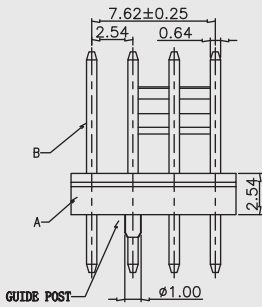
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWHB121-CA3EB	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHH291-HA	02-15	PA9T	PE Bag
	03	Crimp	/	GRH154-T1	/	Phosphor Bronze	Paper plates



# GWHA120-CB1EB



Recommended PCB Layout



180° S/T Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 3A

Withstanding Voltage: 1000V/AC

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #22~30

Insulator Material: UL94V-0

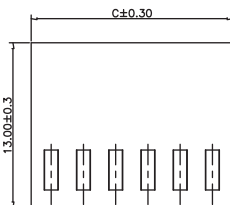
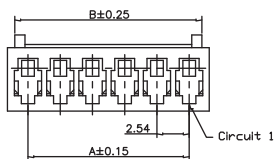
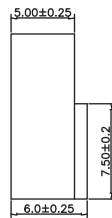
Operating Temperature: -25°C to +85°C



Request Quotation

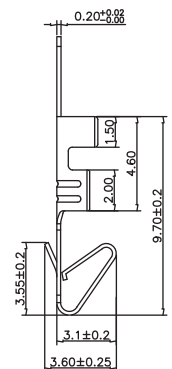
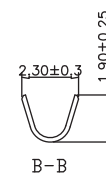
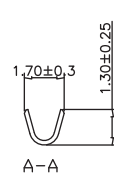
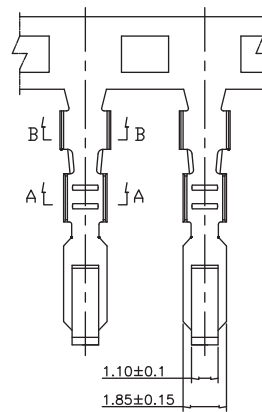


Housing 02



No. of Pins/Row	Dimensions Information		
	A	B	C
02	2.54	4.58	5.74
03	5.08	7.12	8.28
04	7.62	9.66	10.28
05	10.16	12.20	13.36
06	12.70	14.74	15.90
07	15.24	17.28	18.44
08	17.78	19.82	20.98
09	20.32	22.36	23.52
10	22.86	24.90	26.06
11	25.40	27.44	28.60
12	27.94	29.98	31.14
13	30.48	32.52	33.68
14	33.02	35.06	36.72
15	35.56	37.60	38.76

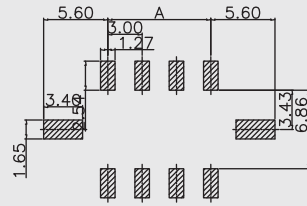
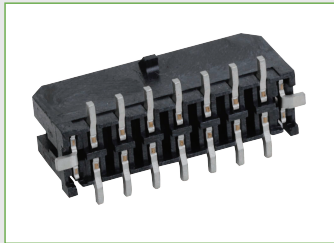
03 Crimp



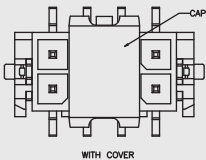
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWHA120-CB1EB	02-15	PA9T	Tape&Reel
Wire side	02	Housing	/	GHH291-HA	02-15	PA9T	PE Bag
	03	Crimp	/	GRH154-T1	/	Phosphor Bronze	Paper plates



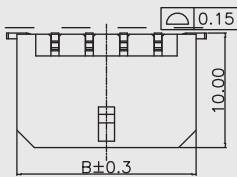
# GWZC201-CA5CB



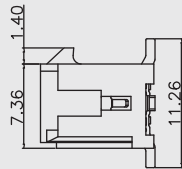
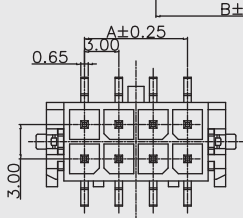
Recommended PCB Layout



WITH COVER



No. of Pins/Row	Dimension Information	
	A	B
01	0.00	6.65
02	3.00	9.65
03	6.00	12.65
04	9.00	15.65
05	12.00	18.65
06	15.00	21.65
07	18.00	24.65
08	21.00	27.65
09	24.00	30.65
10	27.00	33.65
11	30.00	36.65
12	33.00	39.65



180° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 5A

Withstanding Voltage: 1000V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #20~24

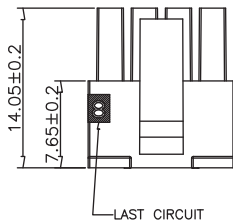
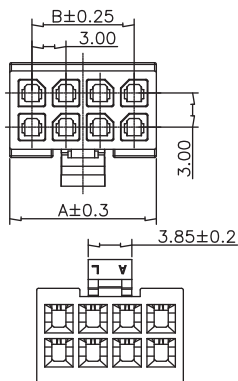
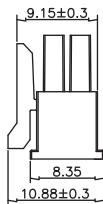
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



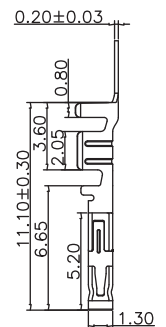
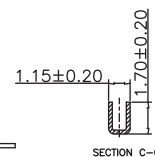
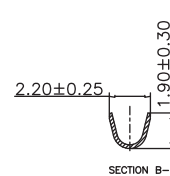
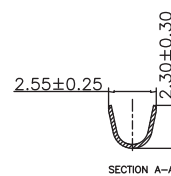
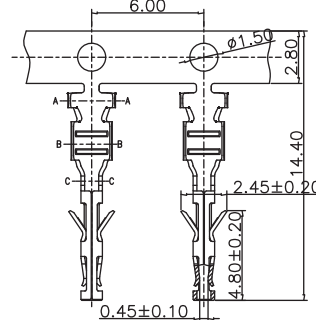
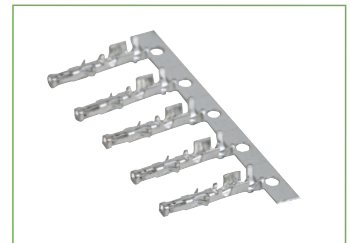
Request Quotation

## Housing 02



No. of Pins/Row	Dimensions Information	
	A	B
02	6.90	3.00
03	9.90	6.00
04	12.90	9.00
05	15.90	12.00
06	18.90	15.00
07	21.90	18.00
08	24.90	21.00
09	27.90	24.00
10	30.90	27.00
11	33.90	30.00
12	36.90	33.00

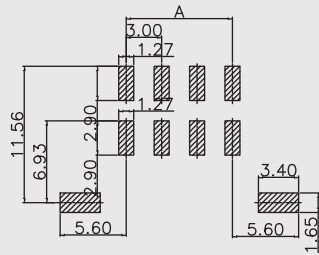
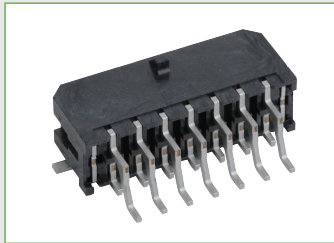
## 03 Crimp



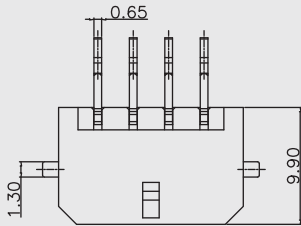
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWZC201-CA5CB	01-12	LCP	Tape&Reel
Wire side	02	Housing	/	GHZ242-HA	02-12	LCP	PE Bag
	03	Crimp	/	GRZ1C8-T1	/	Phosphor Bronze	Paper plates



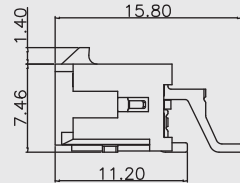
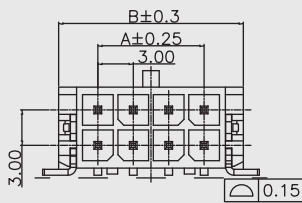
# GWZD201-CA4CB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
01	0.00	6.65
02	3.00	9.65
03	6.00	12.65
04	9.00	15.65
05	12.00	18.65
06	15.00	21.65
07	18.00	24.65
08	21.00	27.65
09	24.00	30.65
10	27.00	33.65
11	30.00	36.65
12	33.00	39.65



90° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 5A

Withstanding Voltage: 1000V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #20~24

Insulator Material: UL94V-0

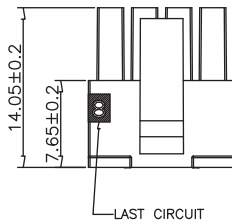
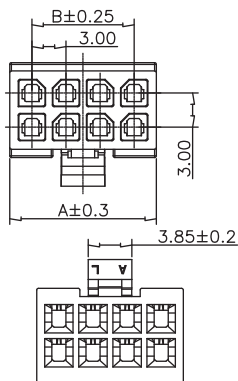
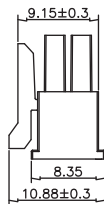
Operating Temperature: -25°C to +85°C



Request Quotation

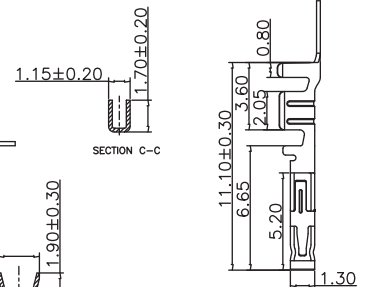
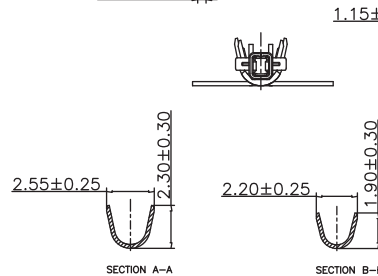
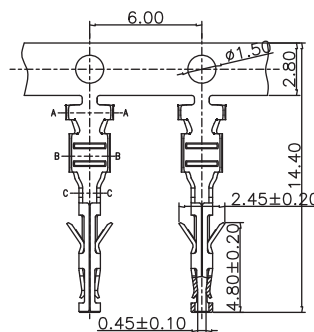
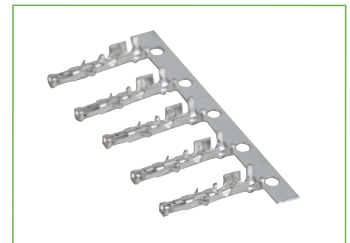


Housing 02



No. of Pins/Row	Dimensions Information	
	A	B
02	6.90	3.00
03	9.90	6.00
04	12.90	9.00
05	15.90	12.00
06	18.90	15.00
07	21.90	18.00
08	24.90	21.00
09	27.90	24.00
10	30.90	27.00
11	33.90	30.00
12	36.90	33.00

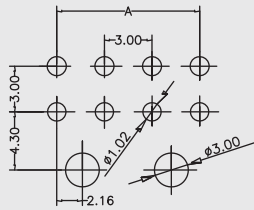
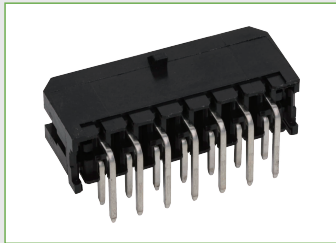
03 Crimp



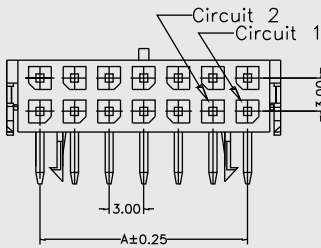
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWZD201-CA4CB	01-12	LCP	Tape&Reel
Wire side	02	Housing	/	GHZ242-HA	02-12	LCP	PE Bag
	03	Crimp	/	GRZ1C8-T1	/	Phosphor Bronze	Paper plates



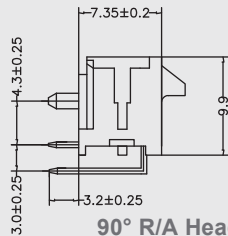
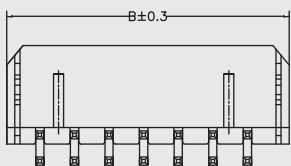
► GWZB206-CB1EZ



Recommended PCB Layout



No. of Pins/Row	Dimension A	Dimension B
01	0.00	6.65
02	3.00	9.65
03	6.00	12.65
04	9.00	15.65
05	12.00	18.65
06	15.00	21.65
07	18.00	24.65
08	21.00	27.65
09	24.00	30.65
10	27.00	33.65
11	30.00	36.65
12	33.00	39.65



90° R/A Header 01

Specifications:

Voltage Rating: 250V/AC

Current Rating: 5A

Withstanding Voltage: 1500V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #20~24

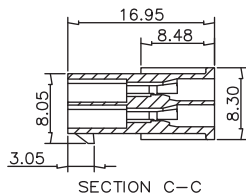
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C

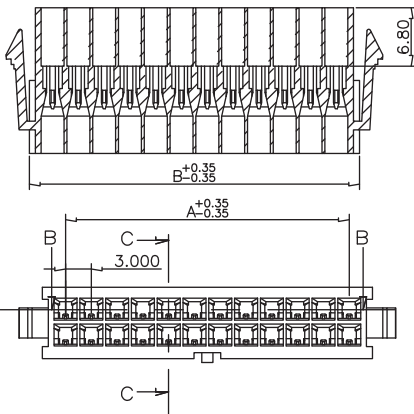


Request Quotation

产品和图纸对不上-解决中 02

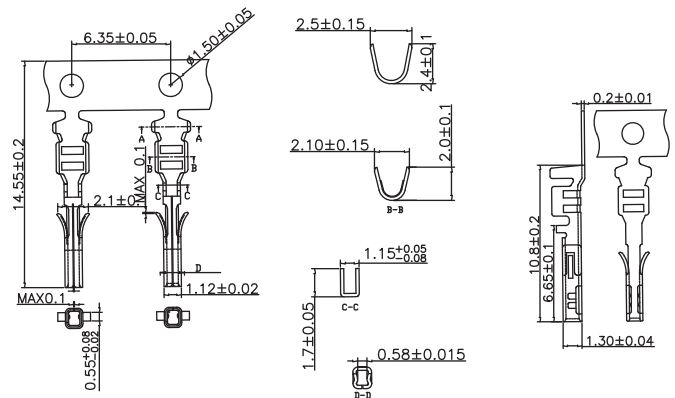
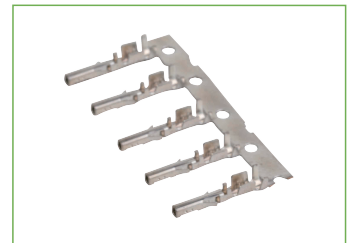


SECTION C-C



No. of Pins/Row	Dimension A	Dimension B
01	5.40	5.40
02	3.00	8.40
03	6.00	11.40
04	9.00	14.40
05	12.00	17.40
06	15.00	20.40
07	18.00	23.40
08	21.00	26.40
09	24.00	29.40
10	27.00	32.40
11	30.00	35.40
12	33.00	38.40

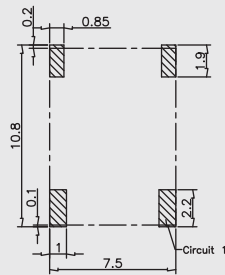
03 Crimp



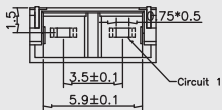
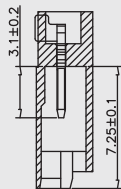
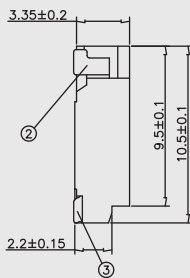
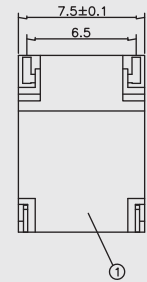
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWZB206-CB1EZ	01-12	LCP	Tape&Reel
Wire side	02	Housing	/	GHZ262-HA	01-12	LCP	PE Bag
	03	Crimp	/	GRZ1D1-T1	/	Phosphor Bronze	Paper plates



► GWZD121-CA1DS



Recommended PCB Layout



90° SMT Header

Specifications:

Voltage Rating: 1400V/AC

Current Rating: 3A

Withstanding Voltage: 3800V/AC

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #24~28

Insulator Material: UL94V-0

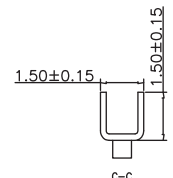
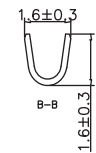
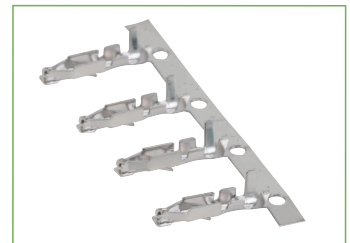
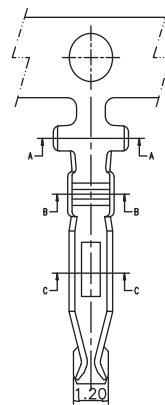
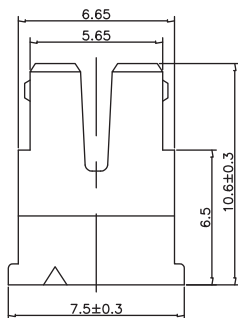
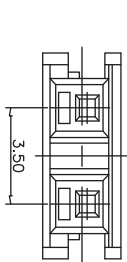
Operating Temperature: -25°C to +85°C



Request Quotation



Housing Crimp

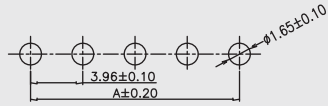
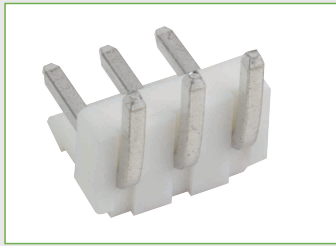


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWZD121-CA1DS	02	PA9T	Tape&Reel
Wire side	02	Housing	/	GHZ251-HA	02	PA66	PE Bag
	03	Crimp	/	GRZ1C9-T1	/	Phosphor Bronze	Paper plates

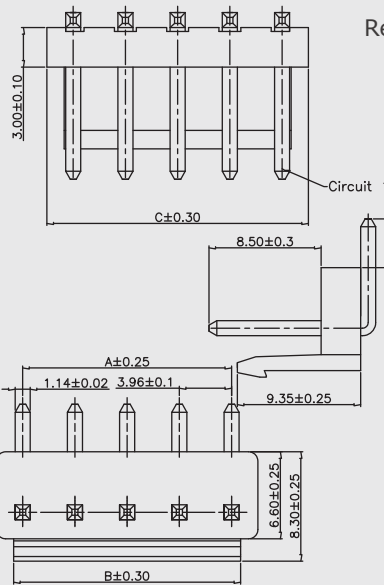




► GWJB110-CA2EB



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	3.96	5.00	7.94
03	7.92	8.96	11.90
04	11.88	12.92	15.86
05	15.84	16.88	19.82
06	19.80	20.84	23.78
07	23.76	24.80	27.74
08	27.72	28.76	31.70
09	31.68	32.72	35.66
10	35.64	36.68	39.62
11	39.60	40.64	43.58
12	43.56	44.60	47.54
13	47.52	48.56	51.50
14	51.48	52.52	55.46

90° R/A Header 01

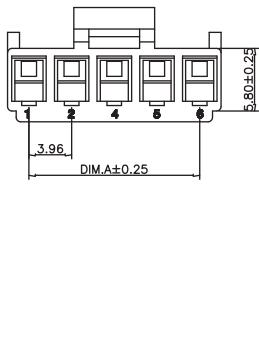
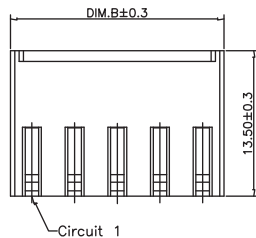
Specifications:

- Voltage Rating: 250V/AC
- Current Rating: 7A
- Withstanding Voltage: 1500V/AC
- Contact Resistance: 10mΩ Max.
- Insulation Resistance: 1000MΩ Min.
- Wire Range: AWG #21~18
- Insulator Material: UL94V-0
- Operating Temperature: -25°C to +85°C



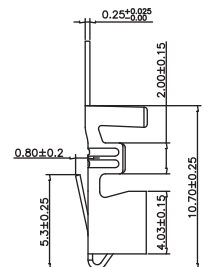
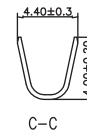
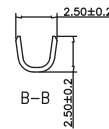
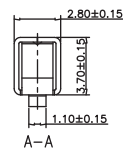
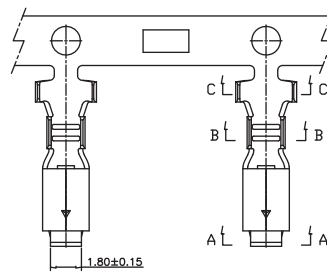
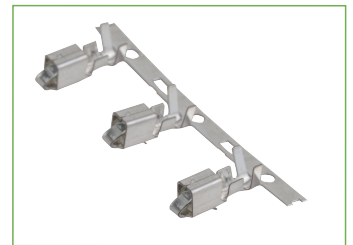
Request Quotation

Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	3.96	7.92
03	7.92	11.88
04	11.88	15.84
05	15.84	19.80
06	19.80	23.76
07	23.76	27.72
08	27.72	31.68
09	31.68	35.64
10	35.64	39.60
11	39.60	43.56
12	43.56	47.52
13	47.52	51.48
14	51.48	55.44

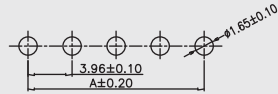
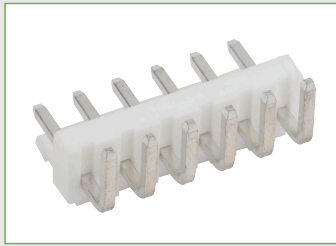
03 Crimp



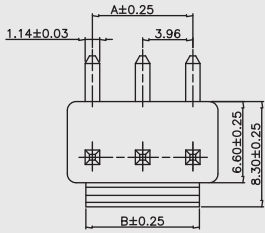
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWJB110-CA2EB	02-14	PA66	Tape&Reel
Wire side	02	Housing	/	GWJ111-HA	02-14	PA66	PE Bag
	03	Crimp	/	GRJ108-T1	/	Phosphor Bronze	Paper plates



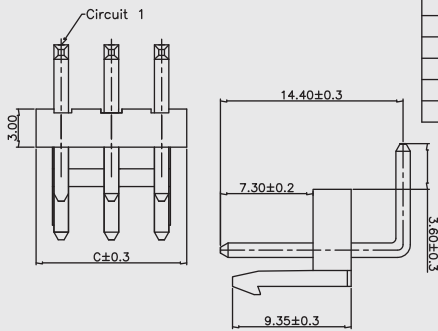
# GWJB110-CA1EB



Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	3.96	5.00	7.94
03	7.92	8.96	11.90
04	11.88	12.92	15.86
05	15.84	16.88	19.82
06	19.80	20.84	23.78
07	23.76	24.80	27.74
08	27.72	28.76	31.70
09	31.68	32.72	35.66
10	35.64	36.68	39.62
11	39.60	40.64	43.58
12	43.56	44.60	47.54
13	47.52	48.56	51.50
14	51.48	52.52	55.46



90° R/A Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 7A

Withstanding Voltage: 1500V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #21~18

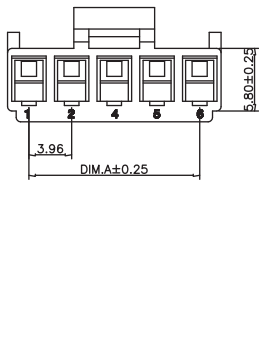
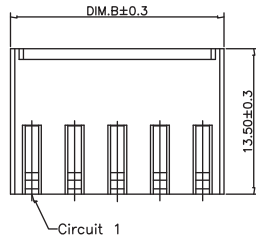
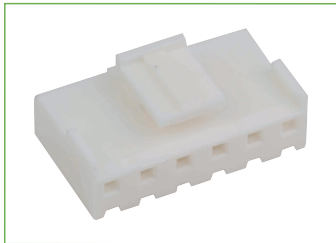
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



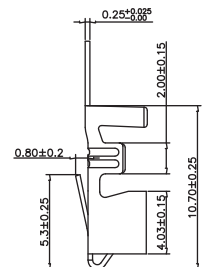
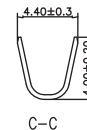
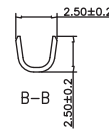
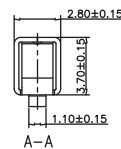
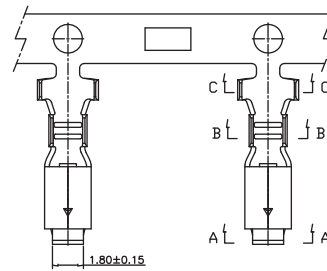
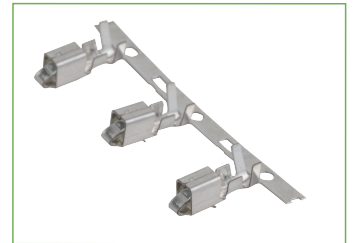
Request Quotation

## Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	3.96	7.92
03	7.92	11.88
04	11.88	15.84
05	15.84	19.80
06	19.80	23.76
07	23.76	27.72
08	27.72	31.68
09	31.68	35.64
10	35.64	39.60
11	39.60	43.56
12	43.56	47.52
13	47.52	51.48
14	51.48	55.44

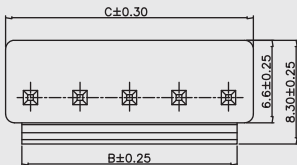
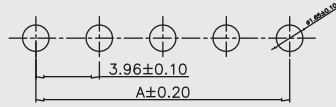
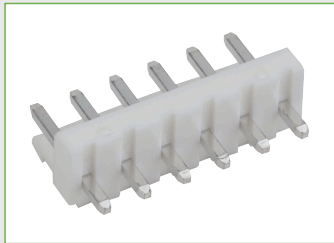
## Crimp 03



Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWJB110-CA1EB	02-14	PA66	Tape&Reel
Wire side	02	Housing	/	GWJ111-HA	02-14	PA66	PE Bag
	03	Crimp	/	GRJ108-T1	/	Phosphor Bronze	Paper plates

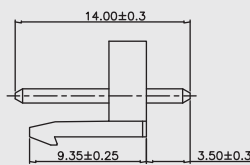
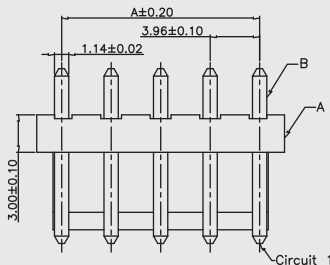


# GWJA102-CA27EB



Recommended PCB Layout

No. of Pins/Row	Dimension Information		
	A	B	C
02	3.96	5.00	7.94
03	7.92	8.96	11.90
04	11.88	12.92	15.86
05	15.84	16.88	19.82
06	19.80	20.84	23.78
07	23.76	24.80	27.74
08	27.72	28.76	31.70
09	31.68	32.72	35.66
10	35.64	36.68	39.62
11	39.60	40.64	43.58
12	43.56	44.60	47.54
13	47.52	48.56	51.50
14	51.48	52.52	55.46



180° S/T Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 7A

Withstanding Voltage: 1500V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

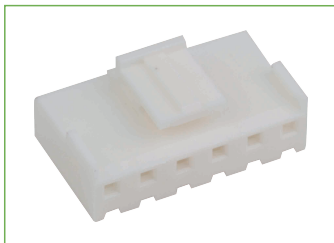
Wire Range: AWG #21~18

Insulator Material: UL94V-0

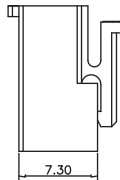
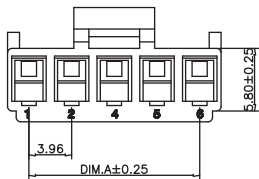
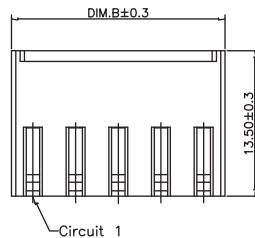
Operating Temperature: -25°C to +85°C



Request Quotation

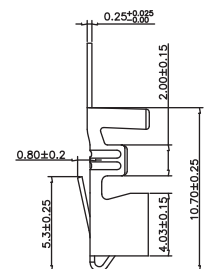
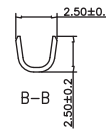
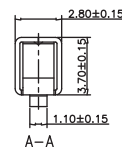
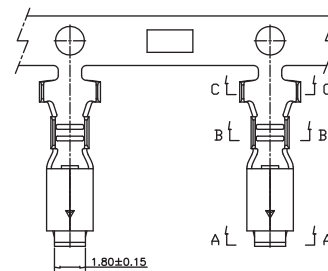
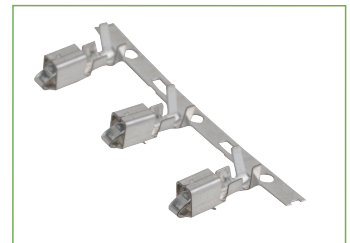


Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	3.96	7.92
03	7.92	11.88
04	11.88	15.84
05	15.84	19.80
06	19.80	23.76
07	23.76	27.72
08	27.72	31.68
09	31.68	35.64
10	35.64	39.60
11	39.60	43.56
12	43.56	47.52
13	47.52	51.48
14	51.48	55.44

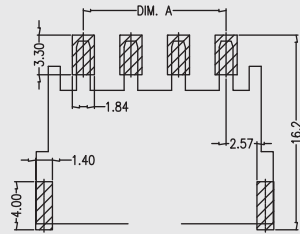
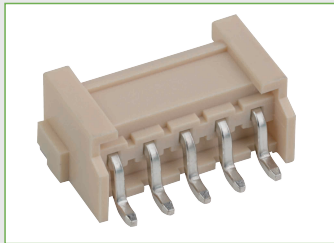
03 Crimp



Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWJA102-CA27EB	02-14	PA66	Tape&Reel
Wire side	02	Housing	/	GWJ111-HA	02-14	PA66	PE Bag
	03	Crimp	/	GRJ108-T1	/	Phosphor Bronze	Paper plates

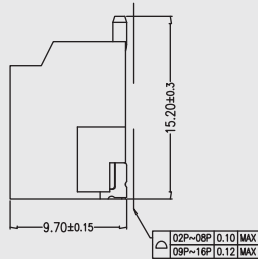
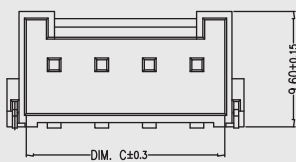
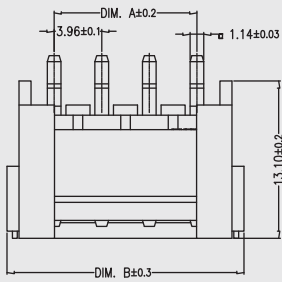


# GWJD101-CA1DB



Recommended PCB Layout

No. of Pins/Row	Dimension Information		
	A	B	C
02	3.96	11.88	8.60
03	7.92	15.84	12.56
04	11.88	19.80	16.52
05	15.84	23.76	20.48
06	19.80	27.72	24.44
07	23.76	31.68	28.40
08	27.72	35.64	32.36



90° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 7A

Withstanding Voltage: 1500V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #21~18

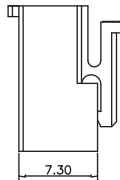
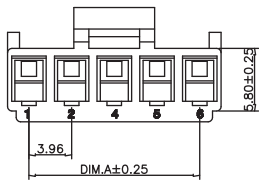
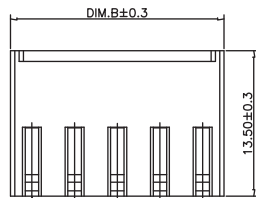
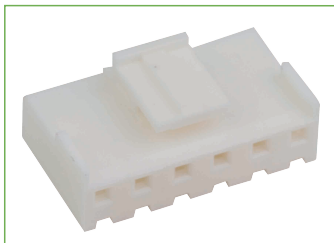
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



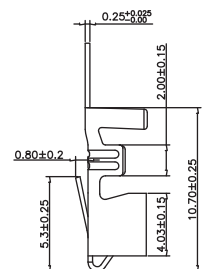
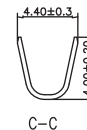
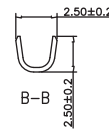
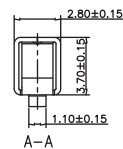
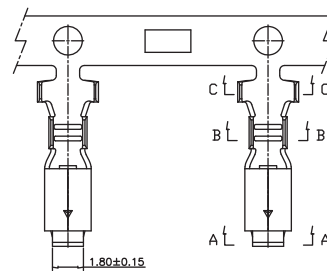
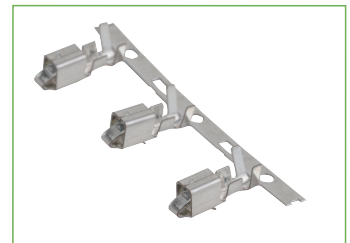
Request Quotation

## Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	3.96	7.92
03	7.92	11.88
04	11.88	15.84
05	15.84	19.80
06	19.80	23.76
07	23.76	27.72
08	27.72	31.68
09	31.68	35.64
10	35.64	39.60
11	39.60	43.56
12	43.56	47.52
13	47.52	51.48
14	51.48	55.44

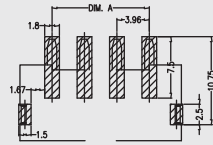
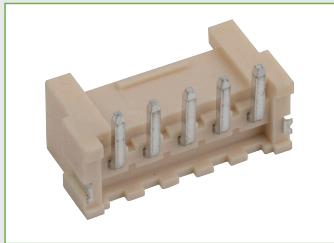
## Crimp 03



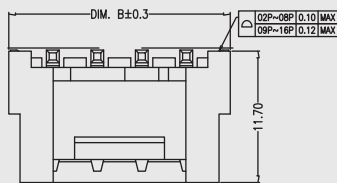
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° SMT	GWJD101-CA1DB	02-08	PA9T	Tape&Reel
Wire side	02	Housing	/	GWJ111-HA	02-14	PA66	PE Bag
	03	Crimp	/	GRJ108-T1	/	Phosphor Bronze	Paper plates



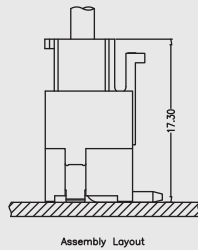
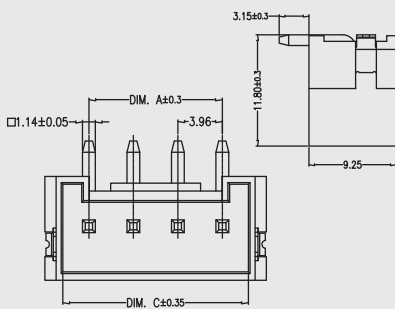
# GWJC101-CA1DB



### Recommended PCB Layout



No. of Pins/Row	Dimension Information		
	A	B	C
02	3.96	11.88	8.60
03	7.92	15.84	12.56
04	11.88	19.80	16.52
05	15.84	23.76	20.48
06	19.80	27.72	24.44
07	23.76	31.68	28.40
08	27.72	35.64	32.36
09	31.68	39.60	36.32
10	35.64	43.56	40.28



180° SMT Header 01

## Specifications:

Voltage Rating: 250V/AC

Current Rating: 7A

Withstanding Voltage: 1500V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #21~18

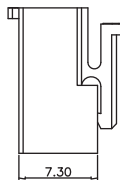
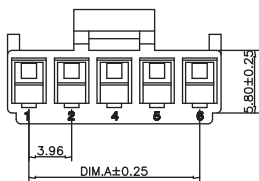
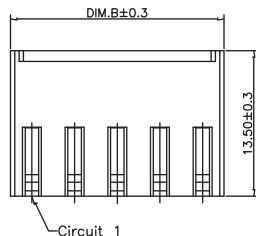
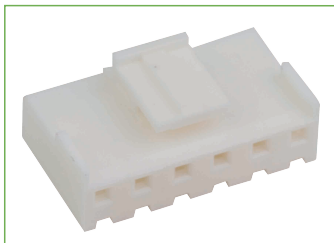
Insulator Material: UL94V-0

Operating Temperature: -25°C to +85°C



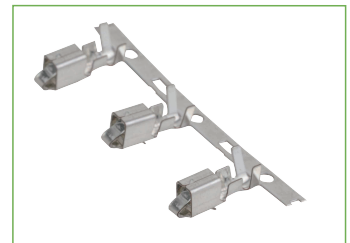
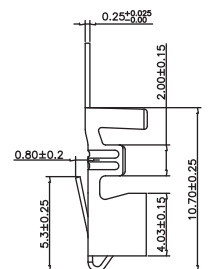
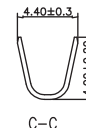
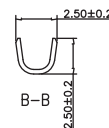
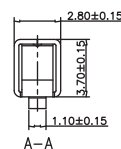
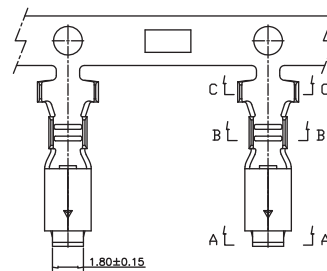
Request Quotation

### Housing 02



No. of Pins/Row	Dimension Information	
	A	B
02	3.96	7.92
03	7.92	11.88
04	11.88	15.84
05	15.84	19.80
06	19.80	23.76
07	23.76	27.72
08	27.72	31.68
09	31.68	35.64
10	35.64	39.60
11	39.60	43.56
12	43.56	47.52
13	47.52	51.48
14	51.48	55.44

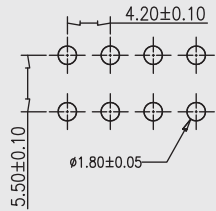
### 03 Crimp



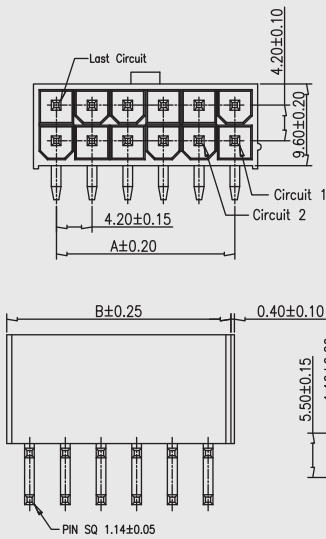
Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° SMT	GWJC101-CA1DB	02-10	PA9T	Tape&Reel
Wire side	02	Housing	/	GWJ111-HA	02-14	PA66	PE Bag
	03	Crimp	/	GRJ108-T1	/	Phosphor Bronze	Paper plates



# ► GWRB201-CA8EB



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
01	---	5.40
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20
06	21.00	26.40
07	25.20	30.60
08	29.40	34.80
09	33.60	39.00
10	37.80	43.20
11	42.00	47.40
12	46.20	51.60

90° R/A Header 01

## Specifications:

Voltage Rating: 600V/AC

Current Rating: 9A

Withstanding Voltage: 1500V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Wire Range: AWG #18~20

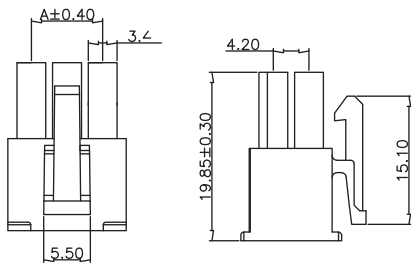
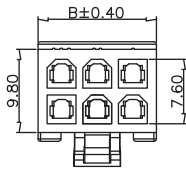
Insulator Material: UL94V-2

Operating Temperature: -40°C to +105°C



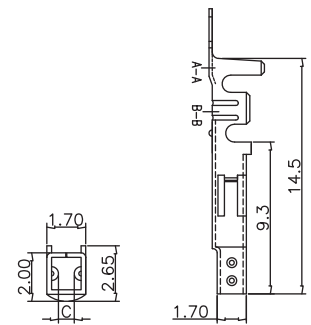
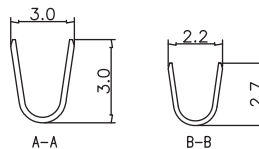
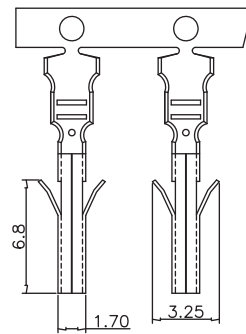
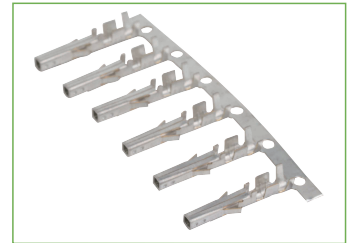
Request Quotation

## Housing 02



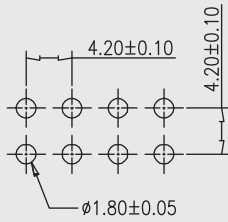
No. of Pins/Row	Dimension Information	
	A	B
01	---	5.50
02	4.20	9.70
03	8.40	13.90
04	12.60	18.10
05	16.80	22.30
06	21.00	26.50
07	25.20	30.70
08	29.40	34.90
09	33.60	39.10
10	37.80	43.30
11	42.00	47.50
12	46.20	51.70

## 03 Crimp

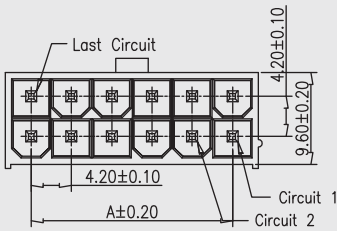


Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	90° R/A	GWRB201-CA8EB	01-12	PA66	Tape&Reel
Wire side	02	Housing	/	GHR232-HA	01-12	PA66	PE Bag
	03	Crimp	/	GRR104-T1	/	Phosphor Bronze	Paper plates

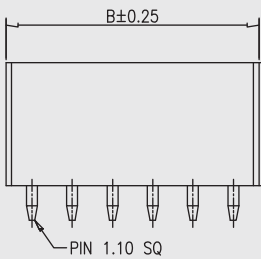
# GWRA208-CA1EZ



Recommended PCB Layout



No. of Pins/Row	Dimension Information	
	A	B
01		5.40
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20
06	21.00	26.40
07	25.20	30.60
08	29.40	34.80
09	33.60	39.00
10	37.80	43.20
11	42.00	47.40
12	46.20	51.60



180° S/T Header 01

## Specifications:

Voltage Rating: 600V/AC

Current Rating: 9A

Withstanding Voltage: 1500V/AC

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

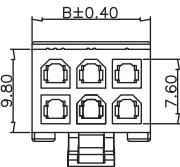
Wire Range: AWG #18~20

Insulator Material: UL94V-2

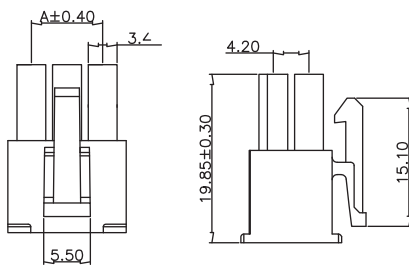
Operating Temperature: -40°C to +105°C



Request Quotation

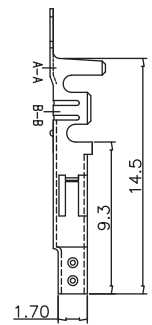
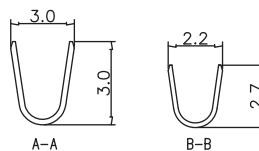
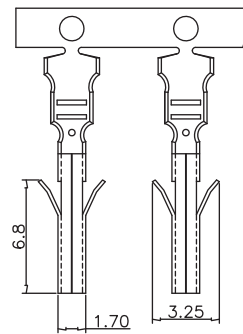
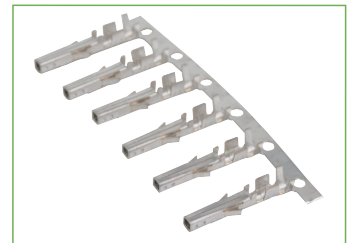


Housing 02



No. of Pins/Row	Dimension Information	
	A	B
01		5.50
02	4.20	9.70
03	8.40	13.90
04	12.60	18.10
05	16.80	22.30
06	21.00	26.50
07	25.20	30.70
08	29.40	34.90
09	33.60	39.10
10	37.80	43.30
11	42.00	47.50
12	46.20	51.70

03 Crimp



Type	No.	Item	Model	Drawing No.	Pin	Material	Packing
Board side	01	Header	180° S/T	GWRA208-CA1EZ	01-12	PA66	Tape&Reel
Wire side	02	Housing	/	GHR232-HA	01-12	PA66	PE Bag
	03	Crimp	/	GRR104-T1	/	Phosphor Bronze	Paper plates



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