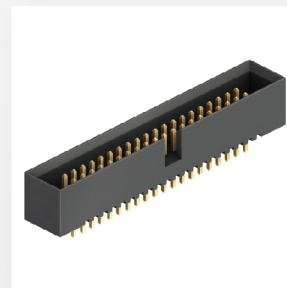
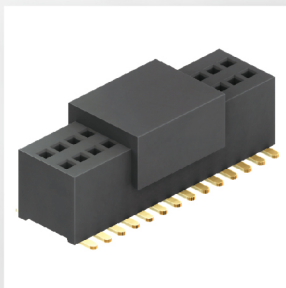
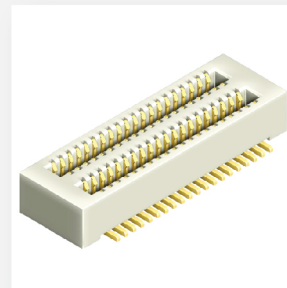
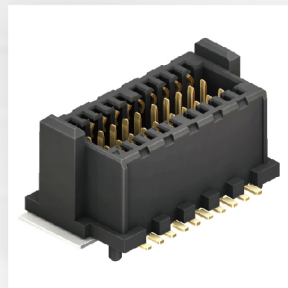
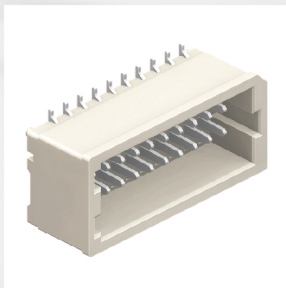
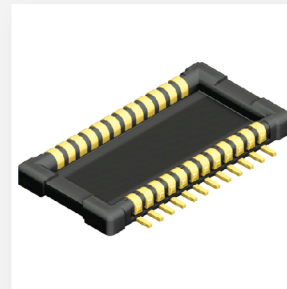
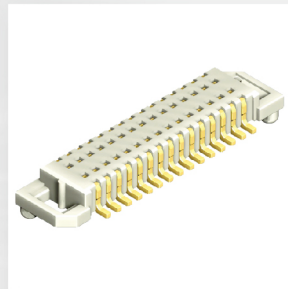
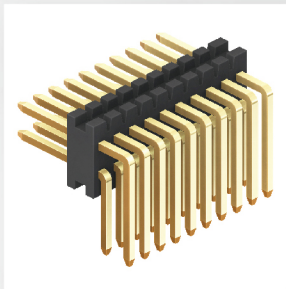
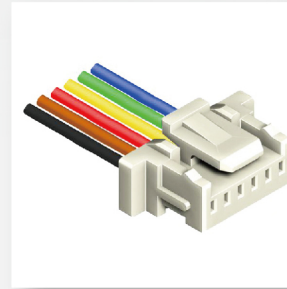
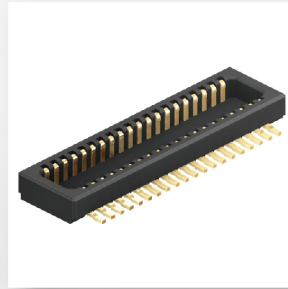
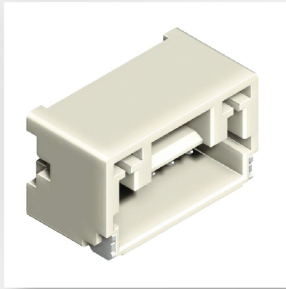




Neltron Industrial Co., Ltd.

Fine Pitch Series



Board To Board Series

2004P-XXG-H09	01
2004S-XXG-H09	02
2004P-XXG-A114	03
2004S-XXG-AXXX	04
2000P-XXG-XXX-020	05
2001S-XXG-XXX-020	06
2000P-XXG-120	07
2001S-XXG-126	08
2063P-XXG-245	09
2063S-XXG-232	10
2063P-XXSG-390020APG	11
2063S-XXSG300020AHEM	12
2011-XXG-XXX	13
2010-XXG-XXX	14
2011R-XXG-XXX-PC	15
2011-XXX-CXXX	16
2010-XXX-CXXX	17
2005P-XXG-XXX-XX	18
2005S-XXG-335-XX	19
2005P-XXG-XXX-CR	20
2005S-XXG-328-CR	21
2019RB-XXX-BK-290324	22
2019SB-XXX-BK-698	23
2020SB-XXX-SM-33-PCR	24

Wire To Board Series

1700S-XXX-SM	25
1700R-XXX-SM	26
1700H-XX	27
1600S-XX-SM-HF7	28
1600R-XX-SM-HF7	29
1600H-XX	30
1600S-XX-SM-LK	31
1600R-XX-SM-LK	32
1600H-XX-LK	33
1600SMB-XXX-XX	34
1600RMB-XX-01	35
1600HB-XX	36

FPC / FFC Connector Series

1226-XX-01	37
1226-XX-01A	38
1226-XX-01B	39
1226-XX-02	40
1226-XX-03	41
1226-XX-10-H28	42
1224S1-XX	43
1224SM1-XX-30	44
1224SM1-XX-40-02	45
1224SM1-XX-40-03	46
1223-XX-01-H29	47
1223-XX-01A-H29	48
1223-XX-01B-H29	49
1223-XX-02-H29	50
1223-XX-03-H29	51

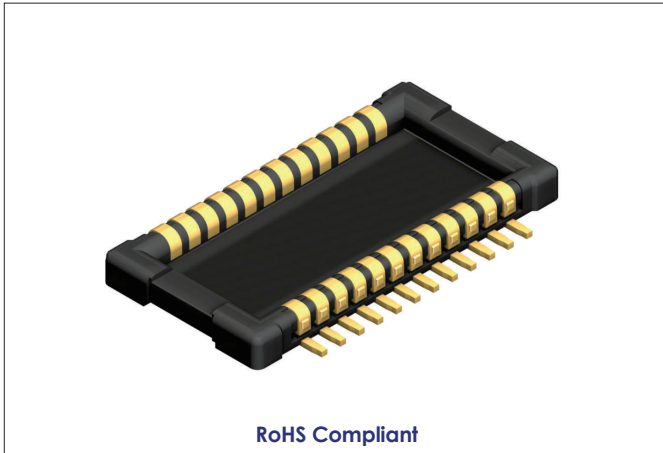
IDC Series

4412-XX-XX	52
4412-XXSR-XX	53
2195S-XXX-X	54
2195R-XXX-X	55
2195SM-XXX-X	56

0.4mm Board to Board Plug 2004P Series

2004P-XXG-H09

UNIT : mm



► Specifications

1. Current Rating : 0.3A AC/DC
2. Voltage Rating : 30V AC/DC
3. Contact Resistance : 80m ohm. max
4. Insulation Resistance : 1000M ohm. min. at 250V DC
5. Withstanding Voltage : 150V AC for one minute
6. Operating Temperature Range : -55°C~+85°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Contact : Copper Alloy
4. Plated : Gold Plated

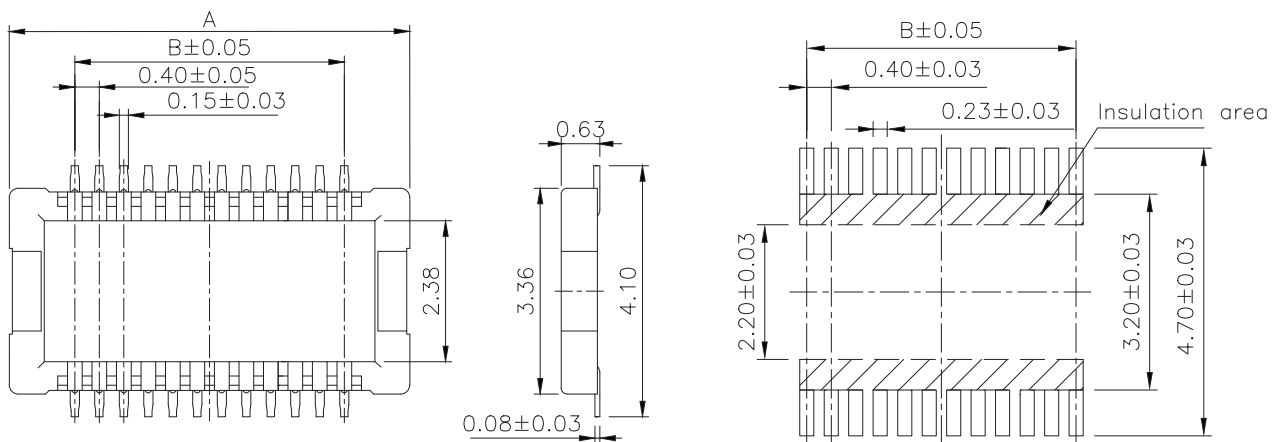
IDC

FPC & FFC

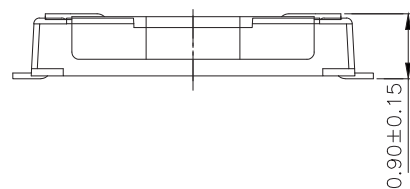
Wire To Board

Board To Board

Detail Drawing



Recommended PCB Layout



Mating Height Drawing (Ref)

Ordering Information

2004P-XXG-H09

- ① ② ③ ④

- ① Plug
- ② No. of Contacts
- ③ Gold Plated
- ④ Matting Height 0.90mm

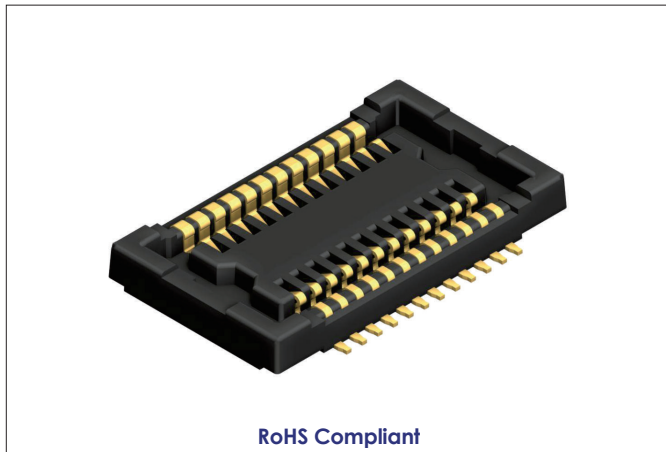
Engineering Dimension

Pin.No	A	B	Pin.No	A	B
10	3.74	1.60	40	9.74	7.60
20	5.74	3.60	50	11.74	9.60
24	6.54	4.40	60	13.74	11.60
30	7.74	5.60	70	15.74	13.60

0.4mm Board to Board Socket 2004S Series

2004S-XXG-H09

UNIT : mm



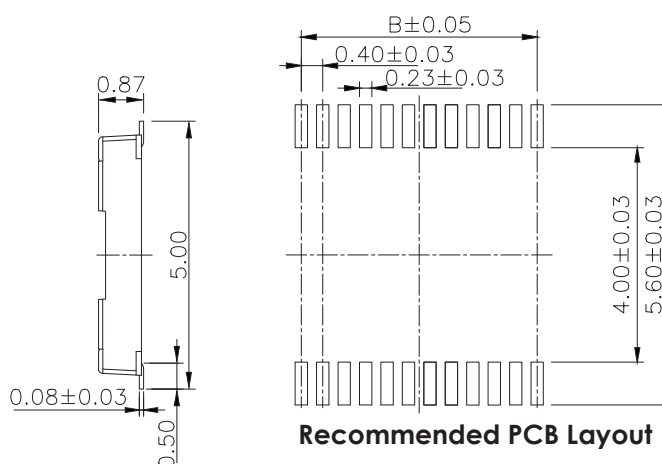
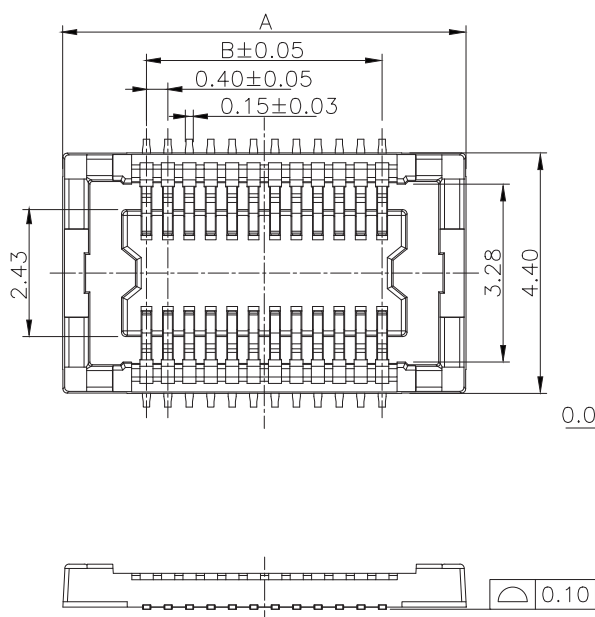
► Specifications

1. Current Rating : 0.3A AC/DC
2. Voltage Rating : 30V AC/DC
3. Contact Resistance : 80m ohm. max
4. Insulation Resistance : 1000M ohm. min. at 250V DC
5. Withstanding Voltage : 150V AC for one minute
6. Operating Temperature Range : -55°C~+85°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Contact : Copper Alloy
4. Plated : Gold Plated

Detail Drawing



Recommended PCB Layout

Mating Height Drawing (Ref)

Ordering Information

2004S-XXG-H09

① ② ③ ④

- ① Socket
- ② No. of Contacts
- ③ Gold Plated
- ④ Matting Height 0.90mm

Engineering Dimension

Pin.No	A	B	Pin.No	A	B
10	4.70	1.60	40	10.70	7.60
20	6.70	3.60	50	12.70	9.60
24	7.50	4.40	60	14.70	11.60
30	8.70	5.60	70	16.70	13.60

IDC

FPC & FFC

Wire To Board

Board To Board

0.4mm Board to Board Plug 2004P Series

2004P-XXG-A114

UNIT : mm



► Specifications

1. Current Rating : 0.3A AC/DC
2. Voltage Rating : 30V AC/DC
3. Contact Resistance : 90m ohm. max
4. Insulation Resistance : 50M ohm. min
5. Withstanding Voltage : 100V AC for one minute
6. Operating Temperature Range : -35°C~+85°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Contact : Phosphor Bronze
4. Plated : Gold Plated

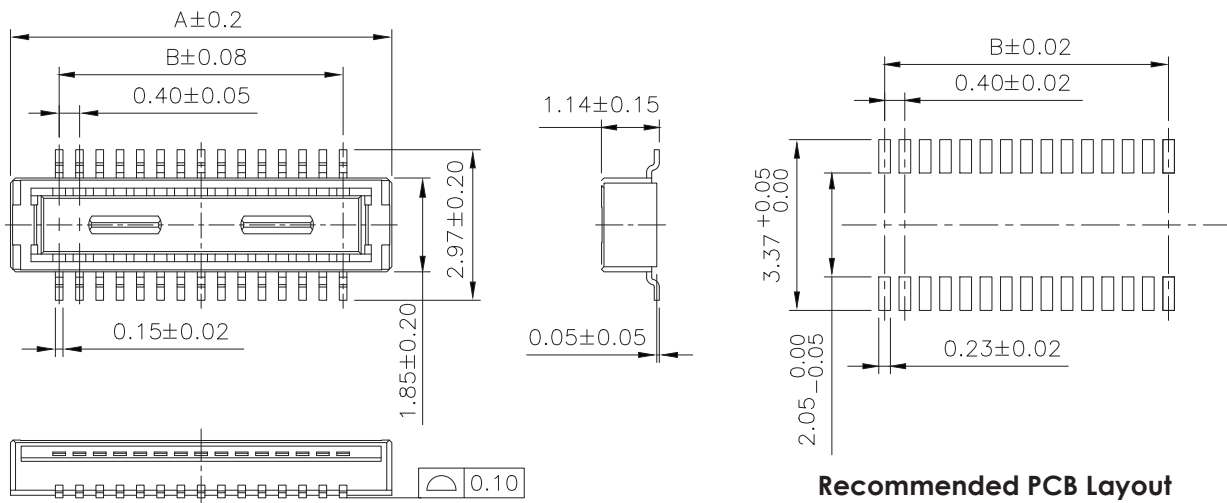
IDC

FPC & FFC

Wire To Board

Board To Board

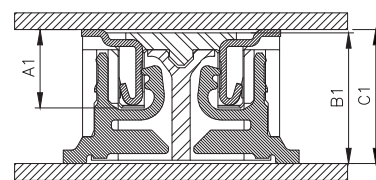
Detail Drawing



Recommended PCB Layout

Total Height and Mating Dimension

P / N (Plug)	P / N (Socket)	Plug Height A1	Socket Height B1	Mating Height C1
2004P-XXG-A114	2004S-XXG-A145	1.14	1.45	1.50
2004P-XXG-A114	2004S-XXG-A195	1.14	1.95	2.00
2004P-XXG-A114	2004S-XXG-A245	1.14	2.45	2.50
2004P-XXG-A114	2004S-XXG-A295	1.14	2.95	3.00
2004P-XXG-A114	2004S-XXG-A345	1.14	3.45	3.50
2004P-XXG-A114	2004S-XXG-A395	1.14	3.95	4.00



Mating Height Drawing (Ref)

Ordering Information

2004P-XXG-A114

① ② ③ ④

- ① Plug
- ② No. of Contacts
- ③ Gold Plated
- ④ Height 1.14mm

Engineering Dimension

Pin.No	A	B
10	3.52	1.60
12	3.92	2.00
20	5.52	3.60
24	6.32	4.40
30	7.52	5.60
34	8.32	6.40
40	9.52	7.60



0.4mm Board to Board Socket 2004S Series

2004S-XXG-AXXX

UNIT : mm



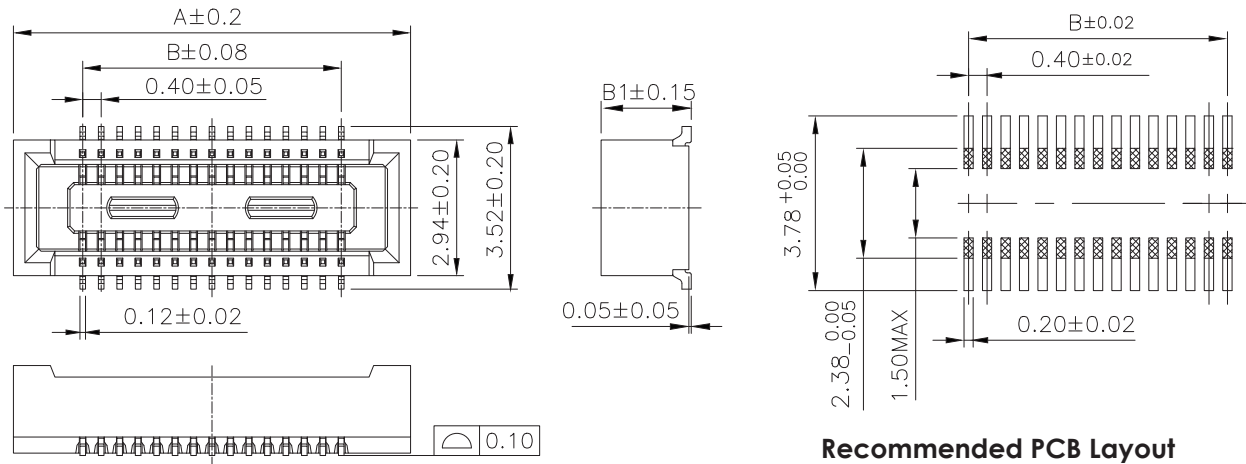
► Specifications

1. Current Rating : 0.3A AC/DC
2. Voltage Rating : 30V AC/DC
3. Contact Resistance : 90m ohm. max
4. Insulation Resistance : 50M ohm. min
5. Withstanding Voltage : 100V AC for one minute
6. Operating Temperature Range : -35°C~+85°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Contact : Phosphor Bronze
4. Plated : Gold Plated

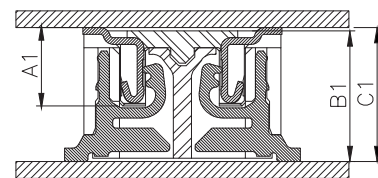
Detail Drawing



Recommended PCB Layout

Total Height and Mating Dimension

P / N (Plug)	P / N (Socket)	Plug Height A1	Socket Height B1	Mating Height C1
2004P-XXG-A114	2004S-XXG-A145	1.14	1.45	1.50
2004P-XXG-A114	2004S-XXG-A195	1.14	1.95	2.00
2004P-XXG-A114	2004S-XXG-A245	1.14	2.45	2.50
2004P-XXG-A114	2004S-XXG-A295	1.14	2.95	3.00
2004P-XXG-A114	2004S-XXG-A345	1.14	3.45	3.50
2004P-XXG-A114	2004S-XXG-A395	1.14	3.95	4.00



Mating Height Drawing (Ref)

Ordering Information

2004S-XXG-AXXX

- ① Socket ④ Height :
- ② No. of Contacts 145=1.45mm
- ③ Gold Plated 195=1.95mm
- 245=2.45mm
- 295=2.95mm
- 345=3.45mm
- 395=3.95mm

Engineering Dimension

Pin.No	A	B
10	4.60	1.60
12	5.00	2.00
20	6.60	3.60
24	7.40	4.40
30	8.60	5.60
34	9.40	6.40
40	10.60	7.60

IDC

FPC & FFC

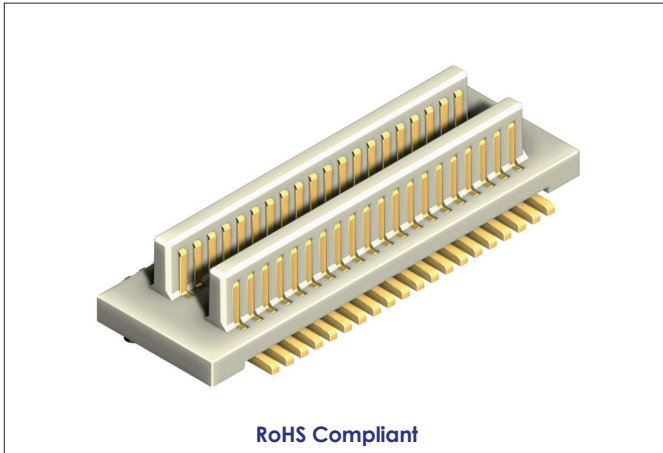
Wire To Board

Board To Board

0.5mm Board to Board Plug 2000P Series

2000P-XXG-XXX-020

UNIT : mm



► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min. at 100V DC
5. Withstanding Voltage : 100V AC for one minute
6. Operating Temperature Range : -20°C~+105°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Gold Plated

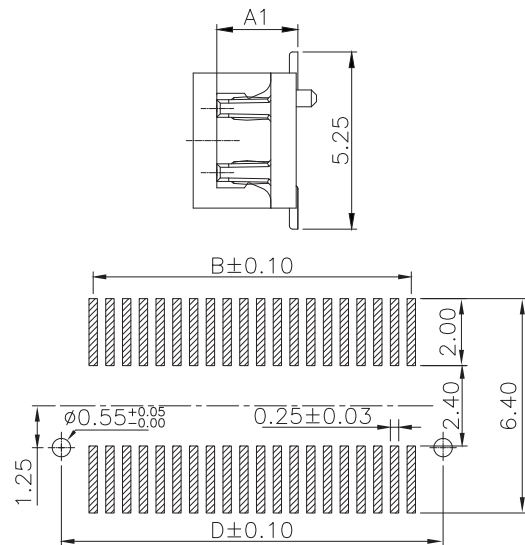
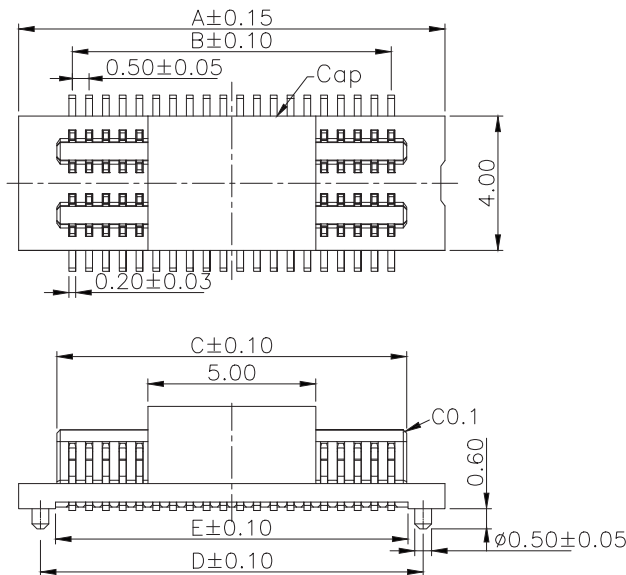
IDC

FPC & FFC

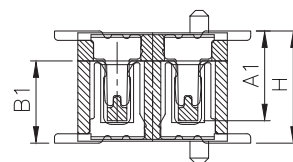
Wire To Board

Board To Board

Detail Drawing



Recommended PCB Layout



Mating Height Drawing (Ref)

Total Height and Mating Dimension

P / N (Plug)	P / N (Socket)	Plug Height A1	Socket Height B1	Mating Height H
2000P-XXG-240-020	2001S-XXG-220-020	2.40	2.20	3.00
2000P-XXG-290-020	2001S-XXG-220-020	2.90	2.20	3.50
2000P-XXG-290-020	2001S-XXG-270-020	2.90	2.70	4.00
2000P-XXG-290-020	2001S-XXG-320-020	2.90	3.20	4.50
2000P-XXG-390-020	2001S-XXG-300-020	3.90	3.00	5.00
2000P-XXG-440-020	2001S-XXG-300-020	4.40	3.00	5.50
2000P-XXG-440-020	2001S-XXG-350-020	4.40	3.50	6.00

Ordering Information

2000P-XXG-XXX-020

- ① Plug ④ Height :
- ② No. of Contacts 240=2.40mm
- ③ Gold Plated 290=2.90mm
- 390=3.90mm
- 440=4.40mm

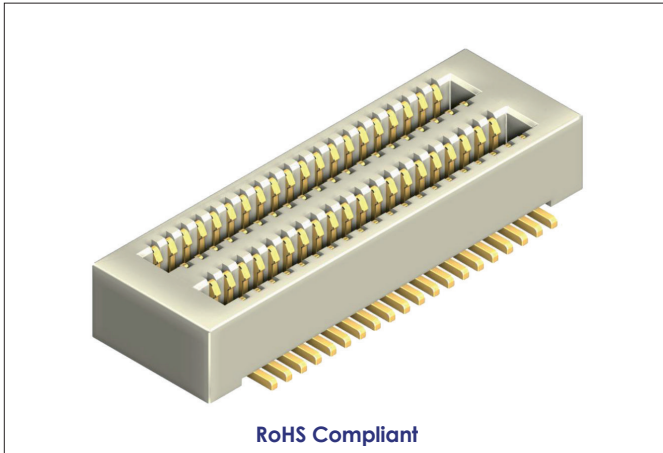
Engineering Dimension

Pin.No	A	B	C	D	E	Pin.No	A	B	C	D	E
10	5.20	2.00	2.92	3.90	3.00	60	17.70	14.50	15.42	16.40	15.50
12	5.70	2.50	3.42	4.40	3.50	70	20.20	17.00	17.92	18.90	18.00
20	7.70	4.50	5.42	6.40	5.50	80	22.70	19.50	20.42	21.40	20.50
30	10.20	7.00	7.92	8.90	8.00	90	25.20	22.00	22.92	23.90	23.00
40	12.70	9.50	10.42	11.40	10.50	100	27.70	24.50	25.42	26.40	25.50
50	15.20	12.00	12.92	13.90	13.00	120	35.20	32.00	32.92	33.90	33.00

0.5mm Board to Board Socket 2001S Series

2001S-XXG-XXX-020

UNIT : mm



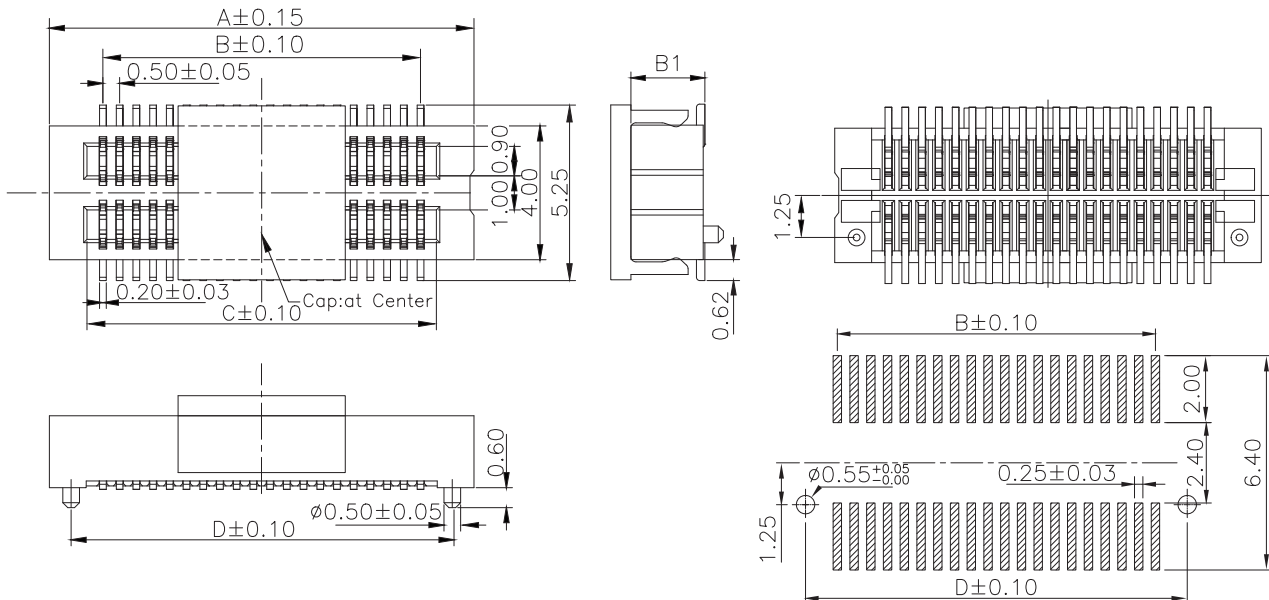
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min. at 100V DC
5. Withstanding Voltage : 100V AC for one minute
6. Operating Temperature Range : -20°C~+105°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Gold Plated

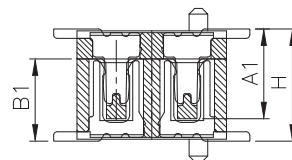
Detail Drawing



Total Height and Mating Dimension

P / N (Plug)	P / N (Socket)	Plug Height A1	Socket Height B1	Mating Height H
2000P-XXG-240-020	2001S-XXG-220-020	2.40	2.20	3.00
2000P-XXG-290-020	2001S-XXG-220-020	2.90	2.20	3.50
2000P-XXG-290-020	2001S-XXG-270-020	2.90	2.70	4.00
2000P-XXG-290-020	2001S-XXG-320-020	2.90	3.20	4.50
2000P-XXG-390-020	2001S-XXG-300-020	3.90	3.00	5.00
2000P-XXG-440-020	2001S-XXG-300-020	4.40	3.00	5.50
2000P-XXG-440-020	2001S-XXG-350-020	4.40	3.50	6.00

Recommended PCB Layout



Mating Height Drawing (Ref)

Ordering Information

2001S-XXG-XXX-020

- ① Socket ④ Height :
 ② No. of Contacts 220=2.20mm
 ③ Gold Plated 270=2.70mm
 300=3.00mm
 320=3.20mm
 350=3.50mm

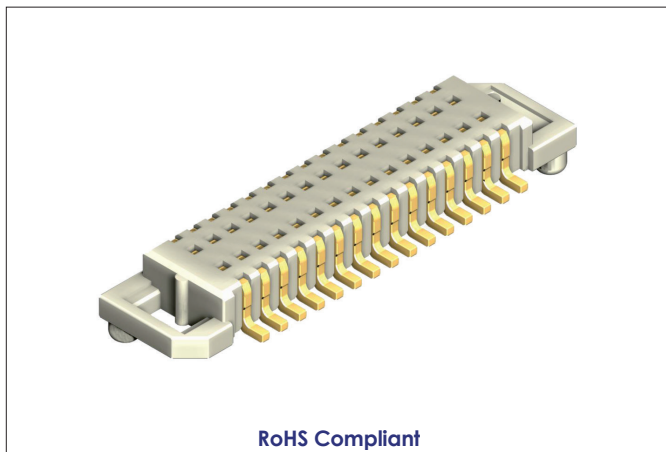
Engineering Dimension

Pin.No	A	B	C	D	Pin.No	A	B	C	D
10	5.20	2.00	2.96	3.90	60	17.70	14.50	15.46	16.40
12	5.70	2.50	3.46	4.40	70	20.20	17.00	17.96	18.90
20	7.70	4.50	5.46	6.40	80	22.70	19.50	20.46	21.40
30	10.20	7.00	7.96	8.90	90	25.20	22.00	22.96	23.90
40	12.70	9.50	10.46	11.40	100	27.70	24.50	25.46	26.40
50	15.20	12.00	12.96	13.90	120	32.70	29.50	30.46	31.40

0.5mm Board to Board Plug 2000P Series

2000P-XXG-120

UNIT : mm



► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 40m ohm. max
4. Insulation Resistance : 100M
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Gold Plated

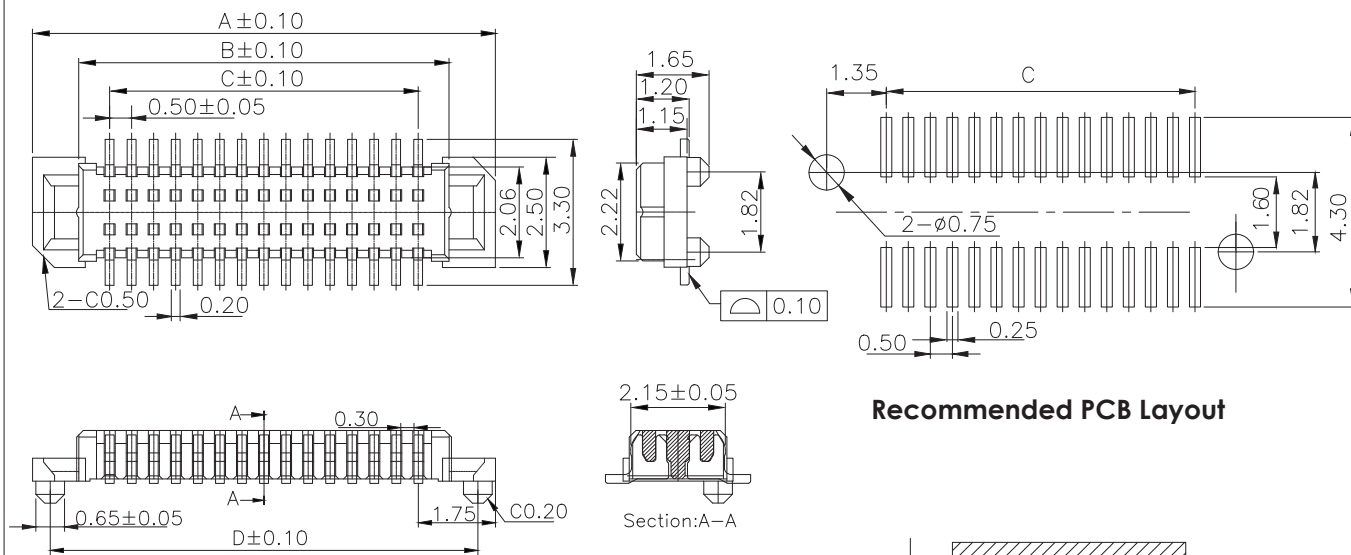
IDC

FPC & FFC

Wire To Board

Board To Board

Detail Drawing



Total Height and Mating Dimension

Stacking Height Variations	
	2000P-XXG-120
2001S-XXG-126	1.5

Mating Height Drawing (Ref)

Ordering Information

2000P-XXG-120

① ② ③ ④

- ① Plug
- ② No. of Contacts
- ③ Gold Plated
- ④ Height 1.20mm

Engineering Dimension

Pin.No	A	B	C	D
10	5.50	3.40	2.00	4.70
12	6.00	3.90	2.50	5.20
14	6.50	4.40	3.00	5.70
16	7.00	4.90	3.50	6.20
18	7.50	5.40	4.00	6.70
20	8.00	5.90	4.50	7.20
22	8.50	6.40	5.00	7.70
24	9.00	6.90	5.50	8.20
26	9.50	7.40	6.00	8.70
28	10.00	7.90	6.50	8.20
30	10.50	8.40	7.00	9.70

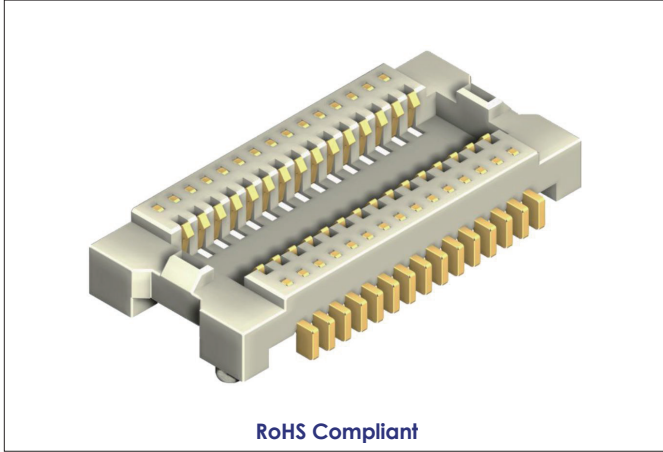
Pin.No	A	B	C	D
32	11.00	8.90	7.50	10.20
34	11.50	9.40	8.00	10.70
36	12.00	9.90	8.50	11.20
40	13.00	10.90	9.50	12.20
50	15.50	13.40	12.00	14.70
60	18.00	15.90	14.50	17.20
70	20.50	18.40	17.00	19.70
80	23.00	20.90	19.50	22.20
100	28.00	25.90	24.50	27.20
120	33.00	30.90	29.50	32.20



0.5mm Board to Board Socket 2001S Series

2001S-XXG-126

UNIT : mm



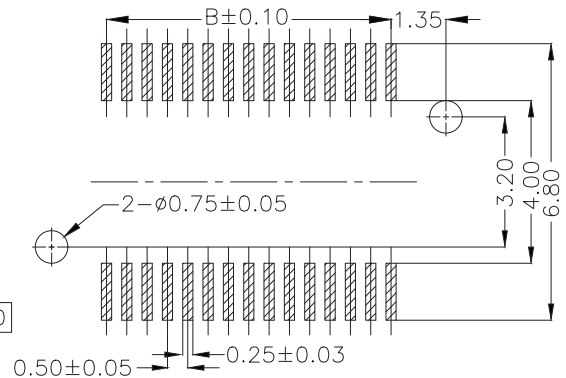
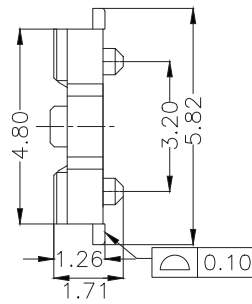
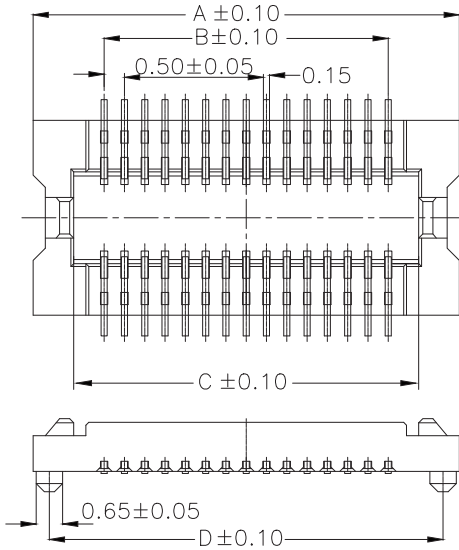
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 40m ohm. max
4. Insulation Resistance : 100M ohm. min. at 100V DC
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

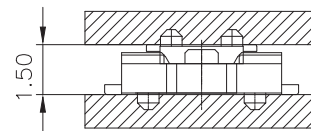
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Gold Plated

Detail Drawing



Recommended PCB Layout



Mating Height Drawing (Ref)

Total Height and Mating Dimension

Stacking Height Variations	
2000P-XXG-120	1.5
2001S-XXG-126	1.5

Ordering Information

2001S-XXG-126

① ② ③ ④

- ① Socket
- ② No. of Contacts
- ③ Gold Plated
- ④ Height 1.26mm

Engineering Dimension

Pin.No	A	B	C	D
10	5.50	2.00	3.50	4.70
12	6.00	2.50	4.00	5.20
14	6.50	3.00	4.50	5.70
16	7.00	3.50	5.00	6.20
18	7.50	4.00	5.50	6.70
20	8.00	4.50	6.00	7.20
22	8.50	5.00	6.50	7.70
24	9.00	5.50	7.00	8.20
26	9.50	6.00	7.50	8.70
28	10.00	6.50	8.00	9.20
30	10.50	7.00	8.50	9.70

Pin.No	A	B	C	D
32	11.00	7.50	9.00	10.20
34	11.50	8.00	9.50	10.70
36	12.00	8.50	10.00	11.20
40	13.00	9.50	11.00	12.20
50	15.50	12.00	13.50	14.70
60	18.00	14.50	16.00	17.20
70	20.50	17.00	18.50	19.70
80	23.00	19.50	21.00	22.20
100	28.00	24.50	26.00	27.20
120	33.00	29.50	31.00	32.20

IDC

FPC & FFC

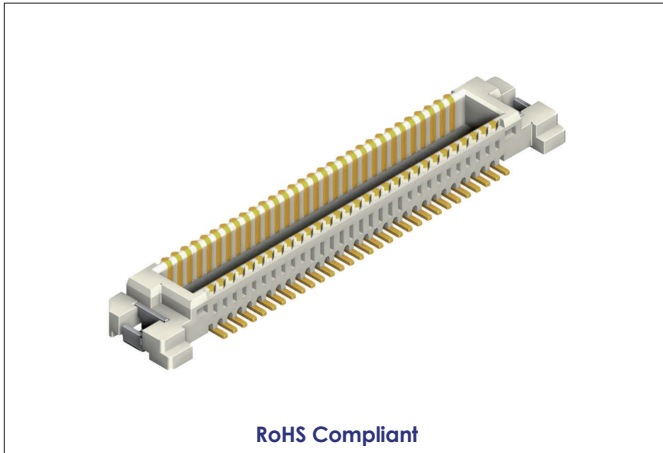
Wire To Board

Board To Board

0.635mm Board to Board Plug 2063P Series

2063P-XXG-245

UNIT : mm



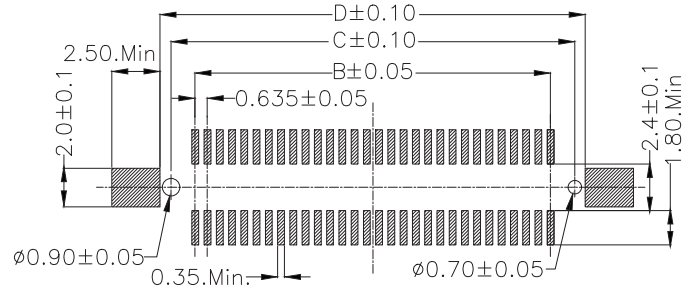
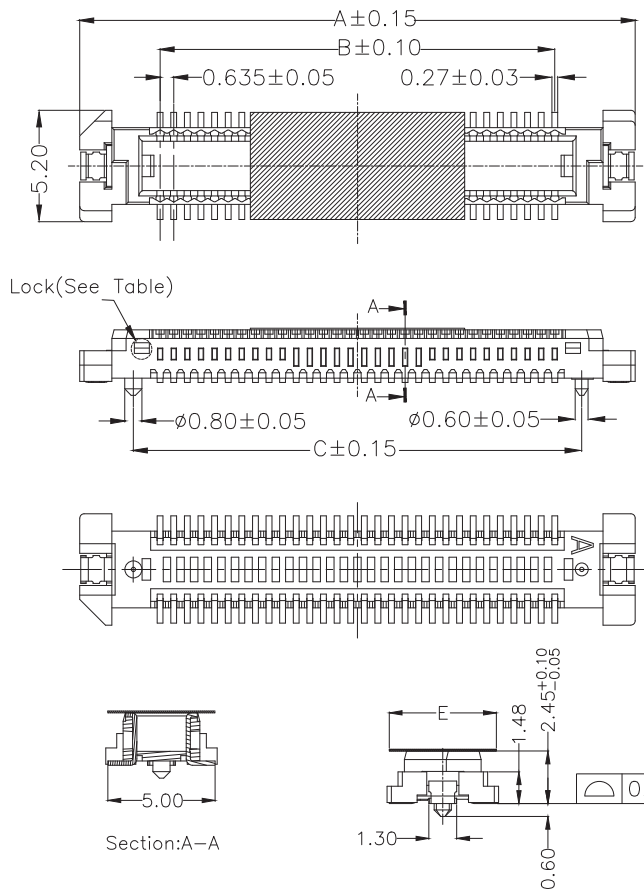
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 40m ohm. max
4. Insulation Resistance : 1000M ohm. min. at 100V DC
5. Withstanding Voltage : 250V AC for one minute
6. Operating Temperature Range : -55°C~+85°C

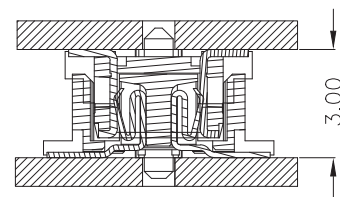
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Gold Plated
5. Metal Tab : Copper Alloy
6. Plating : Matte Tin Plated

Detail Drawing



Recommended PCB Layout



Mating Height Drawing (Ref)

Ordering Information

2063P-XXG-245

① ② ③ ④

- ① Plug
- ② No. of Contacts
- ③ Gold Plated
- ④ Height 2.45mm

Engineering Dimension

Pin.No	A	B	C	D	E	Lock
10	10.045	2.54	5.04	6.14	6	Yes
20	13.22	5.715	8.215	9.315	6	Yes
30	16.395	8.89	11.39	12.49	6	Yes
40	19.57	12.065	14.565	15.665	6	Yes
50	22.745	15.24	17.74	18.84	5	Yes
60	25.92	18.415	20.915	22.015	5	Yes
70	29.095	21.59	24.09	25.19	5	No
80	32.27	24.765	27.265	28.365	5	No

IDC

FPC & FFC

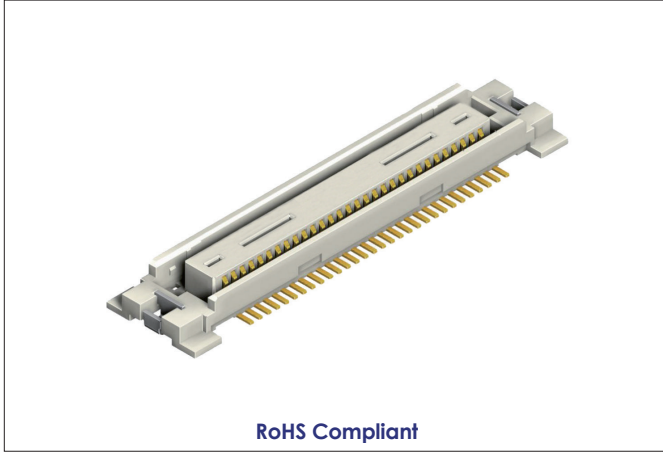
Wire To Board

Board To Board

0.635mm Board to Board Socket 2063S Series

2063S-XXG-232

UNIT : mm



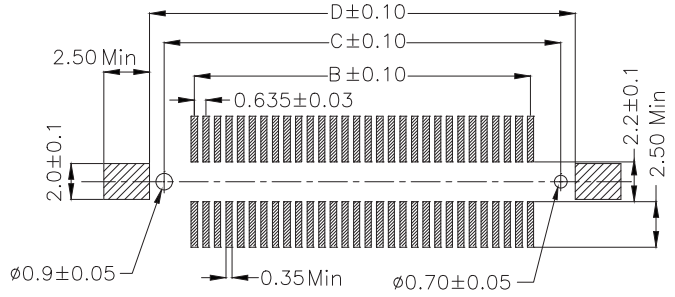
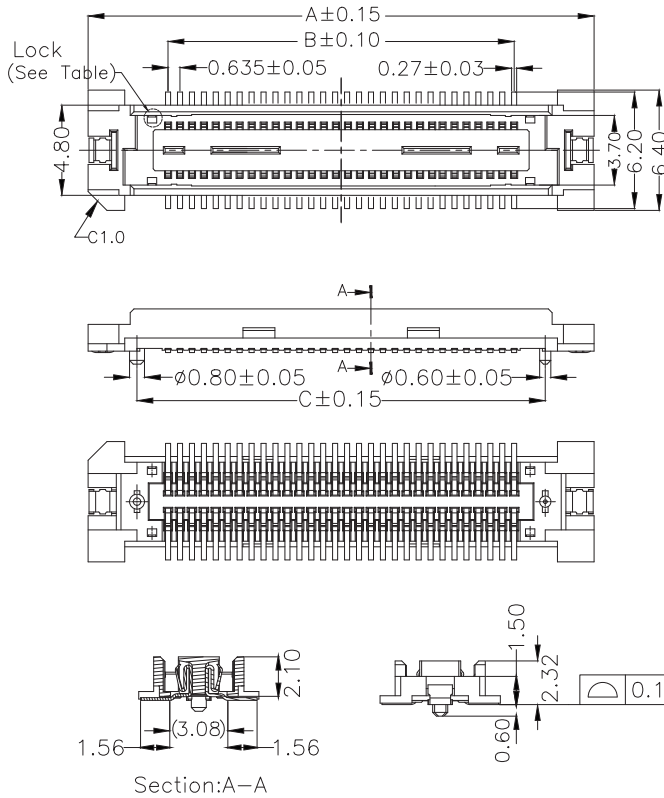
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 40m ohm. max
4. Insulation Resistance : 1000M ohm. min. at 100V DC
5. Withstanding Voltage : 250V AC for one minute
6. Operating Temperature Range : -55°C~+85°C

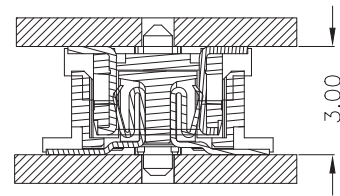
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Gold Plated
5. Metal Tab : Copper Alloy
6. Plating : Matte Tin Plated

Detail Drawing



Recommended PCB Layout



Mating Height Drawing (Ref)

Ordering Information

2063S-XXG-232

① ② ③ ④

- ① Socket
- ② No. of Contacts
- ③ Gold Plated
- ④ Height 2.32mm

Engineering Dimension

Pin.No	A	B	C	D
10	11.045	2.54	5.84	7.54
20	14.22	5.715	9.015	10.715
30	17.395	8.89	12.19	13.89
40	20.57	12.065	15.365	17.065
50	23.745	15.24	18.54	20.24
60	26.92	18.415	21.715	23.415
70	30.095	21.59	24.89	26.59
80	33.27	24.765	28.065	29.765

IDC

FPC & FFC

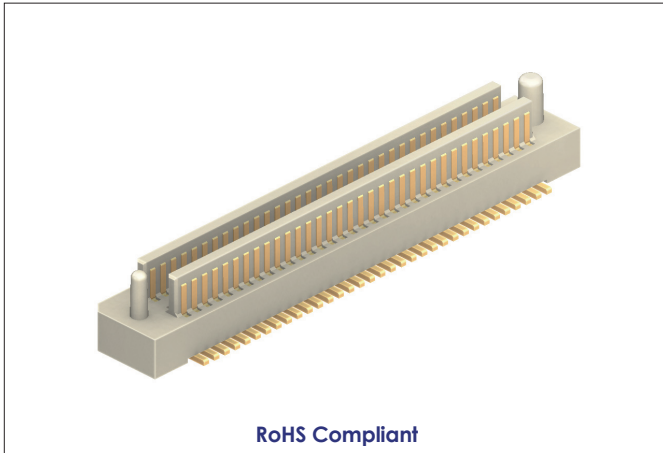
Wire To Board

Board To Board

0.635mm Board to Board Plug 2063P Series

2063P-XXSG-390020APG

UNIT : mm



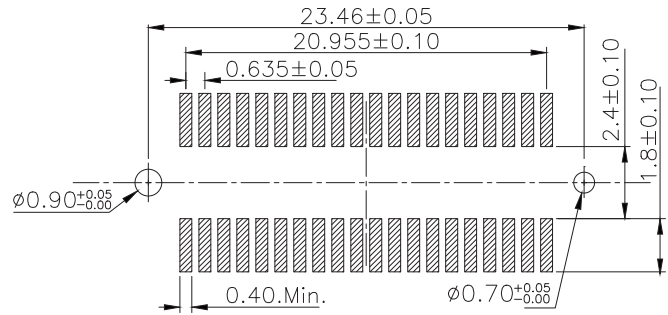
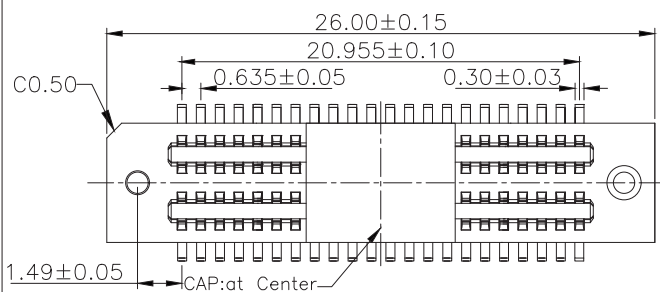
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min. at 100V DC
5. Withstanding Voltage : 100V AC for one minute
6. Operating Temperature Range : -20°C~+105°C

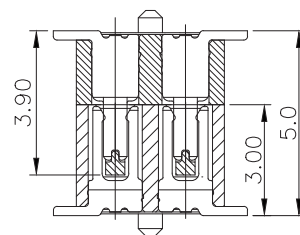
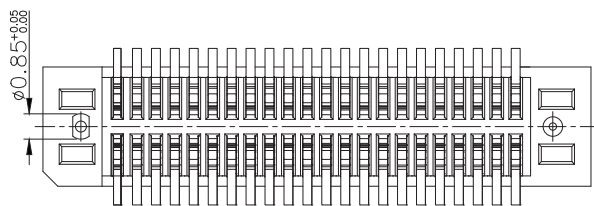
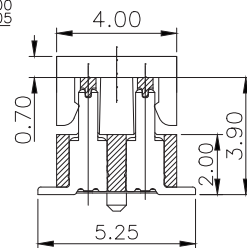
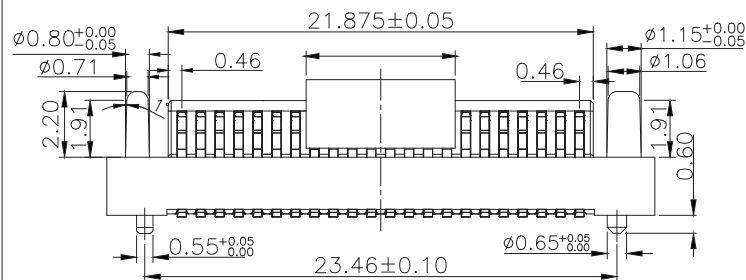
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Selective Gold Plated

Detail Drawing



Recommended PCB Layout



Mating Height Drawing (Ref)

Ordering Information

2063P-XXSG-390020APG

① ② ③ ④ ⑤ ⑥ ⑦

- | | |
|-------------------------|-------------------------|
| ① Plug | ⑤ 020 Type |
| ② No. of Contacts | ⑥ Terminal Thick 0.30mm |
| ③ Selective Gold Plated | ⑦ With Peg |
| ④ Height 3.90mm | |

IDC

FPC & FFC

Wire To Board

Board To Board

0.635mm Board to Board Socket 2063S Series

2063S-XXSG300020AHEM

UNIT : mm



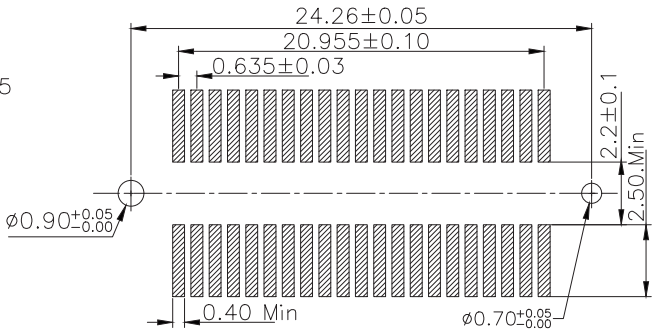
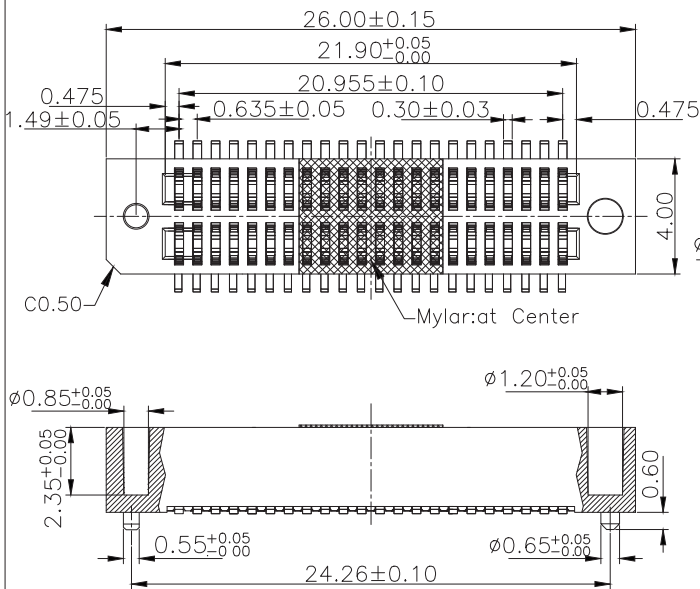
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min. at 100V DC
5. Withstanding Voltage : 100V AC for one minute
6. Operating Temperature Range : -20°C~+105°C

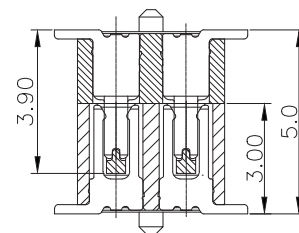
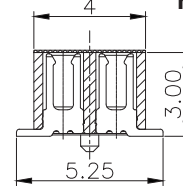
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Selective Gold Plated

Detail Drawing



Recommended PCB Layout



Mating Height Drawing (Ref)

Ordering Information

2063S-XXSG300020AHEM

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- | | |
|-------------------------|-------------------------|
| ① Socket | ⑤ 020 Type |
| ② No. of Contacts | ⑥ Terminal Thick 0.30mm |
| ③ Selective Gold Plated | ⑦ With Hole |
| ④ Height 3.00mm | ⑧ With Capton |

IDC

FPC & FFC

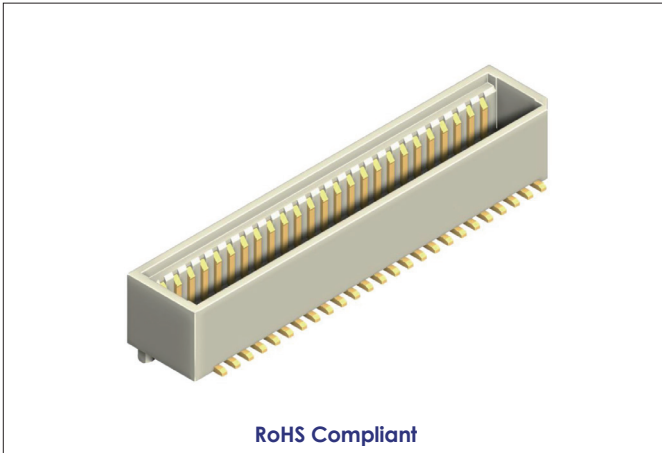
Wire To Board

Board To Board

0.8mm Board to Board Plug 2011 Series

2011-XXG-XXX

UNIT : mm



► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 40m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V (r.m.s) AC for one minute
6. Operating Temperature Range : -40°C~+105°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Gold Plated

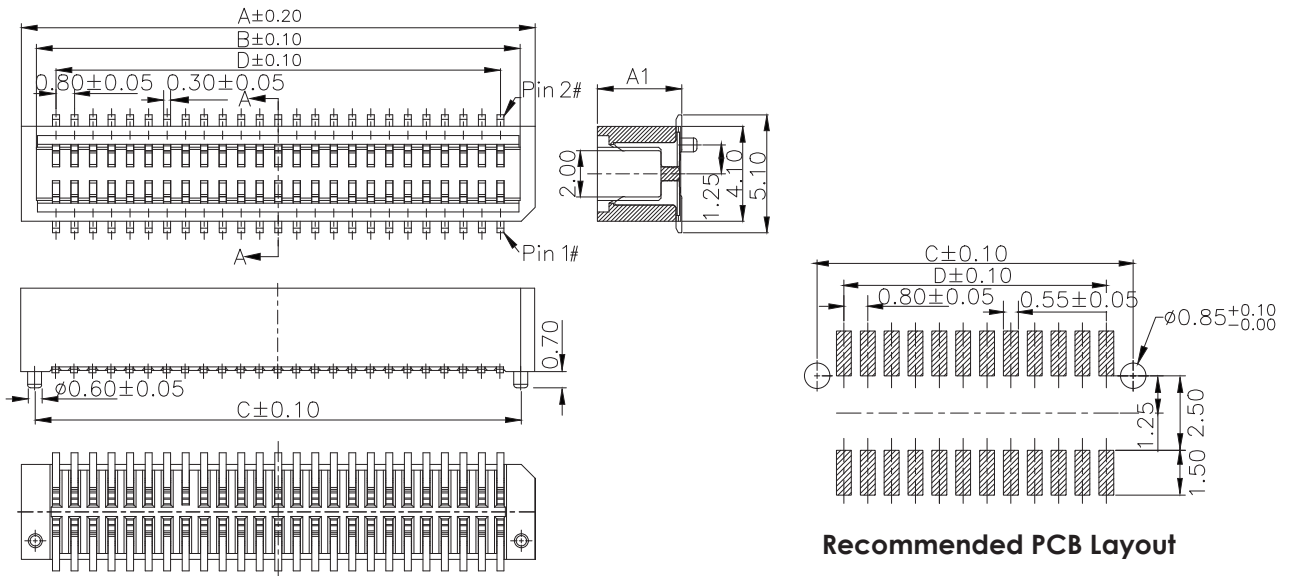
IDC

FPC & FFC

Wire To Board

Board To Board

Detail Drawing



Total Height and Mating Dimension

P/N(Plug)	P/N(Socket)	Plug Height A1	Socket Height B1	Mating Height H
2011-XXG-365	2010-XXG-355	3.65	3.55	4.50
2011-XXG-415	2010-XXG-355	4.15	3.55	5.00
2011-XXG-415	2010-XXG-405	4.15	4.05	5.50
2011-XXG-515	2010-XXG-355	5.15	3.55	6.00
2011-XXG-565	2010-XXG-355	5.65	3.55	6.50
2011-XXG-565	2010-XXG-405	5.65	4.05	7.00

Recommended PCB Layout

Mating Height Drawing (Ref)

Ordering Information

2011-XXG-XXX

- ① No. of Contacts ③ Height : 365=3.65mm
 ② Gold Plated 415=4.15mm
 515=5.15mm
 565=5.65mm

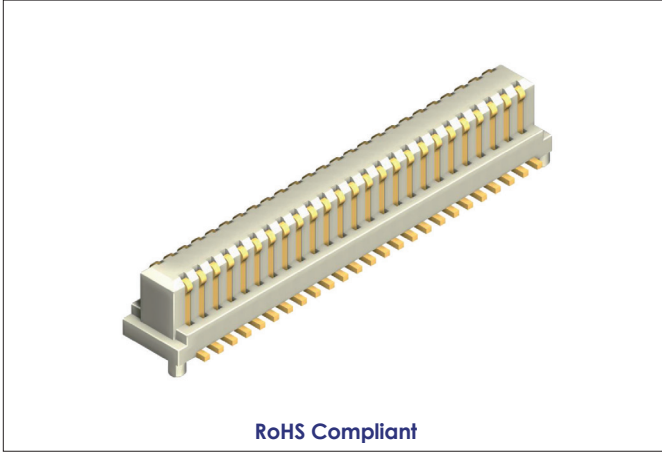
Engineering Dimension

Pin. No	A	B	C	D	Pin. No	A	B	C	D
10	6.20	4.90	5.00	3.20	36	16.60	15.30	15.40	13.60
14	7.80	6.50	6.60	4.80	40	18.20	16.90	17.00	15.20
16	8.60	7.30	7.40	5.60	50	22.20	20.90	21.00	19.20
20	10.20	8.90	9.00	7.20	68	26.20	24.90	25.00	23.20
24	11.80	10.50	10.60	8.80	90	38.20	36.90	37.00	35.20
30	14.20	12.90	13.00	11.20	100	42.20	40.90	41.00	39.20

0.8mm Board to Board Socket 2010 Series

2010-XXG-XXX

UNIT : mm



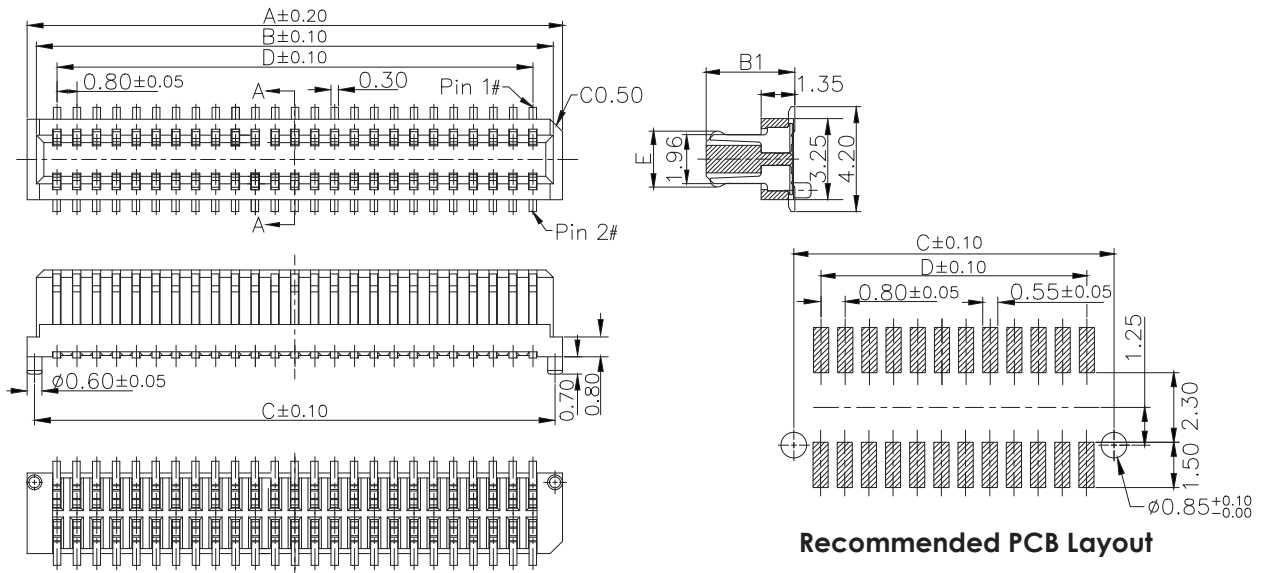
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 40m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V (r.m.s) AC for one minute
6. Operating Temperature Range : -40°C~+105°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Gold Plated

Detail Drawing



Total Height and Mating Dimension

P/N(Plug)	P/N(Socket)	Plug Height A1	Socket Height B1	Mating Height H
2011-XXG-365	2010-XXG-355	3.65	3.55	4.50
2011-XXG-415	2010-XXG-355	4.15	3.55	5.00
2011-XXG-415	2010-XXG-405	4.15	4.05	5.50
2011-XXG-515	2010-XXG-355	5.15	3.55	6.00
2011-XXG-565	2010-XXG-355	5.65	3.55	6.50
2011-XXG-565	2010-XXG-405	5.65	4.05	7.00

Ordering Information

2010-XXG-XXX

① ② ③

- ① No. of Contacts
- ② Gold Plated
- ③ Height : 355=3.55mm
405=4.05mm

Engineering Dimension

Pin. No	A	B	C	D	Pin. No	A	B	C	D
10	6.20	4.90	5.00	3.20	36	16.60	15.30	15.40	13.60
14	7.80	6.50	6.60	4.80	40	18.20	16.90	17.00	15.20
16	8.60	7.30	7.40	5.60	50	22.20	20.90	21.00	19.20
20	10.20	8.90	9.00	7.20	68	26.20	24.90	25.00	23.20
24	11.80	10.50	10.60	8.80	90	38.20	36.90	37.00	35.20
30	14.20	12.90	13.00	11.20	100	42.20	40.90	41.00	39.20

IDC

FPC & FFC

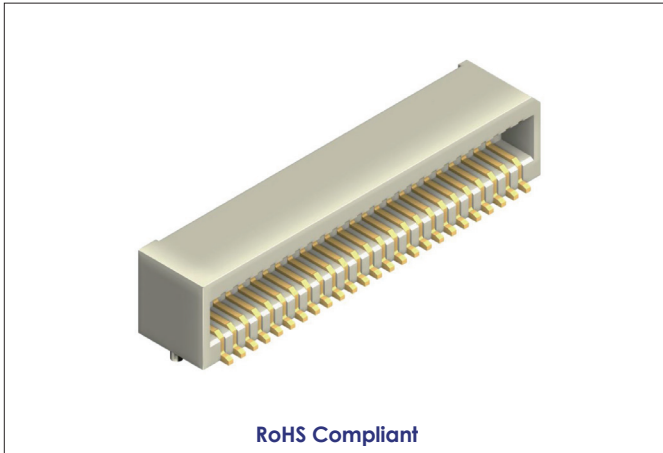
Wire To Board

Board To Board

0.8mm Board to Board Plug 2011R Series

2011R-XXG-XXX-PC

UNIT : mm



► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 40m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V (r.m.s) AC for one minute
6. Operating Temperature Range : -40°C~+105°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Gold Plated

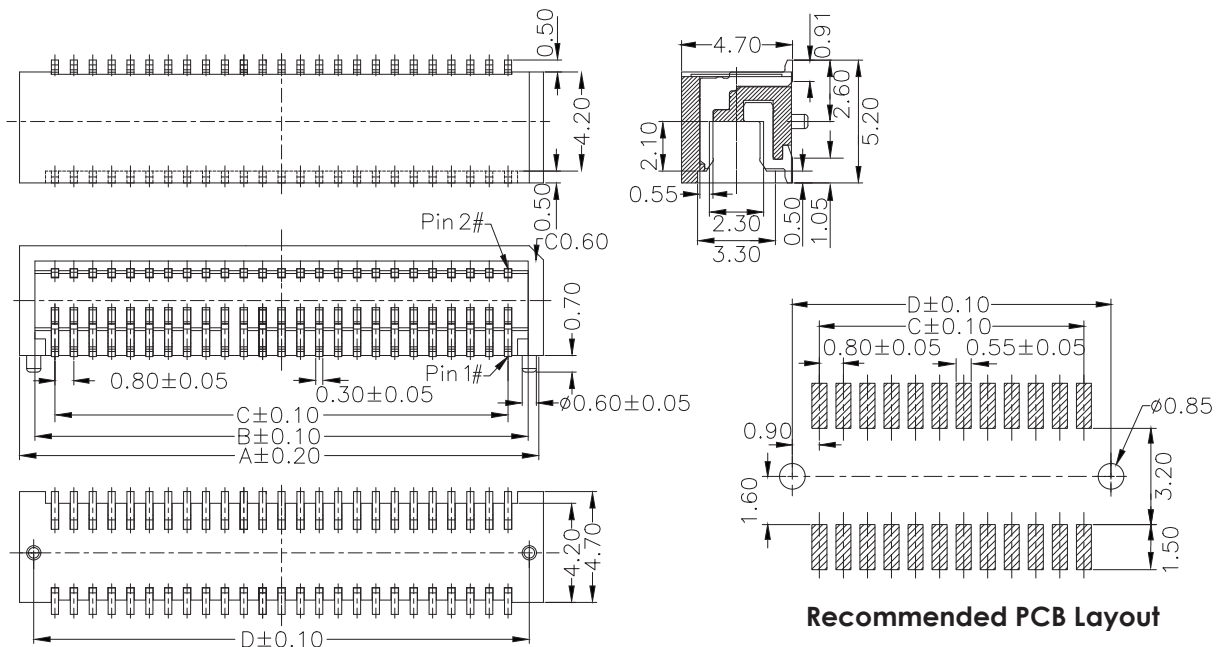
IDC

FPC & FFC

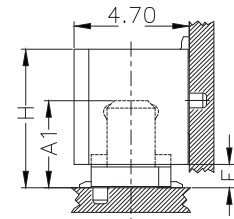
Wire To Board

Board To Board

Detail Drawing



Recommended PCB Layout



Mating Height Drawing (Ref)

Total Height and Mating Dimension

P/N(Plug)	P/N(Socket)	Socket Height A1	Mating Height H	Mating Height E
2011R-XXG-470-PC	2010-XXG-355	3.55	5.65	0.95
2011R-XXG-470-PC	2010-XXG-405	4.05	6.15	1.45

Ordering Information

2011R-XXG-XXX-PC

① ② ③ ④ ⑤

- ① Right Angle
- ② No. of Contacts
- ③ Gold Plated
- ④ Height 4.70mm
- ⑤ Post in the Center

Engineering Dimension

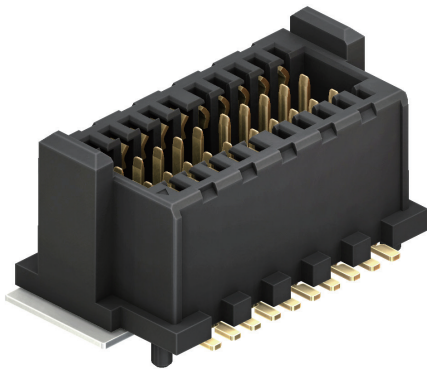
Pin. No	A	B	C	D	Pin. No	A	B	C	D
10	6.20	4.90	3.20	5.00	36	16.60	15.30	13.60	15.40
14	7.80	6.50	4.80	6.60	40	18.20	16.90	15.20	17.00
16	8.60	7.30	5.60	7.40	50	22.20	20.90	19.20	21.00
20	10.20	8.90	7.20	9.00	60	26.20	24.90	23.20	25.00
24	11.80	10.50	8.80	10.60	90	38.20	36.90	35.20	37.00
30	14.20	12.90	11.20	13.00	100	42.20	40.90	39.20	41.00



0.8mm Board to Board Plug 2011 Series

2011-XXX-CXXX

UNIT : mm



RoHS Compliant

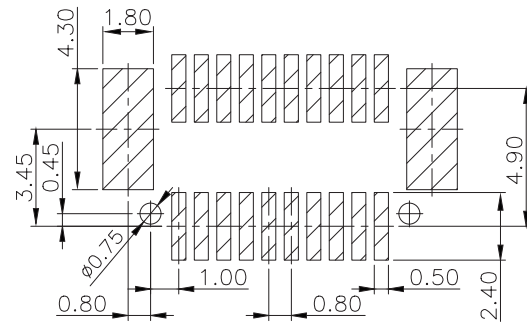
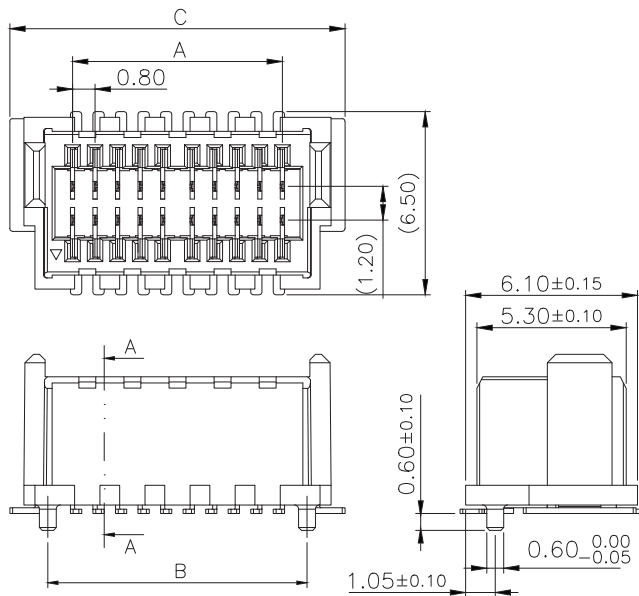
► Specifications

1. Current Rating : 1.7A AC/DC
2. Voltage Rating : 500V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 5G ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -55°C~+125°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Contact : Phosphor Bronze
4. Plated : Gold Plated

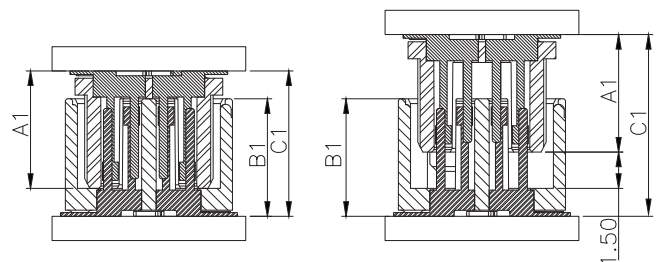
Detail Drawing



Recommended PCB Layout

Total Height and Mating Dimension

P/N(Plug)	P/N(Socket)	Plug Height A1	Socket Height B1	Mating Height C1
2011-XXX-C485	2010-XXX-C485	4.85	4.85	6 to 7.5
2011-XXX-C635	2010-XXX-C485	6.35	4.85	7.5 to 9
2011-XXX-C485	2010-XXX-C785	4.85	7.85	9 to 10.5
2011-XXX-C635	2010-XXX-C785	6.35	7.85	10.5 to 12



Mating Height Drawing (Ref)

Ordering Information

2011-XXX-CXXX

- ① No. of Contacts
 ② G : Gold Plated
 SG : Selective Gold Plated
 ③ Height : C485=4.85mm
 C635=6.35mm

Engineering Dimension

Pin.No	A	B	C
12	4.25	6.00±0.15	8.70±0.15
20	7.45	9.20±0.15	11.90±0.15
32	12.25	14.00±0.15	16.70±0.15
52	20.25	22.00±0.20	24.70±0.20
60	31.45	33.20±0.20	35.90±0.20

IDC

FPC & FFC

Wire To Board

Board To Board

0.8mm Board to Board Socket 2010 Series

2010-XXX-CXXX

UNIT : mm



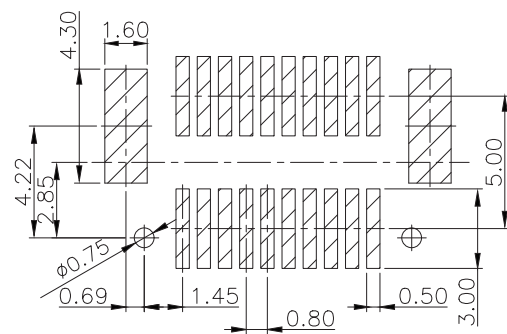
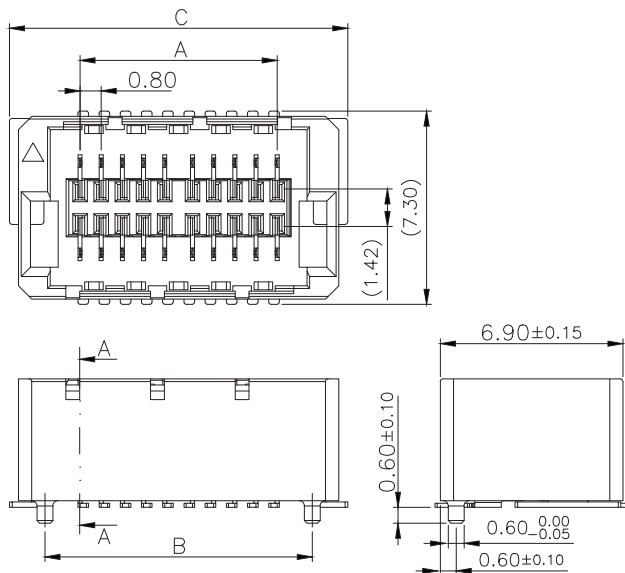
► Specifications

1. Current Rating : 1.7A AC/DC
2. Voltage Rating : 500V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 5G ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -55°C~+125°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Contact : Phosphor Bronze
4. Plated : Gold Plated

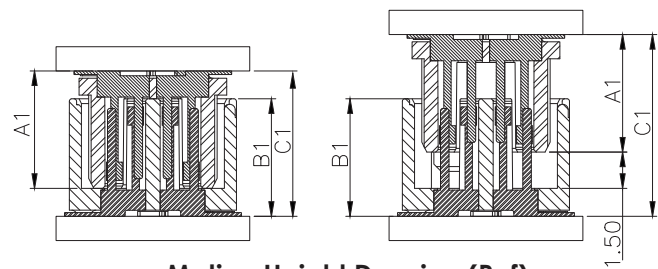
Detail Drawing



Recommended PCB Layout

Total Height and Mating Dimension

P/N(Plug)	P/N(Socket)	Plug Heigt A1	Socket Heigt B1	Mating Heigt C1
2011-XXX-C485	2010-XXX-C485	4.85	4.85	6 to 7.5
2011-XXX-C635	2010-XXX-C485	6.35	4.85	7.5 to 9
2011-XXX-C485	2010-XXX-C785	4.85	7.85	9 to 10.5
2011-XXX-C635	2010-XXX-C785	6.35	7.85	10.5 to 12



Mating Height Drawing (Ref)

Ordering Information

2010-XXX-CXXX

① ② ③

- ① No. of Contacts
- ② G : Gold Plated
SG : Selective Gold Plated
- ③ Height : C485=4.85mm
C785=7.85mm

Engineering Dimension

Pin.No	A	B	C
12	4.25	6.90±0.15	9.58±0.15
20	7.45	10.10±0.15	12.78±0.15
32	12.25	14.90±0.15	17.58±0.15
52	20.25	22.90±0.20	25.58±0.20
60	31.45	34.10±0.20	36.78±0.20

IDC

FPC & FFC

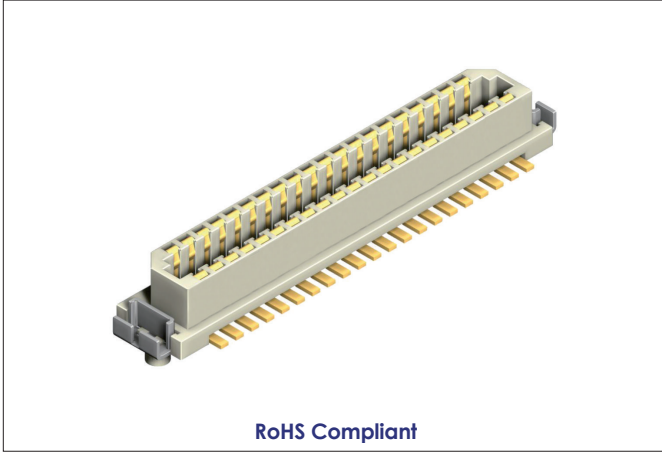
Wire To Board

Board To Board

1.0mm Board to Board Socket 2005S Series

2005S-XXG-335-XX

UNIT : mm



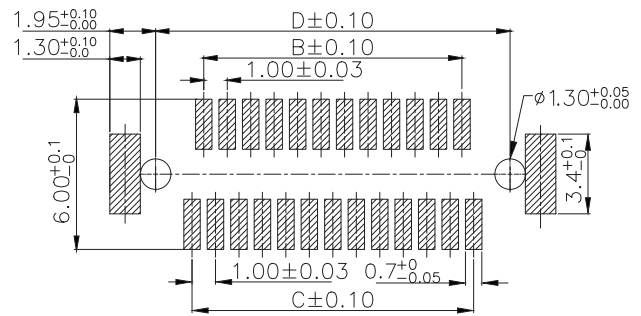
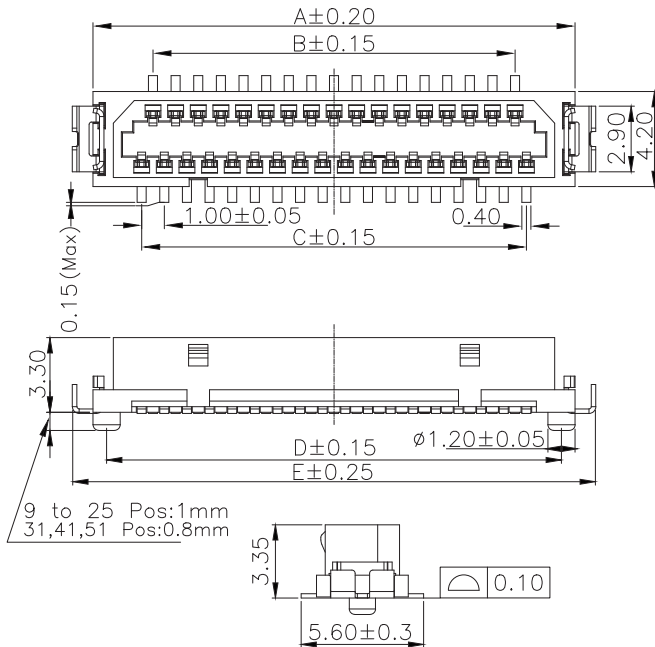
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 150V AC/DC
3. Contact Resistance : 50m ohm. max
4. Insulation Resistance : 500M ohm. min. at 100V DC
5. Withstanding Voltage : 250V AC for one minute
6. Operating Temperature Range : -20°C~+105°C

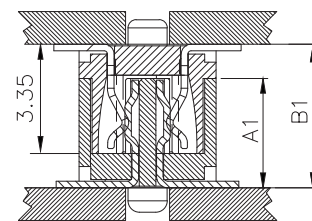
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Finish : Gold or Tin Plated
5. Metal Tab : Brass Matte , Tin Plated

Detail Drawing



Recommended PCB Layout



Mating Height Drawing (Ref)

Total Height and Mating Dimension

Pin.No(Plug)	Pin.No(Socket)	Plug Height A1	Mating Height B1
2005P-XXG-335	2005S-XXG-335	3.35	4.50
2005P-XXG-435	2005S-XXG-335	4.35	5.50
2005P-XXG-485	2005S-XXG-335	4.85	6.00

Ordering Information

2005S-XXG-335-XX

- ① Socket ⑤ Blank : With Metal Tab & Post
 ② No. of Contacts 01 : Without Metal Ear & With Post
 ③ T: Tin Plated 02 : Without Post & With Metal Ear
 G: Gold Plated 0101 : Without Metal Ear & Post
 ④ Height 3.35mm

Engineering Dimension

Pin.No	A	B	C	D	E	Pin.No	A	B	C	D	E
09	8.30	3.00	4.00	7.10	10.1	21	14.30	9.00	10.00	13.10	16.1
11	9.30	4.00	5.00	8.10	11.1	23	15.30	10.00	11.00	14.10	17.1
13	10.30	5.00	6.00	9.10	12.1	25	16.30	11.00	12.00	15.10	18.1
15	11.30	6.00	7.00	10.10	13.1	31	19.30	14.00	15.00	18.10	21.1
17	12.30	7.00	8.00	11.10	14.1	41	24.30	19.00	20.00	23.10	26.1
19	13.30	8.00	9.00	12.10	15.1	51	29.30	24.00	25.00	28.10	31.1

IDC

FPC & FFC

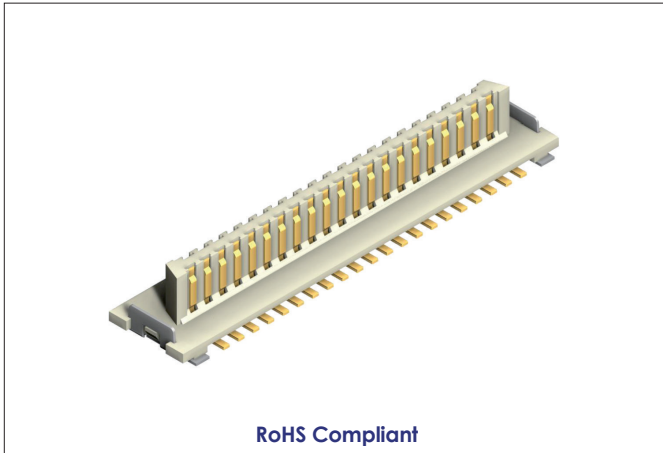
Wire To Board

Board To Board

1.00mm Board to Board Plug 2005P Series

2005P-XXG-XXX-CR

UNIT : mm



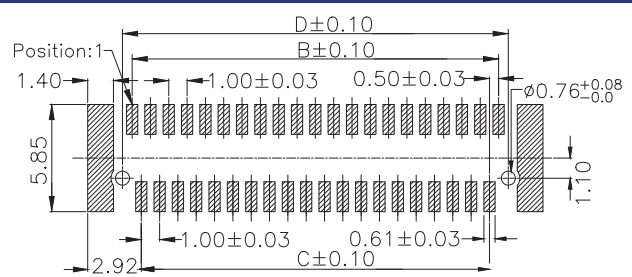
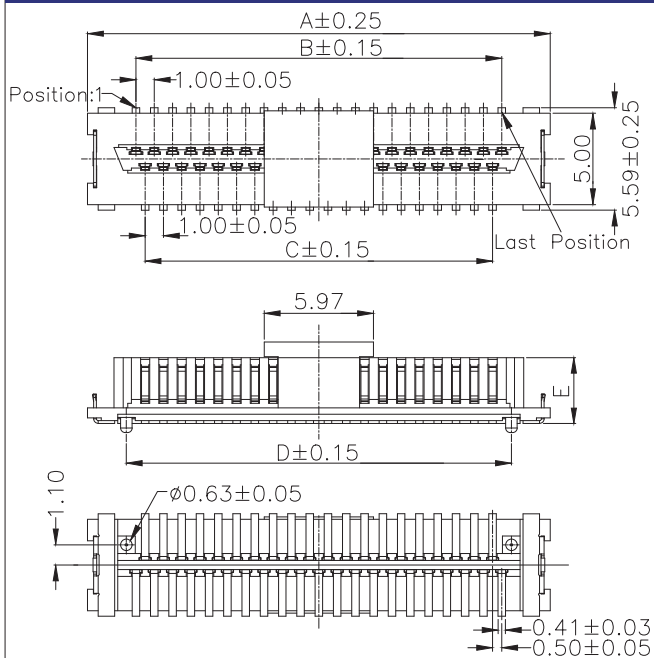
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 150V AC/DC
3. Contact Resistance : 50m ohm. max
4. Insulation Resistance : 500M ohm. min. at 100V DC
5. Withstanding Voltage : 250V AC for one minute
6. Operating Temperature Range : -20°C~+105°C

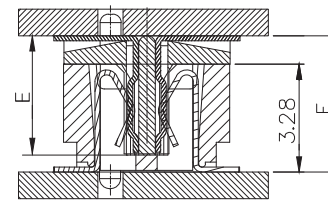
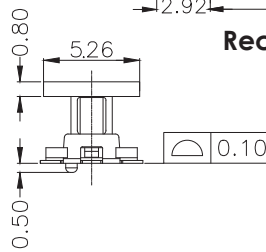
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Finish : Gold Plated over Nickel
Contact area Gold Plated
5. Metal Tab : Brass Matte , Tin Plated

Detail Drawing



Recommended PCB Layout



Mating Height Drawing (Ref)

Total Height and Mating Dimension

P/N(Plug)	P/N(Socket)	Plug Height E	Mating Height F
2005P-XXG-359	2005S-XXG-328	3.59	4.15
2005P-XXG-396	2005S-XXG-328	3.96	4.50
2005P-XXG-446	2005S-XXG-328	4.46	5.00
2005P-XXG-496	2005S-XXG-328	4.96	5.50
2005P-XXG-545	2005S-XXG-328	5.45	6.00
2005P-XXG-645	2005S-XXG-328	6.45	7.00
2005P-XXG-696	2005S-XXG-328	6.96	7.52

Ordering Information

2005P-XXG-XXX-CR

- ① Plug ④ Height :
- ② No. of Contacts 359=3.59mm,396=3.96mm,
446=4.46mm,496=4.96mm,
③ Gold Plated 545=5.45mm,645=6.45mm,
696=6.96mm

Engineering Dimension

Pin.No	A	B	C	D
09	9.30	4.00	3.00	5.055
11	10.30	5.00	4.00	6.045
15	12.30	7.00	6.00	8.052
21	15.30	10.00	9.00	11.049
25	17.30	12.00	11.00	13.056
31	20.30	15.00	14.00	16.053
41	25.30	20.00	19.00	21.057
51	30.30	25.00	24.00	26.060
69	39.30	34.00	33.00	35.052

IDC

FPC & FFC

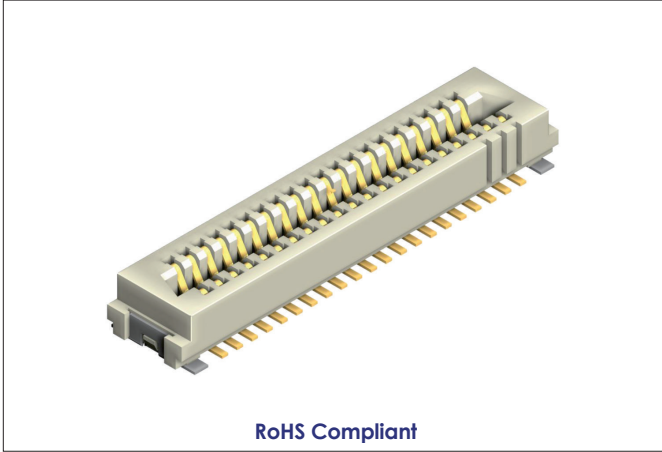
Wire to Board

Board To Board

1.00mm Board to Board Socket 2005S Series

2005S-XXG-XXX-CR

UNIT : mm



► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 150V AC/DC
3. Contact Resistance : 50m ohm. max
4. Insulation Resistance : 500M ohm. min. at 100V DC
5. Withstanding Voltage : 250V AC for one minute
6. Operating Temperature Range : -20°C~+105°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Finish : Gold Plated over Nickel
Contact area Gold Plated
5. Metal Tab : Brass Matte , Tin Plated

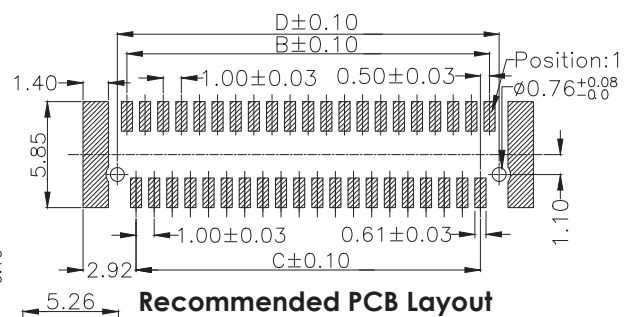
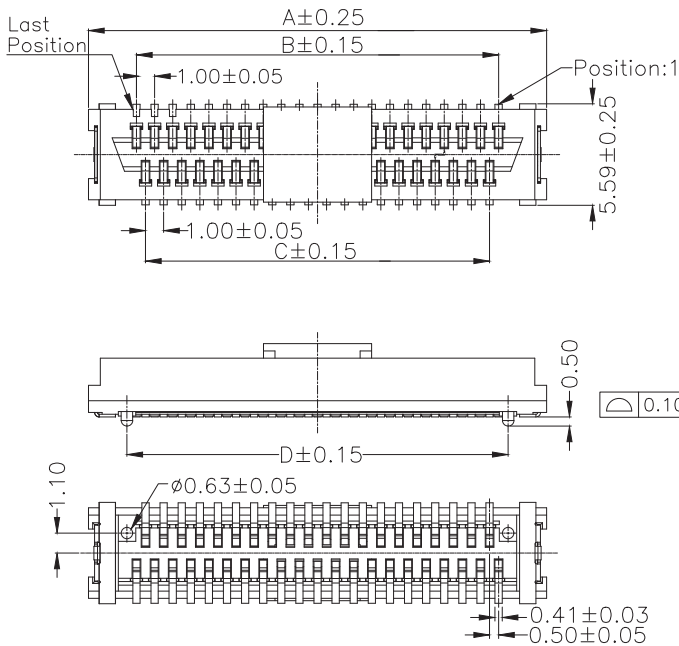
IDC

FPC & FFC

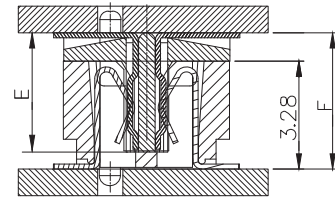
Wire To Board

Board To Board

Detail Drawing



Recommended PCB Layout



Mating Height Drawing (Ref)

Total Height and Mating Dimension

P/N(Plug)	P/N(Socket)	Plug Height E	Mating Height F
2005P-XXG-359	2005S-XXG-328	3.59	4.15
2005P-XXG-396	2005S-XXG-328	3.96	4.50
2005P-XXG-446	2005S-XXG-328	4.46	5.00
2005P-XXG-496	2005S-XXG-328	4.96	5.50
2005P-XXG-545	2005S-XXG-328	5.45	6.00
2005P-XXG-645	2005S-XXG-328	6.45	7.00
2005P-XXG-696	2005S-XXG-328	6.96	7.52

Ordering Information

2005S-XXG-XXX-CR

① ② ③ ④

- ① Socket
- ② No. of Contacts
- ③ Gold Plated
- ④ Height 3.28mm

Engineering Dimension

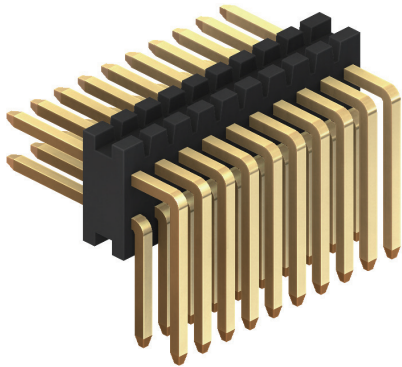
Pin.No	A	B	C	D
09	9.30	4.00	3.00	5.055
11	10.30	5.00	4.00	6.045
15	12.30	7.00	6.00	8.052
21	15.30	10.00	9.00	11.049
25	17.30	12.00	11.00	13.056
31	20.30	15.00	14.00	16.053
41	25.30	20.00	19.00	21.057
51	30.30	25.00	24.00	26.060
69	39.30	34.00	33.00	35.052



0.8 X 1.20mm Pin Header Double Rows Right Angle Type

2019RB-XXX-BK-290324

UNIT : mm



RoHS Compliant

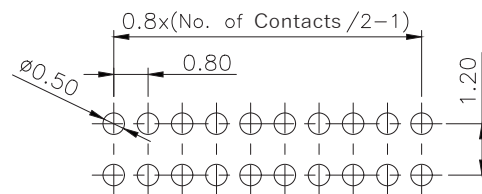
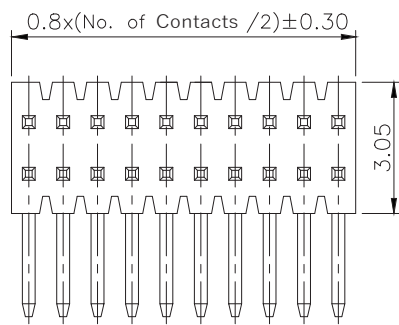
► Specifications

1. Current Rating : 0.75A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 1000M ohm. min
5. Withstanding Voltage : 1000V AC for one minute
6. Operating Temperature Range : -40°C~+125°C

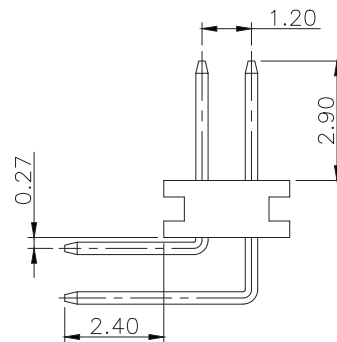
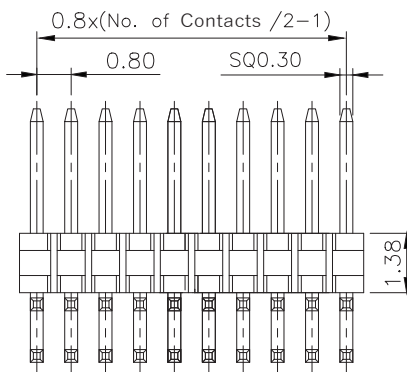
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Contact : Brass
4. Plated : Gold or Tin Plated

Detail Drawing



Recommended PCB Layout



Ordering Information

2019RB-XXX-BK-290324

① ② ③ ④ ⑤

- ① Right Angle & Double Rows
- ② No. of Contacts
- ③ G : Gold Plated
T : Tin Plated
- ④ Black
- ⑤ Length

IDC

FPC & FFC

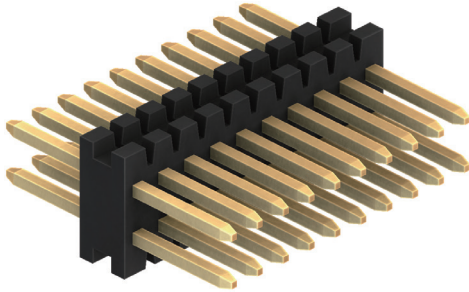
Wire To Board

Board To Board

0.8 X 1.20mm Pin Header Straight Double Rows

2019SB-XXX-BK-698

UNIT : mm



RoHS Compliant

► Specifications

1. Current Rating : 0.75A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 1000M ohm. min
5. Withstanding Voltage : 1000V AC for one minute
6. Operating Temperature Range : -40°C~+125°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
Standard Color : Black
2. Contact : Brass
3. Plated : Gold or Tin Plated

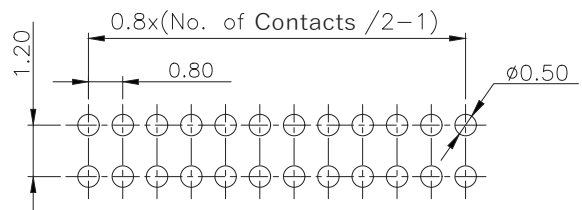
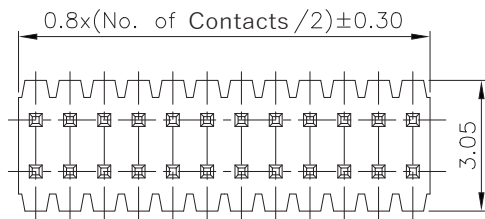
IDC

FPC & FFC

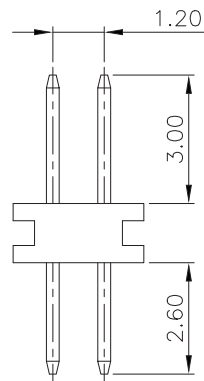
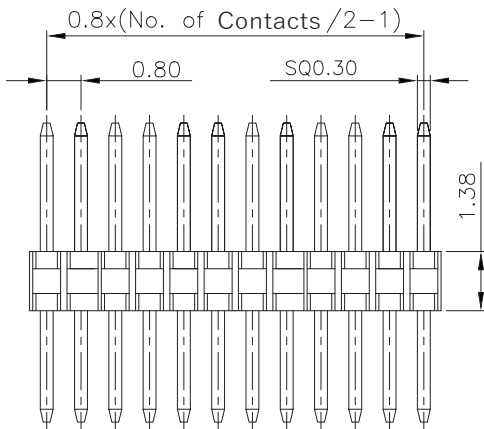
Wire To Board

Board To Board

Detail Drawing



Recommended PCB Layout



Ordering Information

2019SB-XXX-BK-698

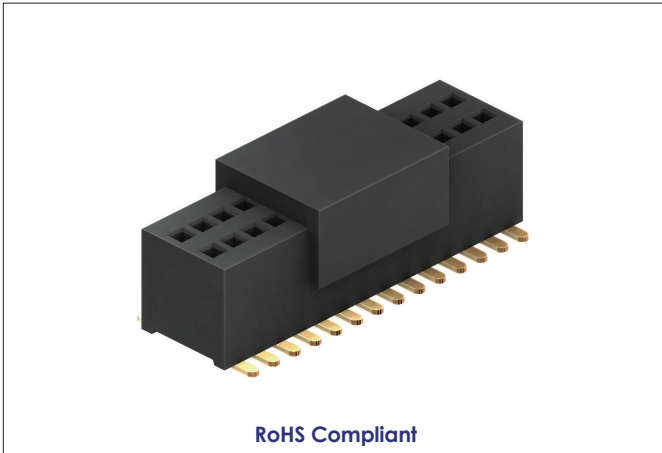
- ① ② ③ ④ ⑤

- ① Straight & Double Rows
- ② No. of Contacts
- ③ G : Gold Plated
T : Tin Plated
- ④ Black
- ⑤ Length

0.8 X 1.20mm PCB Socket SMD Type Double Rows

2020SB-XXX-SM-33-PCR

UNIT : mm



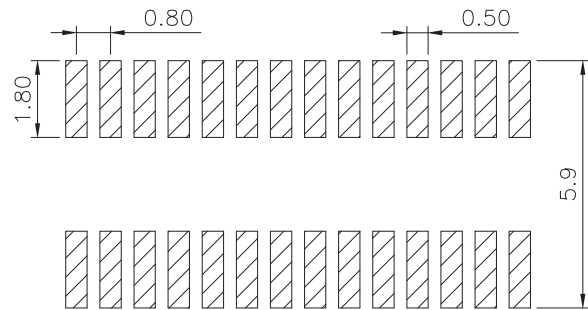
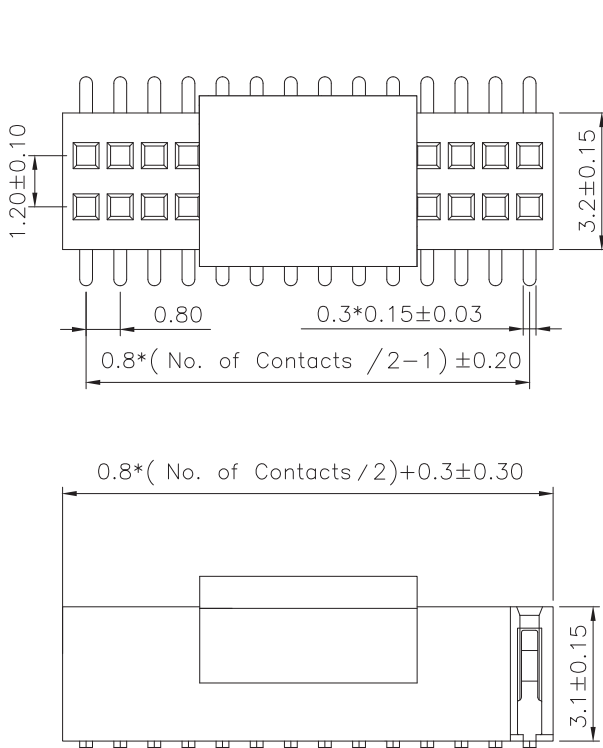
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 1000M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -40°C~+125°C

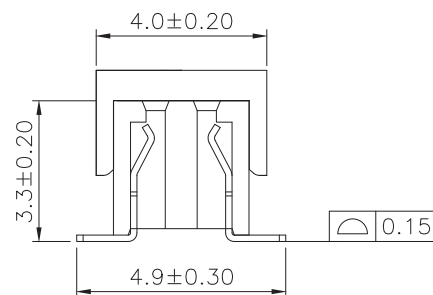
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Contact : Phosphor Bronze
4. Plated : Gold or Tin or Selective Gold Plated

Detail Drawing



Recommended PCB Layout



Ordering Information

2020SB-XXX-SM-33-PCR

① ② ③ ④ ⑤ ⑥

- ① Straight & Double Rows
- ② No. of Contacts
- ③ G : Gold Plated
T : Tin Plated
SG: Selective Gold Plated
- ④ SMD
- ⑤ Height 3.3mm
- ⑥ Plastic Cap + Tape & Reel

IDC

FPC & FFC

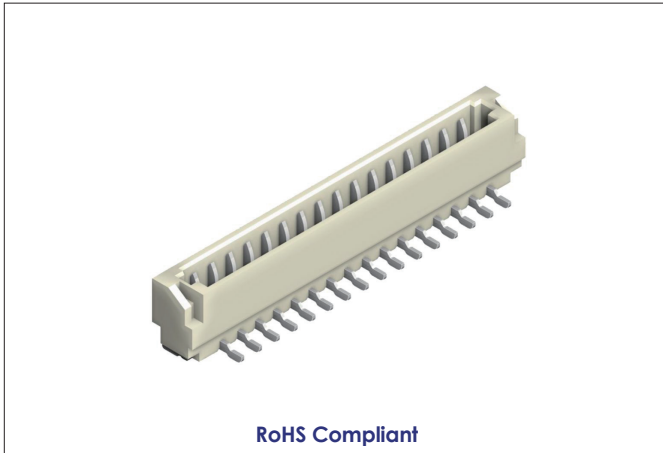
Wire To Board

Board To Board

0.80mm Wire to Board Wafer Straight SMD Type

1700S-XXX-SM

UNIT : mm



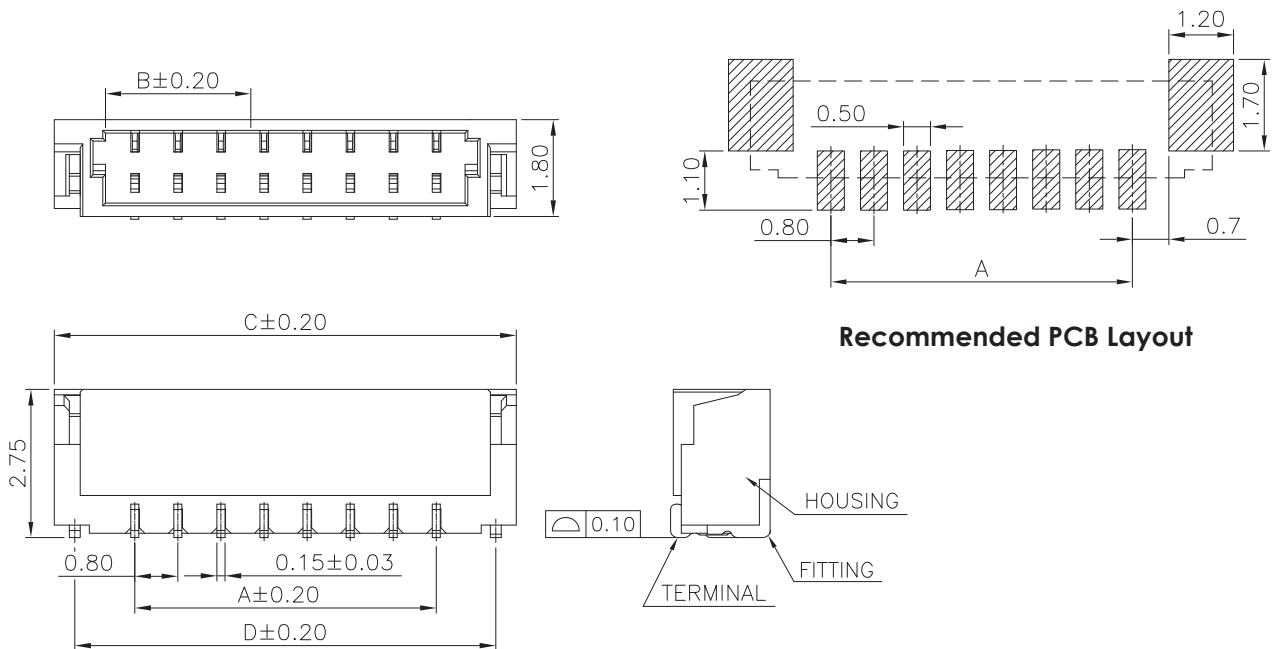
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 30V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 200V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Contact : Phosphor Bronze
3. Plated : Gold or Tin Plated

Detail Drawing



Ordering Information

1700S-XXX-SM

① ② ③ ④

- ① Straight
- ② No. of Contacts
- ③ G : Gold Plated
T : Tin Plated
- ④ SMD

Engineering Dimension

Pin. No	A	B	C	D	Pin. No	A	B	C	D
2	0.80	1.90	3.78	3.04	14	10.40	11.50	13.38	12.64
3	1.60	2.70	4.58	3.84	15	11.20	12.30	14.18	13.44
4	2.40	3.50	5.38	4.64	16	12.00	13.10	14.98	14.24
5	3.20	4.30	6.18	5.44	17	12.80	13.90	15.78	15.04
6	4.00	5.10	6.98	6.24	18	13.60	14.70	16.58	15.84
7	4.80	5.90	7.78	7.04	19	14.40	15.50	17.38	16.64
8	5.60	6.70	8.58	7.84	20	15.20	16.30	18.18	17.44
9	6.40	7.50	9.38	8.64	21	16.00	17.10	18.98	18.24
10	7.20	8.30	10.18	9.44	22	16.80	17.90	19.78	19.04
11	8.00	9.10	10.98	10.24	23	17.60	18.70	20.58	19.84
12	8.80	9.90	11.78	11.04	24	18.40	19.50	21.38	20.64
13	9.60	10.70	12.58	11.84					

0.80mm Wire to Board Right Angle SMD Type

1700R-XXX-SM

UNIT : mm



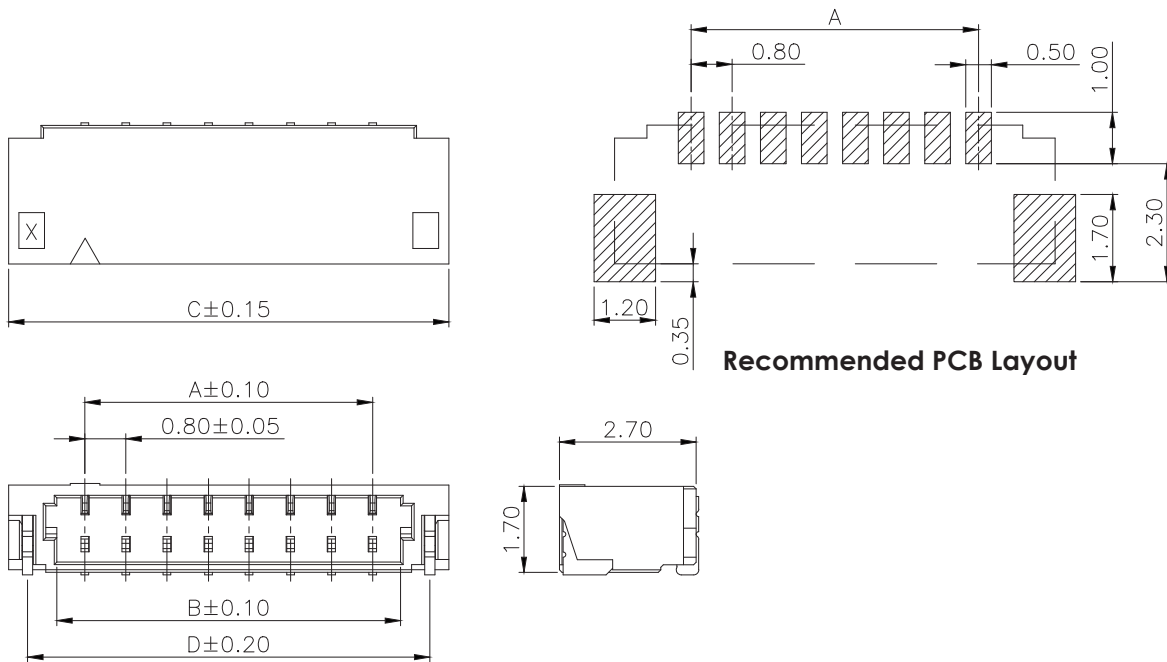
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 30V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 200V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

► Material and Finish

1. Insulator: High Temp. Plastic (UL94V-0)
2. Contact : Phosphor Bronze
3. Plated : Gold or Tin Plated

Detail Drawing



Ordering Information

1700R-XXX-SM

① ② ③ ④

- ① Right Angle
- ② No. of Contacts
- ③ G : Gold Plated
T : Tin Plated
- ④ SMD

Engineering Dimension

Pin. No	A	B	C	D	Pin. No	A	B	C	D
2	0.80	1.90	3.78	3.04	14	10.40	11.50	13.38	12.64
3	1.60	2.70	4.58	3.84	15	11.20	12.30	14.18	13.44
4	2.40	3.50	5.38	4.64	16	12.00	13.10	14.98	14.24
5	3.20	4.30	6.18	5.44	17	12.80	13.90	15.78	15.04
6	4.00	5.10	6.98	6.24	18	13.60	14.70	16.58	15.84
7	4.80	5.90	7.78	7.04	19	14.40	15.50	17.38	16.64
8	5.60	6.70	8.58	7.84	20	15.20	16.30	18.18	17.44
9	6.40	7.50	9.38	8.64	21	16.00	17.10	18.98	18.24
10	7.20	8.30	10.18	9.44	22	16.80	17.90	19.78	19.04
11	8.00	9.10	10.98	10.24	23	17.60	18.70	20.58	19.84
12	8.80	9.90	11.78	11.04	24	18.40	19.50	21.38	20.64
13	9.60	10.70	12.58	11.84					

IDC

FPC & FFC

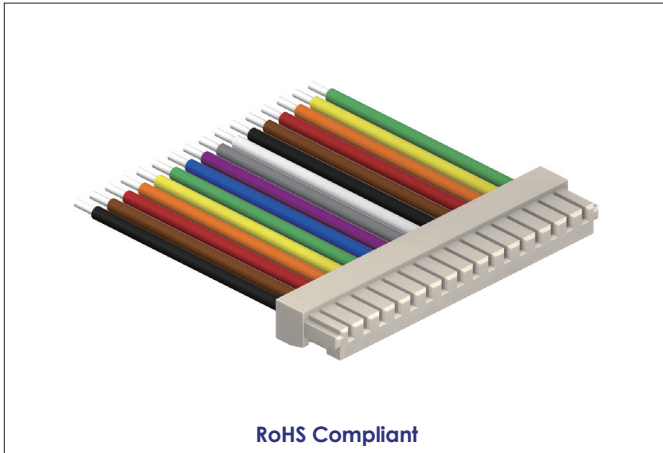
Wire To Board

Board To Board

0.80mm Wire to Board IDC Housing

1700H-XX

UNIT : mm



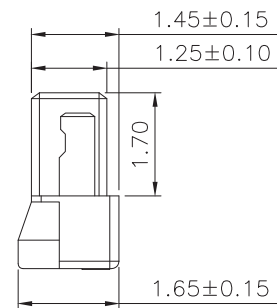
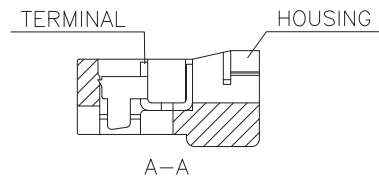
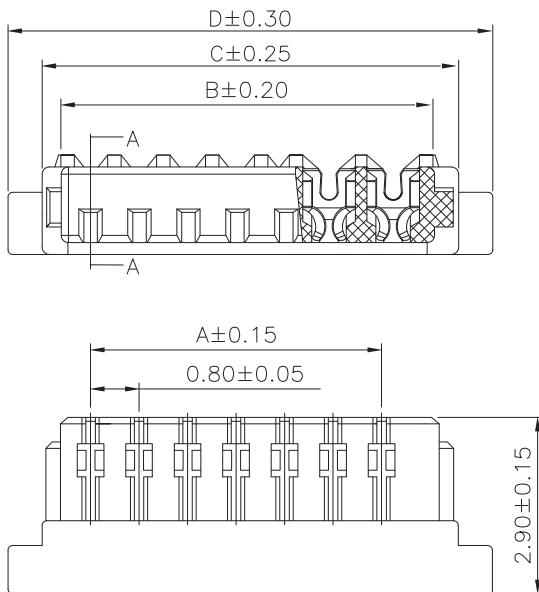
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 30V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 200V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Crimp Terminal : Brass Gold or Tin Plated

Detail Drawing



Ordering Information

1700H-XX

① ②

① Housing

② No. of Contacts

Engineering Dimension

Pin. No	A	B	C	D	Pin. No	A	B	C	D
2	0.80	1.78	2.40	3.20	14	10.40	11.38	12.00	12.80
3	1.60	2.58	3.20	4.00	15	11.20	12.18	12.80	13.60
4	2.40	3.38	4.00	4.80	16	12.00	12.98	13.60	14.40
5	3.20	4.18	4.80	5.60	17	12.80	13.78	14.40	15.20
6	4.00	4.98	5.60	6.40	18	13.60	14.58	15.20	16.00
7	4.80	5.78	6.40	7.20	19	14.40	15.38	16.00	16.80
8	5.60	6.58	7.20	8.00	20	15.20	16.18	16.80	17.60
9	6.40	7.38	8.00	8.80	21	16.00	16.98	17.60	18.40
10	7.20	8.18	8.80	9.60	22	16.80	17.78	18.40	19.20
11	8.00	8.98	9.60	10.40	23	17.60	18.58	19.20	20.00
12	8.80	9.78	10.40	11.20	24	18.40	19.38	20.00	20.80
13	9.60	10.58	11.20	12.00					

IDC

FPC & FFC

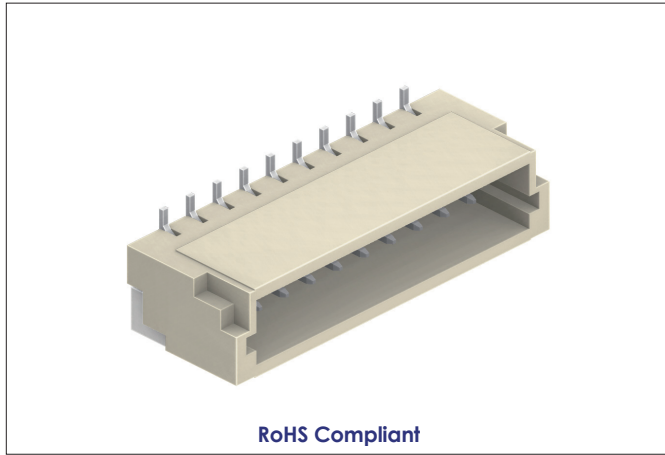
Wire To Board

Board To Board

1.00mm Wire to Board Wafer Straight SMD Type

1600S-XX-SM-HF7

UNIT : mm



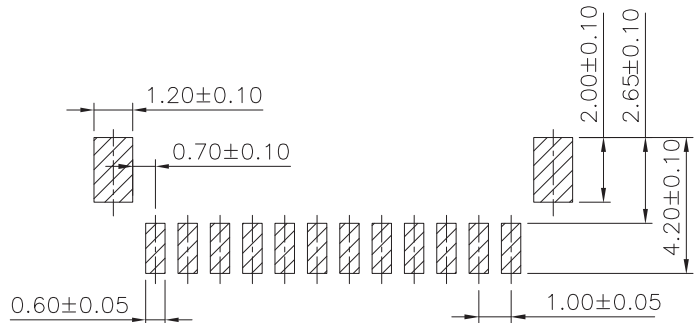
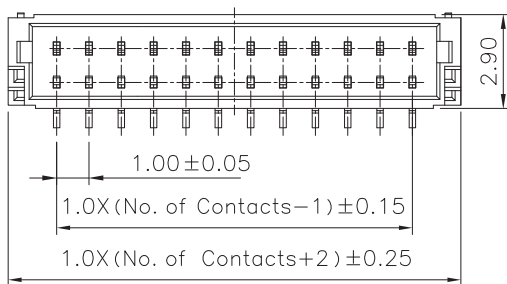
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

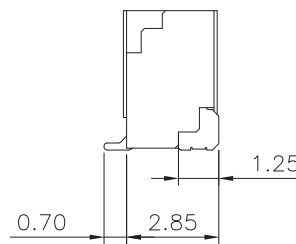
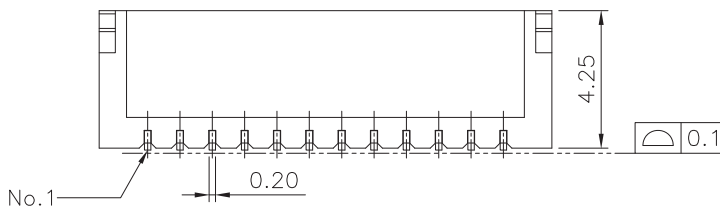
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Tin Plated

Detail Drawing



Recommended PCB Layout



Ordering Information

1600S-XX-SM-HF7

① ② ③

- ① Straight
- ② No. of Contacts
- ③ SMD

Engineering Dimension

Pin. No	Dimension		Pin. No	Dimension	
	A	B		A	B
2	1.0	4.0	10	9.0	12.0
3	2.0	5.0	11	10.0	13.0
4	3.0	6.0	12	11.0	14.0
5	4.0	7.0	13	12.0	15.0
6	5.0	8.0	14	13.0	16.0
7	6.0	9.0	15	14.0	17.0
8	7.0	10.0	20	19.0	22.0
9	8.0	11.0			

IDC

FPC & FFC

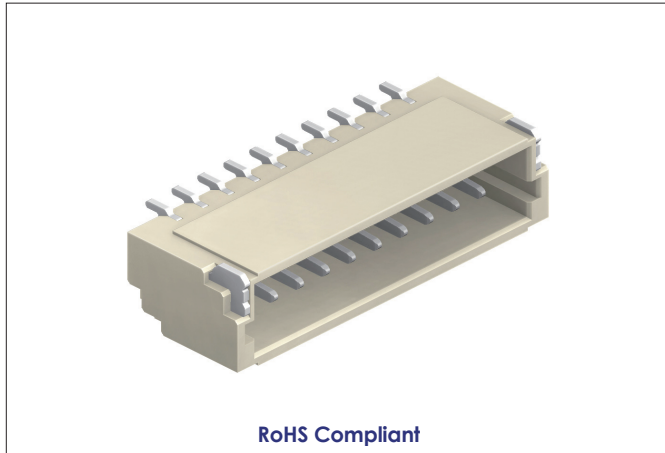
Wire To Board

Board To Board

1.00mm Wire to Board Wafer Right Angle SMD Type

1600R-XX-SM-HF7

UNIT : mm



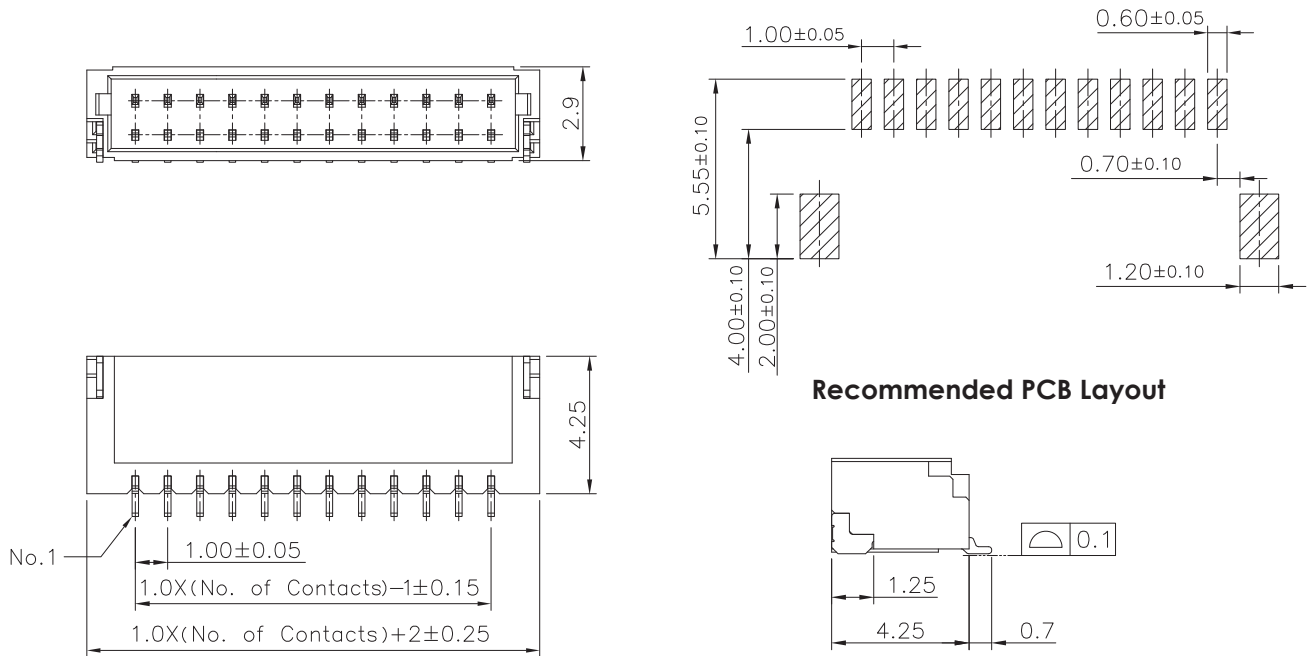
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Tin Plated

Detail Drawing



Ordering Information

1600R-XX-SM-HF7

① ② ③

- ① Right Angle
- ② No. of Contacts
- ③ SMD

Engineering Dimension

Pin. No	Dimension mm		Pin. No	Dimension mm	
	A	B		A	B
2	1.0	4.0	10	9.0	12.0
3	2.0	5.0	11	10.0	13.0
4	3.0	6.0	12	11.0	14.0
5	4.0	7.0	13	12.0	15.0
6	5.0	8.0	14	13.0	16.0
7	6.0	9.0	15	14.0	17.0
8	7.0	10.0	20	19.0	22.0
9	8.0	11.0			

IDC

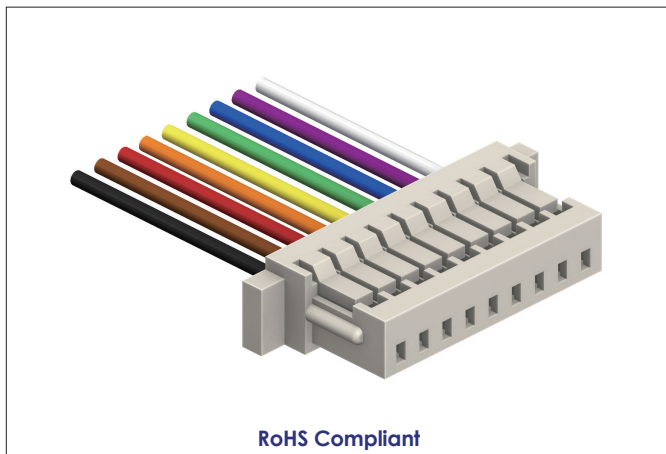
FPC & FFC

Wire To Board

Board To Board

1600H-XX

UNIT : mm



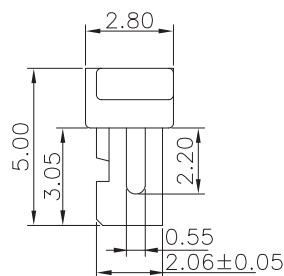
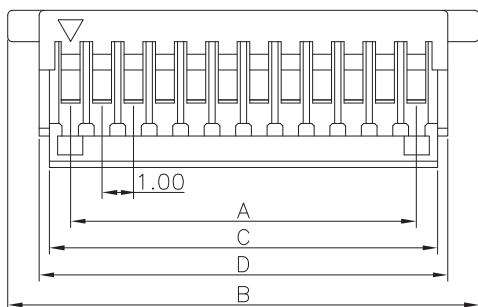
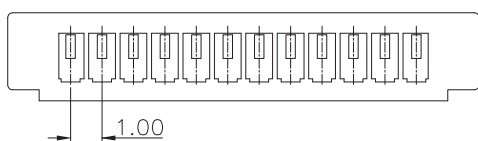
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

► Material and Finish

1. Insulator : PBT (UL94V-0)
2. Insulator Color : White / Natural

Detail Drawing



Ordering Information

1600H-XX

① ②

- ① Housing Single Row
- ② No. of Contacts

Engineering Dimension

Pin. No	A	B	C	D	Pin. No	A	B	C	D
2	1.00	5.00	2.37	3.00	10	9.00	13.00	10.37	11.00
3	2.00	6.00	3.37	4.00	11	10.00	14.00	11.37	12.00
4	3.00	7.00	4.37	5.00	12	11.00	15.00	12.37	13.00
5	4.00	8.00	5.37	6.00	13	12.00	16.00	13.37	14.00
6	5.00	9.00	6.37	7.00	14	13.00	17.00	14.37	15.00
7	6.00	10.00	7.37	8.00	15	14.00	18.00	15.37	16.00
8	7.00	11.00	8.37	9.00	16	15.00	19.00	16.37	17.00
9	8.00	12.00	9.37	10.00	20	19.00	23.00	20.37	21.00

IDC

FPC & FFC

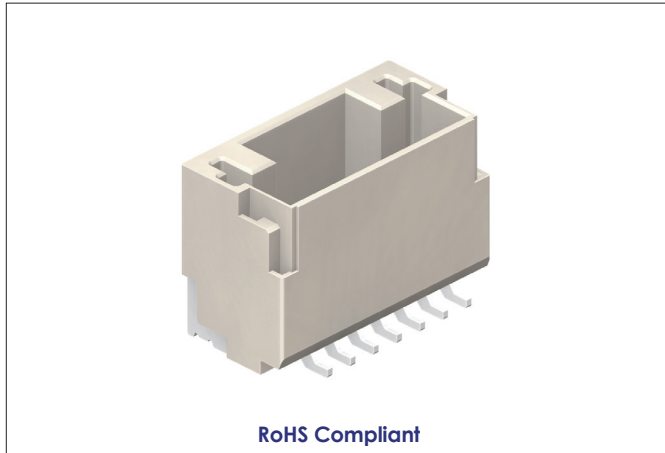
Wire To Board

Board To Board

1.00mm Wire to Board Wafer Straight SMD W/Lock Type

1600S-XX-SM-LK

UNIT : mm



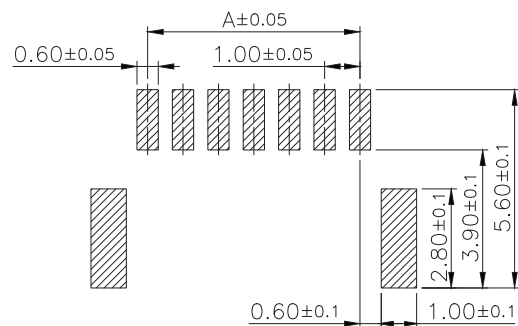
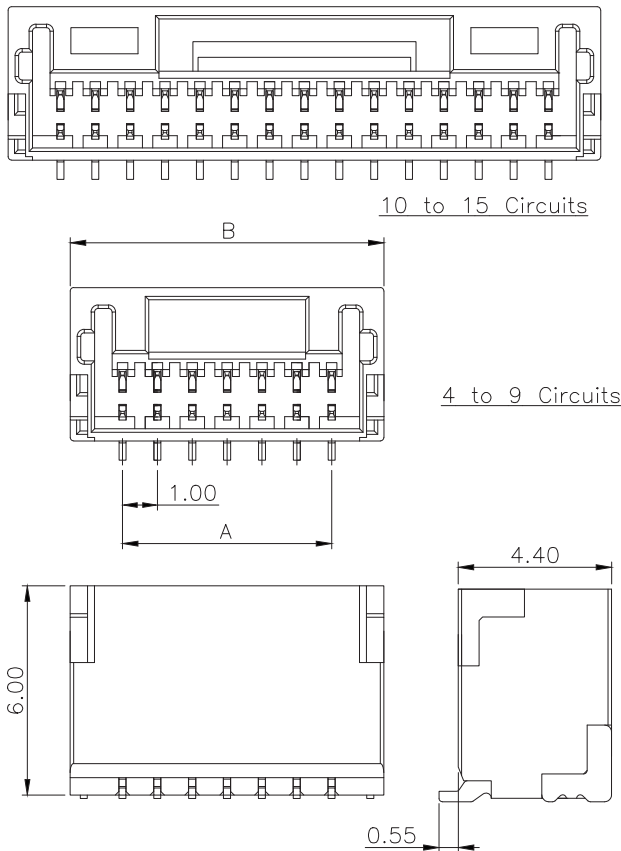
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

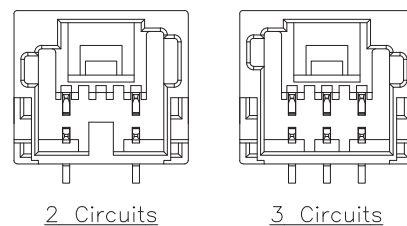
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Matte Tin Plated

Detail Drawing



Recommended PCB Layout



Ordering Information

1600S-XX-SM-LK

① ② ③ ④

- ① Straight
- ② No. of Contacts
- ③ SMD
- ④ With Lock

Engineering Dimension

Pin. No	A	B	Pin. No	A	B
2	2.00	5.00	9	8.00	11.00
3	2.00	5.00	10	9.00	12.00
4	3.00	6.00	11	10.00	13.00
5	4.00	7.00	12	11.00	14.00
6	5.00	8.00	13	12.00	15.00
7	6.00	9.00	14	13.00	16.00
8	7.00	10.00	15	14.00	17.00

IDC

FPC & FFC

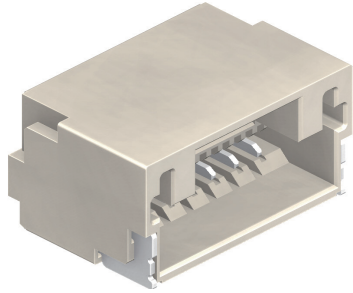
Wire To Board

Board To Board

1.00mm Wire to Board Wafer R/A SMD W/Lock Type

1600R-XX-SM-LK

UNIT : mm



RoHS Compliant

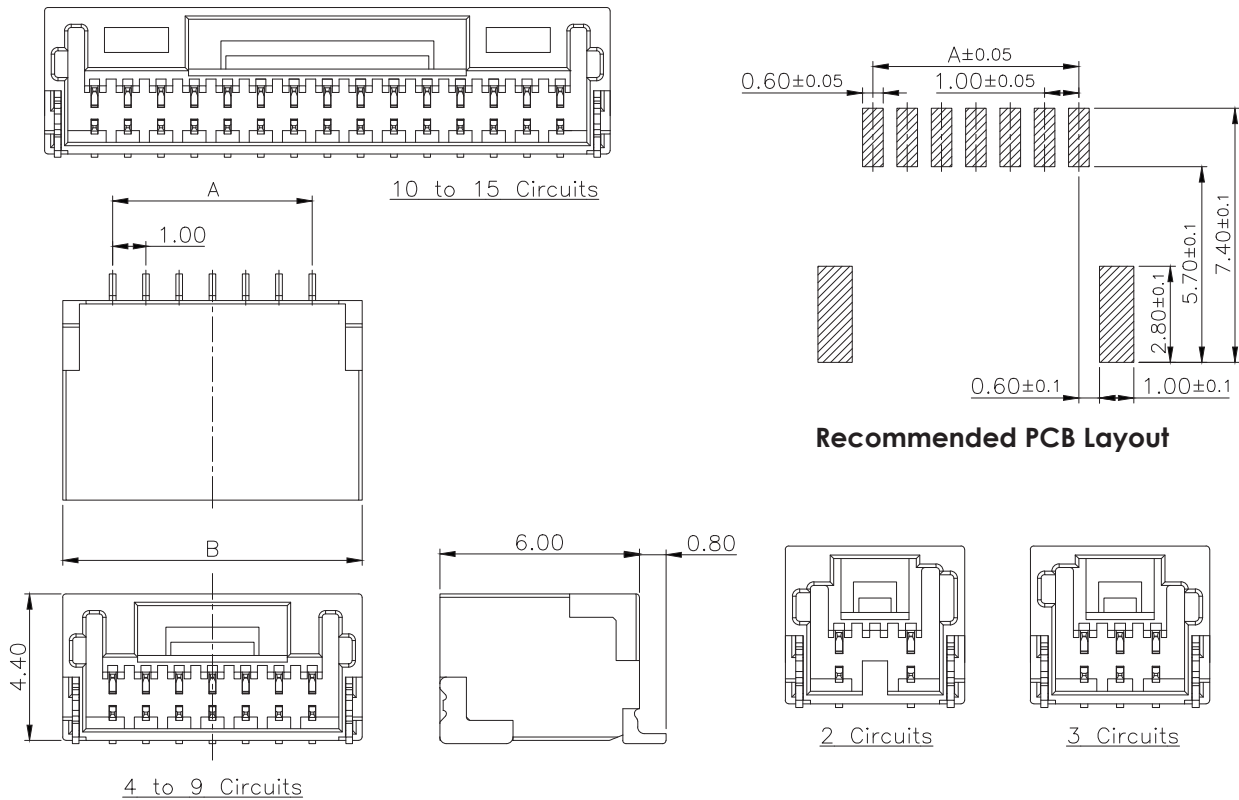
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Matte Tin Plated

Detail Drawing



Ordering Information

1600R-XX-SM-LK

① ② ③ ④

- ① Right Angle
- ② No. of Contacts
- ③ SMD
- ④ With Lock

Engineering Dimension

Pin. No	A	B	Pin. No	A	B
2	2.00	5.00	9	8.00	11.00
3	2.00	5.00	10	9.00	12.00
4	3.00	6.00	11	10.00	13.00
5	4.00	7.00	12	11.00	14.00
6	5.00	8.00	13	12.00	15.00
7	6.00	9.00	14	13.00	16.00
8	7.00	10.00	15	14.00	17.00

IDC

FPC & FFC

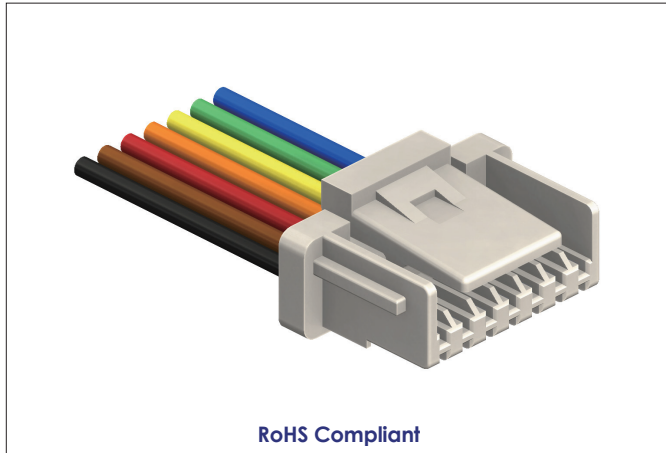
Wire To Board

Board To Board

1.00mm Wire to Board Housing W/Lock

1600H-XX-LK

UNIT : mm



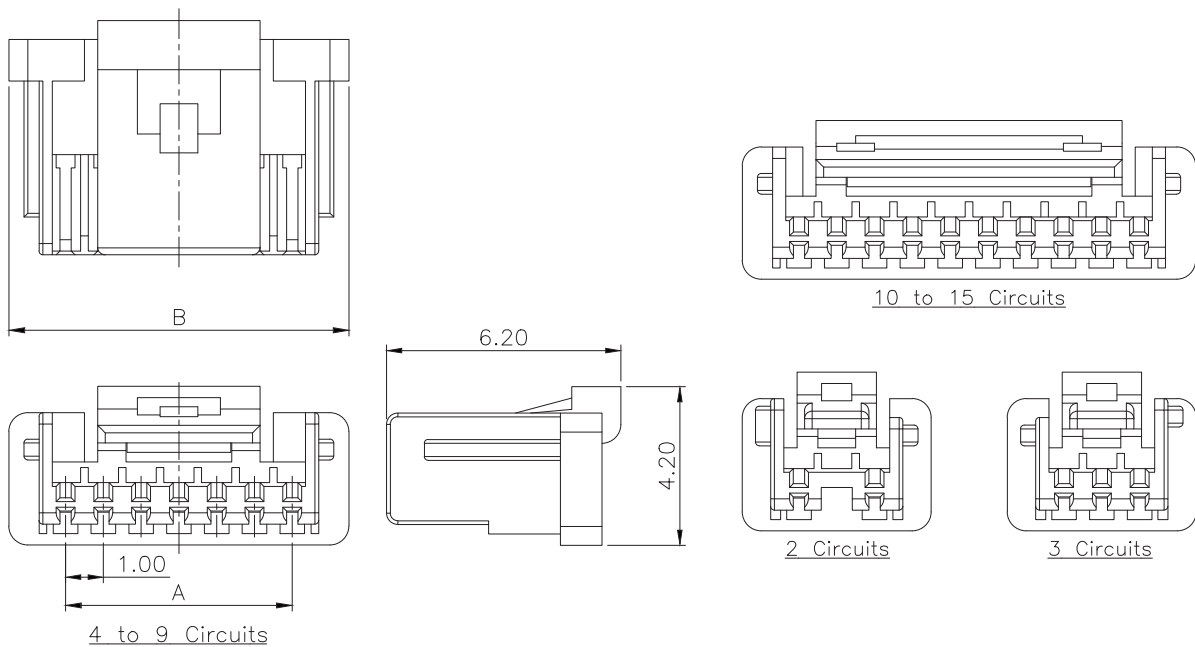
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural

Detail Drawing



Ordering Information

1600H-XX-LK

- ① ② ③
- ① Housing
 - ② No. of Contacts
 - ③ With Lock

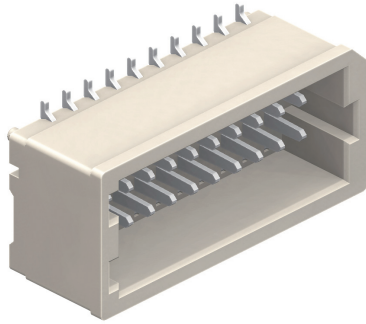
Engineering Dimension

Pin. No	A	B	Pin. No	A	B
2	2.00	5.00	9	8.00	11.00
3	2.00	5.00	10	9.00	12.00
4	3.00	6.00	11	10.00	13.00
5	4.00	7.00	12	11.00	14.00
6	5.00	8.00	13	12.00	15.00
7	6.00	9.00	14	13.00	16.00
8	7.00	10.00	15	14.00	17.00

1.00mm Wire to Board Wafer SMD Straight Type, Dual Rows

1600SMB-XXX-XX

UNIT : mm



RoHS Compliant

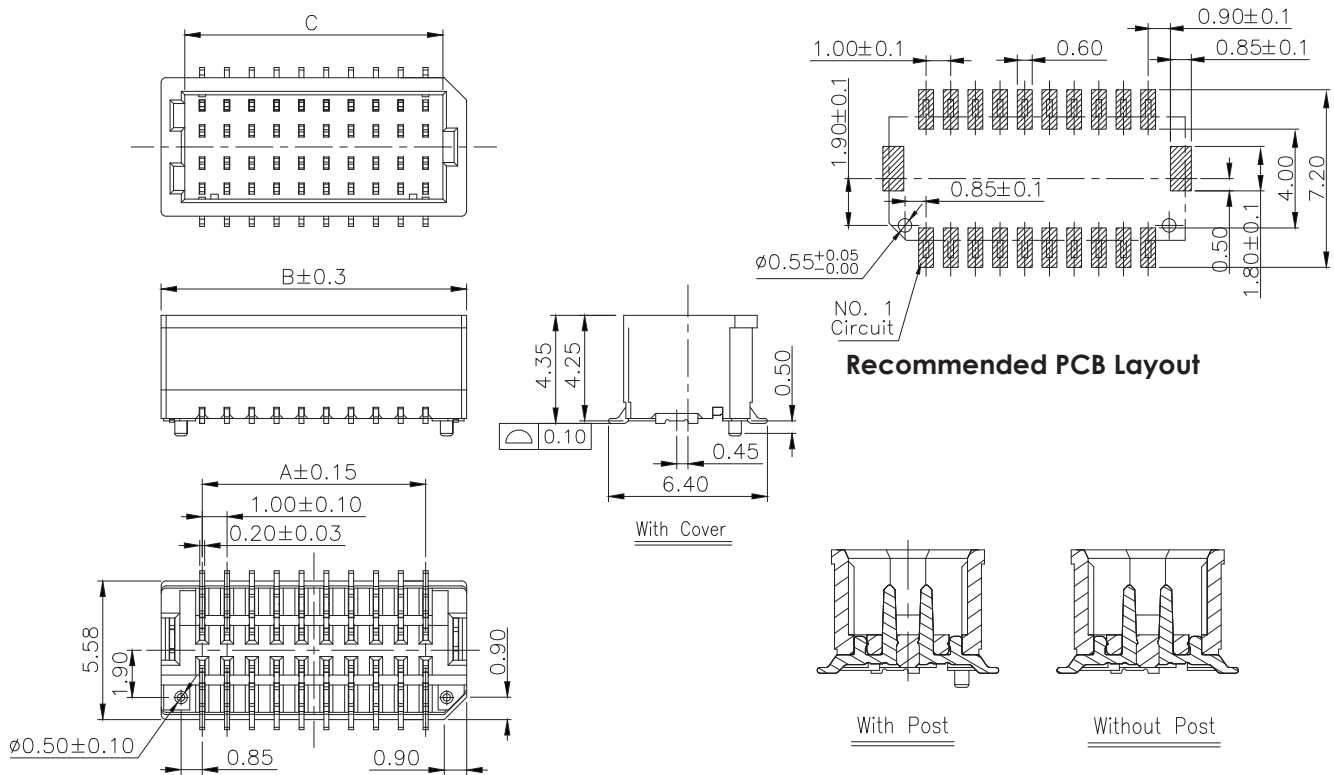
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 250V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

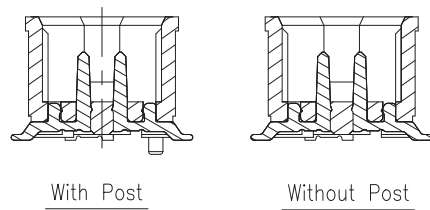
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Material : Brass
4. Plated : Gold or Tin Plated
5. Solder Tail : Brass, Tin Plated

Detail Drawing



Recommended PCB Layout



Ordering Information

1600SMB-XXX-XX

① ② ③ ④

- ① Straight SMD Type Double Rows
- ② No. of Contacts
- ③ Blank Gold Plated
T : Tin Plated
- ④ Black With Post
01 : W/O Post

Engineering Dimension

Pin. No	A	B	C
20	9.0	12.3	10.4
30	14.0	17.3	15.4
40	19.0	22.3	20.4
50	24.0	27.3	25.4

IDC

FPC & FFC

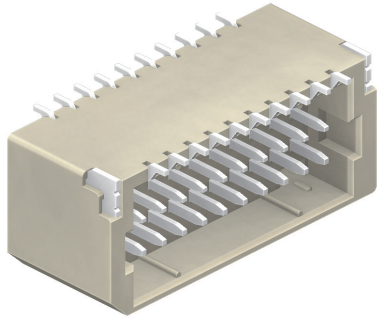
Wire To Board

Board To Board

1.00mm Wire to Board Wafer R/A SMD Type, Dual Rows

1600RMB-XX-01

UNIT : mm



RoHS Compliant

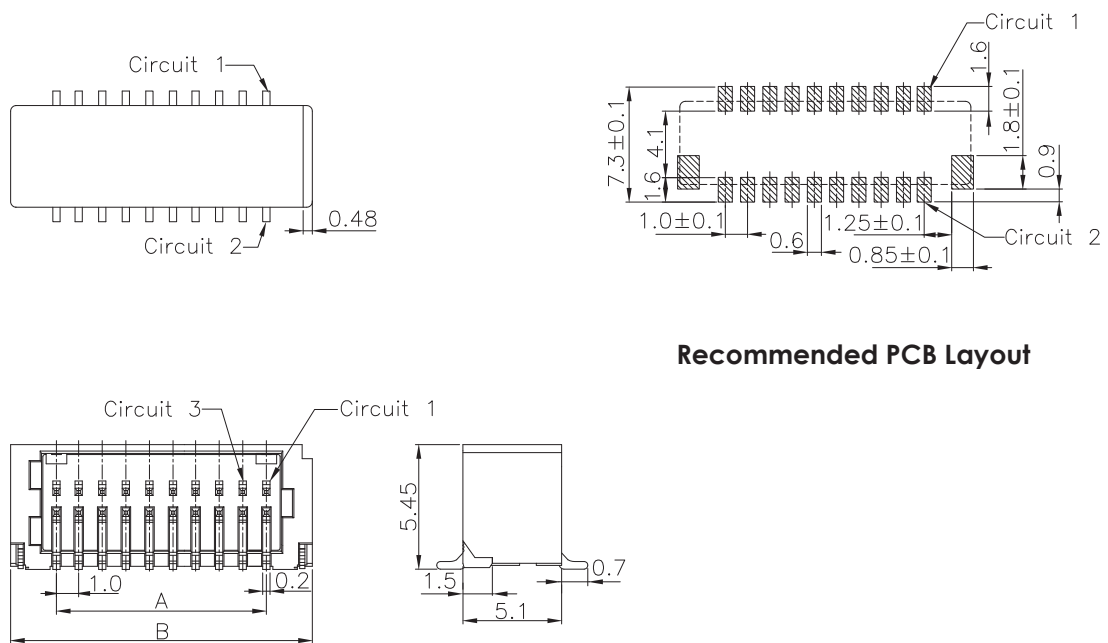
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contact : Phosphor Bronze
4. Plated : Tin Plated
5. Solder Tabs : Brass, Tin Plated

Detail Drawing



Recommended PCB Layout

Ordering Information

1600RMB-XX-01

① ②

- ① Right Angle Type Double Rows
- ② No. of Contacts

Engineering Dimension

Pin. No	Dimensions	
	A	B
20	9.00	13.10
30	14.00	18.10
40	19.00	23.10
50	24.00	28.10

IDC

FPC & FFC

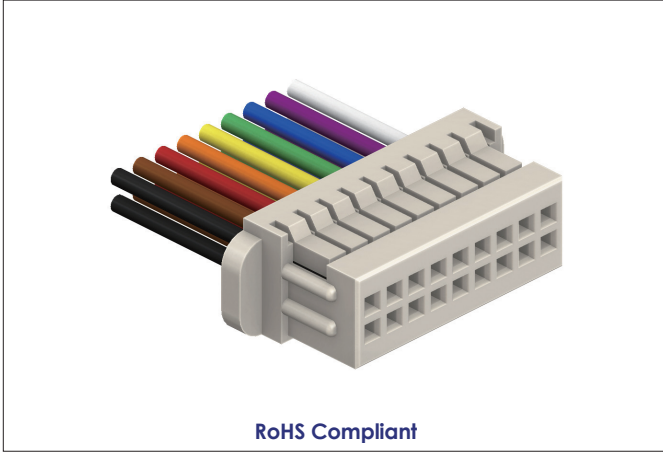
Wire To Board

Board To Board

1.00mm Wire to Board Housing, Dual Rows

1600HB-XX

UNIT : mm



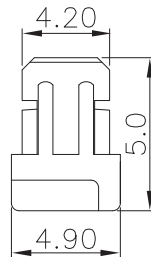
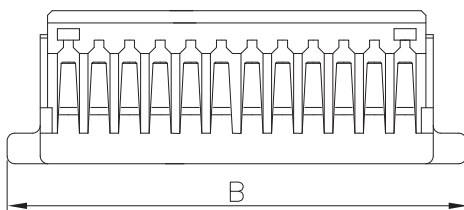
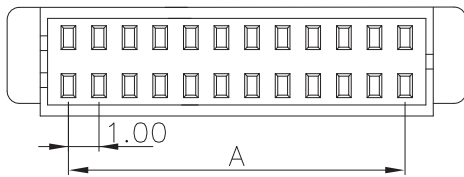
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

► Material and Finish

1. Material : PBT (UL94V-0)
2. Insulator Color : White / Natural

Detail Drawing



Ordering Information

1600HB-XX

- ① ②
 ① Housing Double Rows
 ② No. of Contacts

Engineering Dimension

Pin. No	A	B
20	9.00	13.00
30	14.00	18.00
40	19.00	23.00
50	24.00	28.00

IDC

FPC & FFC

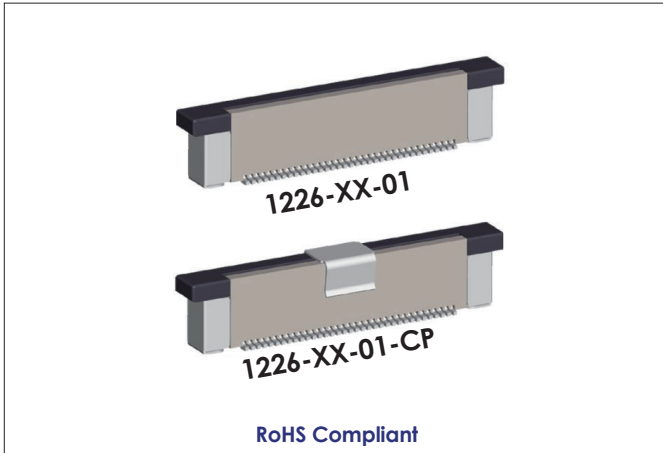
Wire To Board

Board To Board

0.50mm FPC ZIF Straight SMD Type Connector

1226-XX-01

UNIT : mm



► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 50M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

► Material and Finish

1. Plastic : High Temp. Plastic (UL94V-0)
2. Plastic Color : White
3. Contacts : Phosphor Bronze
4. Plated : Tin Plated

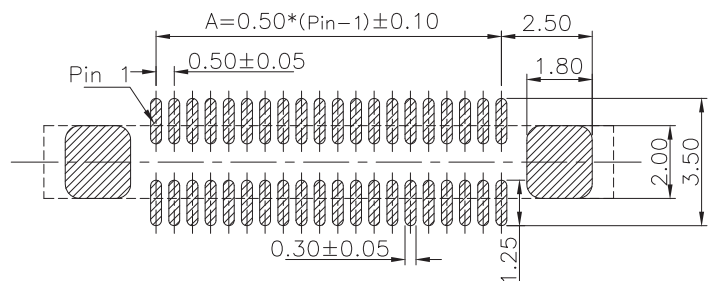
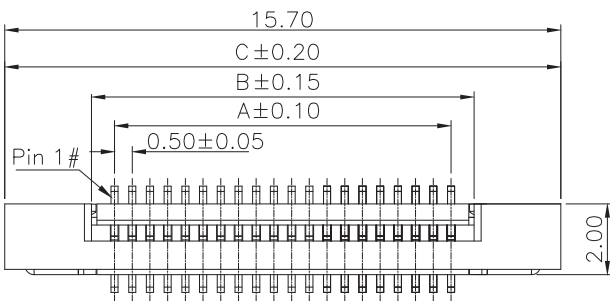
IDC

FPC & FFC

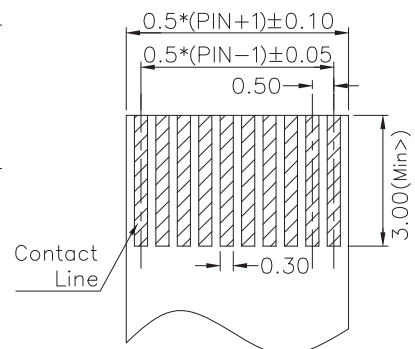
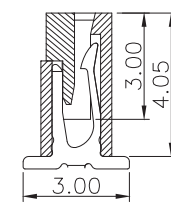
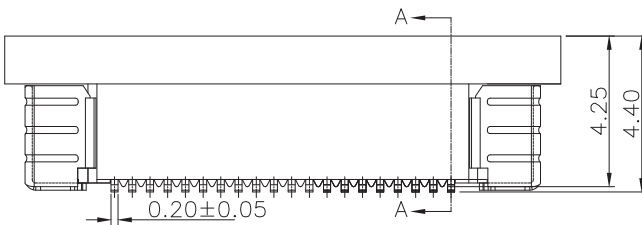
Wire To Board

Board To Board

Detail Drawing



Recommended PCB Layout



FPC Dimension
Thickness: 0.3 ± 0.03mm.

Ordering Information

1226-XX-01

① ②

- ① No. of Contacts
② Vertical Contact Type

Engineering Dimension

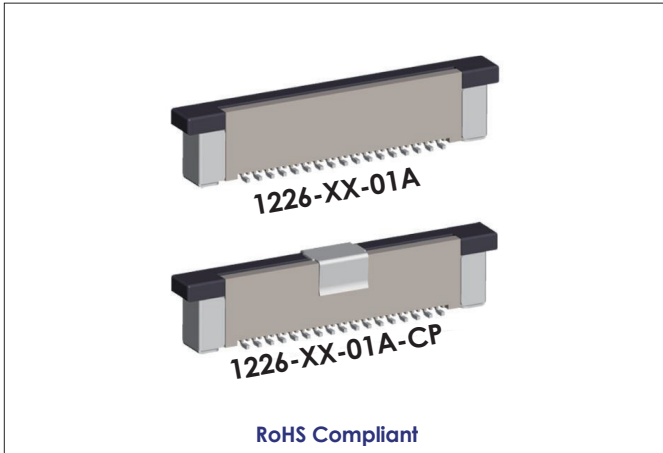
Pin. No	A	B	C	Pin. No	A	B	C	Pin. No	A	B	C	Pin. No	A	B	C
4	1.50	2.60	7.70	16	7.50	8.60	13.70	28	13.50	14.60	19.70	40	19.50	20.60	25.70
5	2.00	3.10	8.20	17	8.00	9.10	14.20	29	14.00	15.10	20.20	41	20.00	21.10	26.20
6	2.50	3.60	8.70	18	8.50	9.60	14.70	30	14.50	15.60	20.70	42	20.50	21.60	26.70
7	3.00	4.10	9.20	19	9.00	10.10	15.20	31	15.00	16.10	21.20	43	21.00	22.10	27.20
8	3.50	4.60	9.70	20	9.50	10.60	15.70	32	15.50	16.60	21.70	44	21.50	22.60	27.70
9	4.00	5.10	10.20	21	10.00	11.10	16.20	33	16.00	17.10	22.20	45	22.00	23.10	28.20
10	4.50	5.60	10.70	22	10.50	11.60	16.70	34	16.50	17.60	22.70	46	22.50	23.60	28.70
11	5.00	6.10	11.20	23	11.00	12.10	17.20	35	17.00	18.10	23.20	47	23.00	24.10	29.20
12	5.50	6.60	11.70	24	11.50	12.60	17.70	36	17.50	18.60	23.70	48	23.50	24.60	29.70
13	6.00	7.10	12.20	25	12.00	13.10	18.20	37	18.00	19.10	24.20	49	24.00	25.10	30.20
14	6.50	7.60	12.70	26	12.50	13.60	18.70	38	18.50	19.60	24.70	50	24.50	25.60	30.70
15	7.00	8.10	13.20	27	13.00	14.10	19.20	39	19.00	20.10	25.20				



0.50mm FPC ZIF Straight SMD A Type Connector

1226-XX-01A

UNIT : mm



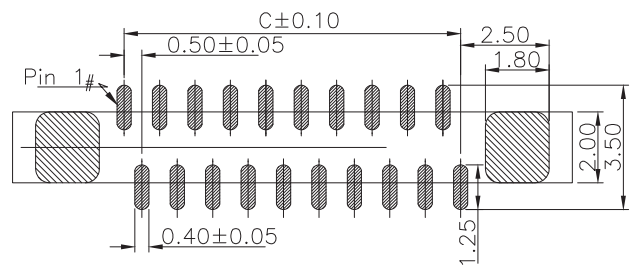
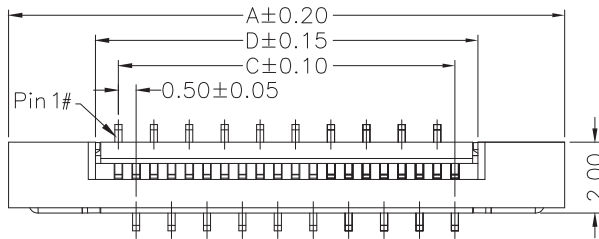
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 50M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

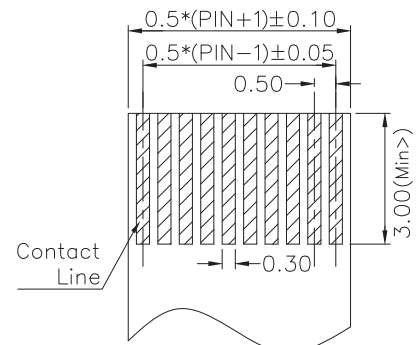
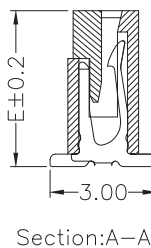
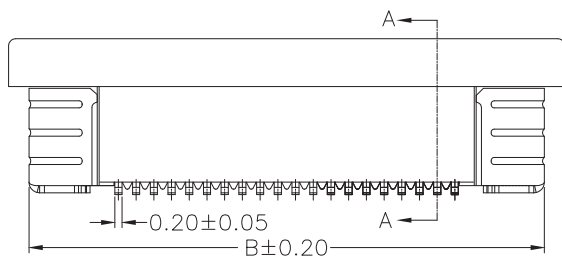
► Material and Finish

1. Plastic : High Temp. Plastic (UL94V-0)
2. Plastic Color : White
3. Contacts : Phosphor Bronze
4. Plated : Tin Plated

Detail Drawing



Recommended PCB Layout



FPC Dimension
Thickness: 0.3±0.03mm.

Ordering Information

1226-XX-01A

① ②

- ① No. of Contacts
② Vertical Contact A Type

Pin.No	A	B	C
4	1.50	2.60	7.70
5	2.00	3.10	8.20
6	2.50	3.60	8.70
7	3.00	4.10	9.20
8	3.50	4.60	9.70
9	4.00	5.10	10.20
10	4.50	5.60	10.70
11	5.00	6.10	11.20
12	5.50	6.60	11.70
13	6.00	7.10	12.20
14	6.50	7.60	12.70
15	7.00	8.10	13.20

Engineering Dimension

Pin.No	A	B	C
16	7.50	8.60	13.70
17	8.00	9.10	14.20
18	8.50	9.60	14.70
19	9.00	10.10	15.20
20	9.50	10.60	15.70
21	10.00	11.10	16.20
22	10.50	11.60	16.70
23	11.00	12.10	17.20
24	11.50	12.60	17.70
25	12.00	13.10	18.20
26	12.50	13.60	18.70
27	13.00	14.10	19.20

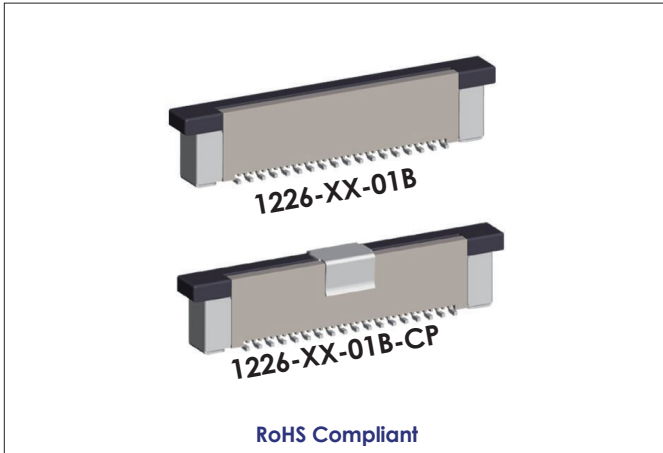
Pin.No	A	B	C
28	13.50	14.60	19.70
29	14.00	15.10	20.20
30	14.50	15.60	20.70
31	15.00	16.10	21.20
32	15.50	16.60	21.70
33	16.00	17.10	22.20
34	16.50	17.60	22.70
35	17.00	18.10	23.20
36	17.50	18.60	23.70
37	18.00	19.10	24.20
38	18.50	19.60	24.70
39	19.00	20.10	25.20

Pin.No	A	B	C
40	19.50	20.60	25.70
41	20.00	21.10	26.20
42	20.50	21.60	26.70
43	21.00	22.10	27.20
44	21.50	22.60	27.70
45	22.00	23.10	28.20
46	22.50	23.60	28.70
47	23.00	24.10	29.20
48	23.50	24.60	29.70
49	24.00	25.10	30.20
50	24.50	25.60	30.70

0.50mm FPC ZIF Straight SMD B Type Connector

1226-XX-01B

UNIT : mm



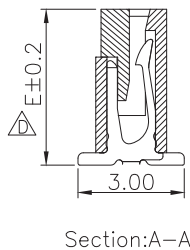
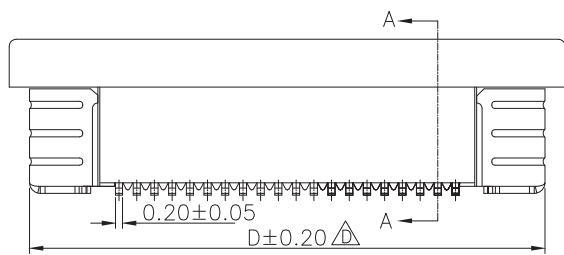
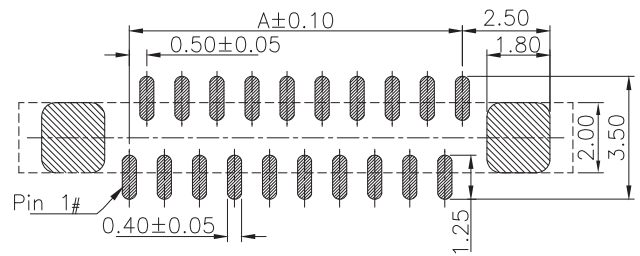
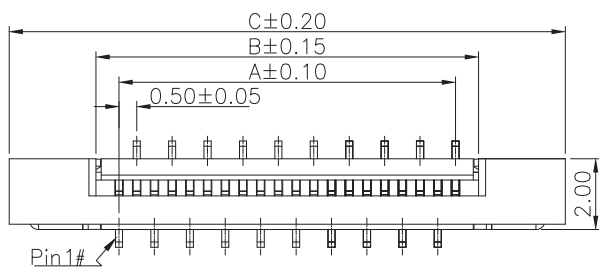
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 50M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

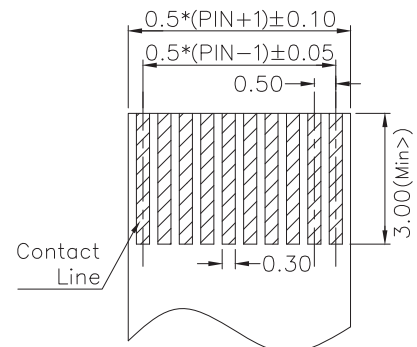
► Material and Finish

1. Plastic : High Temp. Plastic (UL94V-0)
2. Plastic Color : White
3. Contacts : Phosphor Bronze
4. Plated : Tin Plated

Detail Drawing



Recommended PCB Layout



FPC Dimension
Thickness: 0.3±0.03mm.

Ordering Information

1226-XX-01B

① ②

- ① No. of Contacts
- ② Vertical Contact B Type

Pin.No	A	B	C
4	1.50	2.60	7.70
5	2.00	3.10	8.20
6	2.50	3.60	8.70
7	3.00	4.10	9.20
8	3.50	4.60	9.70
9	4.00	5.10	10.20
10	4.50	5.60	10.70
11	5.00	6.10	11.20
12	5.50	6.60	11.70
13	6.00	7.10	12.20
14	6.50	7.60	12.70
15	7.00	8.10	13.20

Pin.No	A	B	C
16	7.50	8.60	13.70
17	8.00	9.10	14.20
18	8.50	9.60	14.70
19	9.00	10.10	15.20
20	9.50	10.60	15.70
21	10.00	11.10	16.20
22	10.50	11.60	16.70
23	11.00	12.10	17.20
24	11.50	12.60	17.70
25	12.00	13.10	18.20
26	12.50	13.60	18.70
27	13.00	14.10	19.20

Pin.No	A	B	C
28	13.50	14.60	19.70
29	14.00	15.10	20.20
30	14.50	15.60	20.70
31	15.00	16.10	21.20
32	15.50	16.60	21.70
33	16.00	17.10	22.20
34	16.50	17.60	22.70
35	17.00	18.10	23.20
36	17.50	18.60	23.70
37	18.00	19.10	24.20
38	18.50	19.60	24.70
39	19.00	20.10	25.20

Pin.No	A	B	C
40	19.50	20.60	25.70
41	20.00	21.10	26.20
42	20.50	21.60	26.70
43	21.00	22.10	27.20
44	21.50	22.60	27.70
45	22.00	23.10	28.20
46	22.50	23.60	28.70
47	23.00	24.10	29.20
48	23.50	24.60	29.70
49	24.00	25.10	30.20
50	24.50	25.60	30.70

Engineering Dimension

0.50mm FPC ZIF R/A SMD Type Connector

1226-XX-02

UNIT : mm



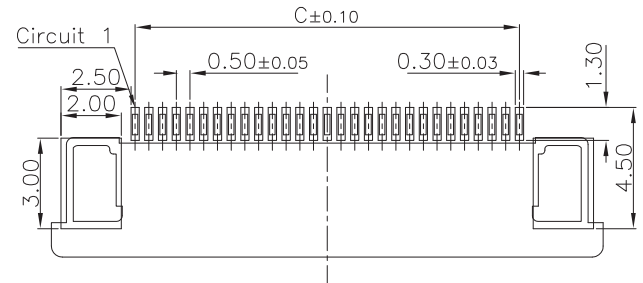
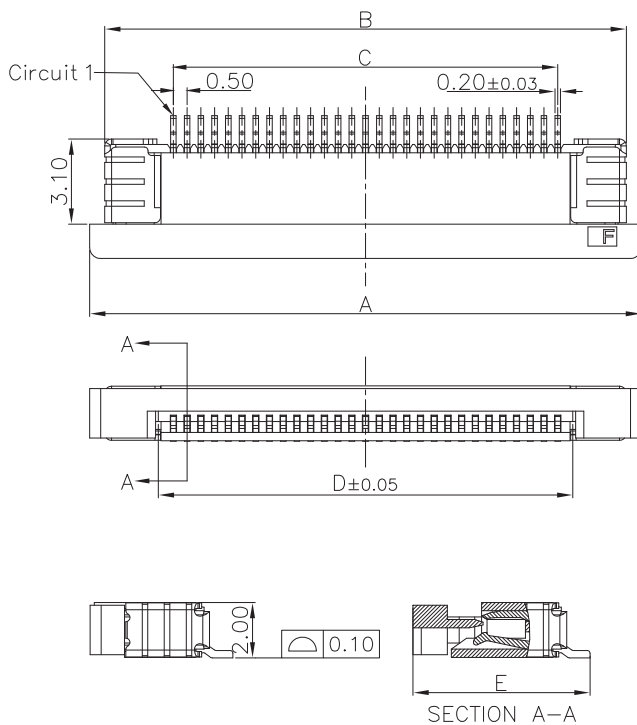
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 50M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

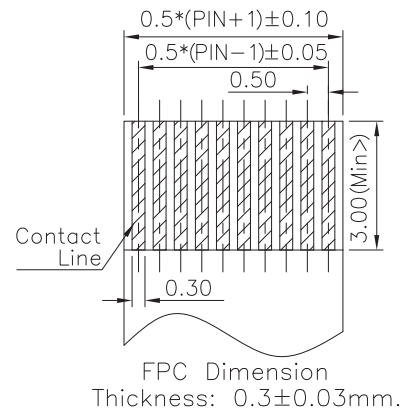
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Natural
3. Latch : High Temp. Plastic (UL94V-0)
4. Latch Color : Black
5. Terminal : Copper Alloy
6. Plated : Matte Tin Plated

Detail Drawing



Recommended PCB Layout



Ordering Information

1226-XX-02

① ②

- ① No. of Contacts
- ② Bottom Contact Type

Pin. No	A	B	C	D	Pin. No	A	B	C	D	Pin. No	A	B	C	D	Pin. No	E
4	7.60	6.50	1.50	2.60	19	15.10	14.00	9.00	10.10	34	22.60	21.50	16.50	17.60	4-34	5.20
5	8.10	7.00	2.00	3.10	20	15.60	14.50	9.50	10.60	35	23.10	22.00	17.00	18.10	35-40	5.70
6	8.60	7.50	2.50	3.60	21	16.10	15.00	10.00	11.10	36	23.60	22.50	17.50	18.60		
7	9.10	8.00	3.00	4.10	22	16.60	15.50	10.50	11.60	37	24.10	23.00	18.00	19.10		
8	9.60	8.50	3.50	4.60	23	17.10	16.00	11.00	12.10	38	24.60	23.50	18.50	19.60		
9	10.10	9.00	4.00	5.10	24	17.60	16.50	11.50	12.60	39	25.10	24.00	19.00	20.10		
10	10.60	9.50	4.50	5.60	25	18.10	17.00	12.00	13.10	40	25.60	24.50	19.50	20.60		
11	11.10	10.00	5.00	6.10	26	18.60	17.50	12.50	13.60							
12	11.60	10.50	5.50	6.60	27	19.10	18.00	13.00	14.10							
13	12.10	11.00	6.00	7.10	28	19.60	18.50	13.50	14.60							
14	12.60	11.50	6.50	7.60	29	20.10	19.00	14.00	15.10							
15	13.10	12.00	7.00	8.10	30	20.60	19.50	14.50	15.60							
16	13.60	12.50	7.50	8.60	31	21.10	20.00	15.00	16.10							
17	14.10	13.00	8.00	9.10	32	21.60	20.50	15.50	16.60							
18	14.60	13.50	8.50	9.60	33	22.10	21.00	16.00	17.10							

Engineering Dimension

IDC

FPC & FFC

Wire To Board

Board To Board

0.50mm FPC ZIF R/A SMD Type Connector

1226-XX-03

UNIT : mm



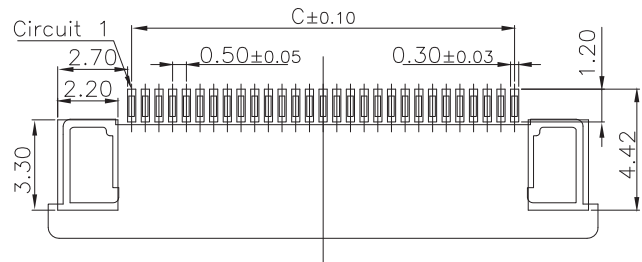
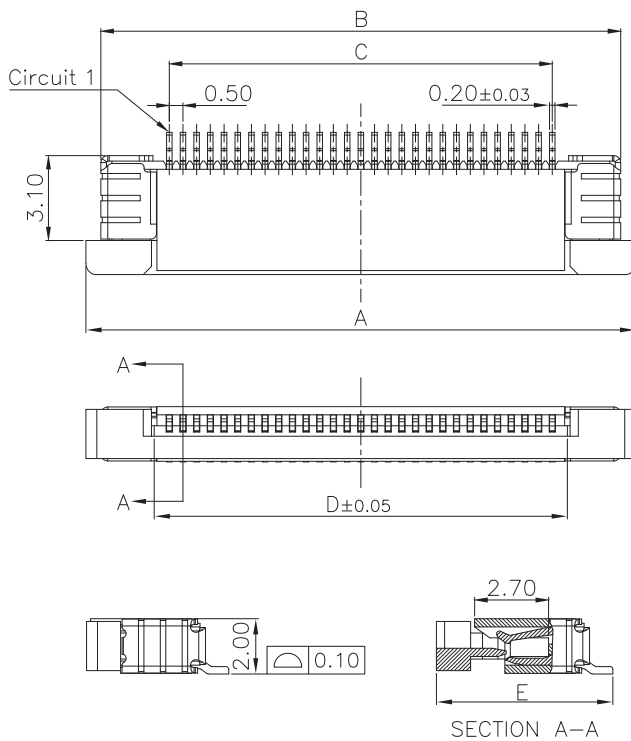
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 50M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+85°C

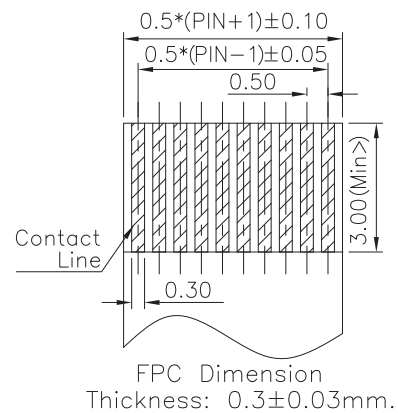
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Natural
3. Latch : High Temp. Plastic (UL94V-0)
4. Latch Color : Black
5. Terminal : Copper Alloy
6. Plated : Matte Tin Plated

Detail Drawing



Recommended PCB Layout



Ordering Information

1226-XX-03

① ②

- ① No. of Contacts
② Upper Contact Type

Engineering Dimension

Pin. No	A	B	C	D	Pin. No	A	B	C	D	Pin. No	A	B	C	D	Pin. No	E
4	7.60	6.50	1.50	2.60	19	15.10	14.00	9.00	10.10	34	22.60	21.50	16.50	17.60	4-34	5.20
5	8.10	7.00	2.00	3.10	20	15.60	14.50	9.50	10.60	35	23.10	22.00	17.00	18.10	35-40	5.70
6	8.60	7.50	2.50	3.60	21	16.10	15.00	10.00	11.10	36	23.60	22.50	17.50	18.60		
7	9.10	8.00	3.00	4.10	22	16.60	15.50	10.50	11.60	37	24.10	23.00	18.00	19.10		
8	9.60	8.50	3.50	4.60	23	17.10	16.00	11.00	12.10	38	24.60	23.50	18.50	19.60		
9	10.10	9.00	4.00	5.10	24	17.60	16.50	11.50	12.60	39	25.10	24.00	19.00	20.10		
10	10.60	9.50	4.50	5.60	25	18.10	17.00	12.00	13.10	40	25.60	24.50	19.50	20.60		
11	11.10	10.00	5.00	6.10	26	18.60	17.50	12.50	13.60							
12	11.60	10.50	5.50	6.60	27	19.10	18.00	13.00	14.10							
13	12.10	11.00	6.00	7.10	28	19.60	18.50	13.50	14.60							
14	12.60	11.50	6.50	7.60	29	20.10	19.00	14.00	15.10							
15	13.10	12.00	7.00	8.10	30	20.60	19.50	14.50	15.60							
16	13.60	12.50	7.50	8.60	31	21.10	20.00	15.00	16.10							
17	14.10	13.00	8.00	9.10	32	21.60	20.50	15.50	16.60							
18	14.60	13.50	8.50	9.60	33	22.10	21.00	16.00	17.10							

IDC

FPC & FFC

Wire To Board

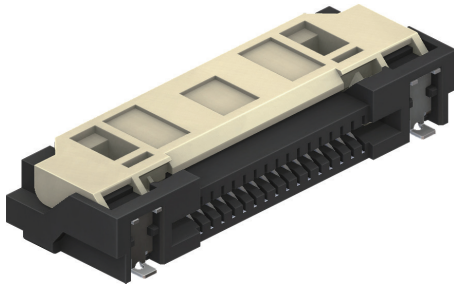
Board To Board



0.50mm FPC Auto Lock Double Contact Type Connector

1226-XX-10-H28

UNIT : mm



RoHS Compliant

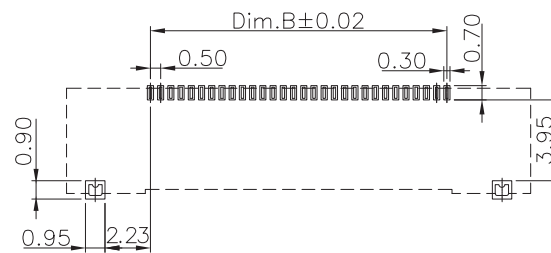
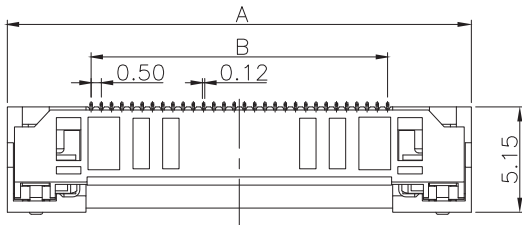
► Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 100m ohm. max
4. Insulation Resistance : 500M ohm. min
5. Withstanding Voltage : 150V AC for one minute
6. Operating Temperature Range : -55°C~+105°C

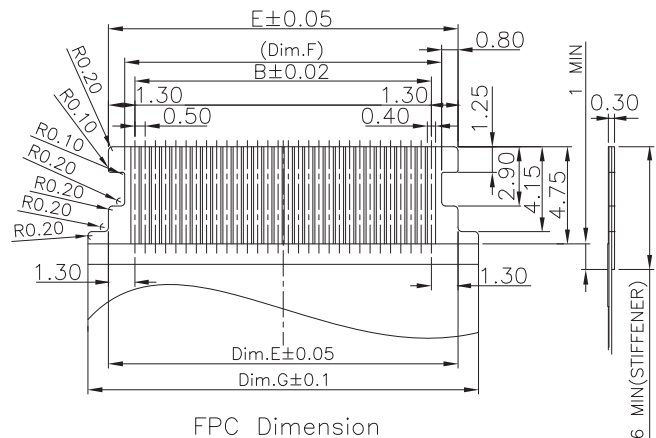
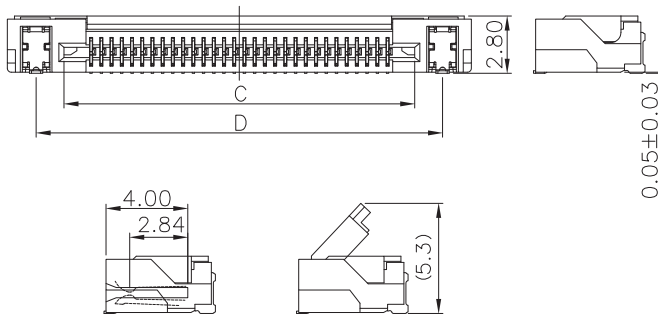
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Terminal : Phosphor Bronze
4. Plated : Selective Gold Plated
5. Solder Pad : Brass
6. Plated : Matte Tin

Detail Drawing



Recommended PCB Layout



FPC Dimension
Thickness: 0.3±0.03mm.

Ordering Information

1226-XX-10-H28

- ① No. of Contacts
② Height 2.80mm

Engineering Dimension

Pin. No	A	B	C	D	E	F	G
10	12.70	4.50	7.15	9.90	7.10	5.50	9.10
16	15.70	7.50	10.15	12.90	10.10	8.50	12.10
20	17.70	9.50	12.15	14.90	12.10	10.50	14.10
30	22.70	14.50	17.15	19.90	17.10	15.50	19.10
40	27.70	19.50	22.15	24.90	22.10	20.50	24.10
50	32.70	24.50	27.15	29.90	27.10	25.50	29.10
60	37.70	29.50	32.15	34.90	32.10	30.50	34.10

IDC

FPC & FFC

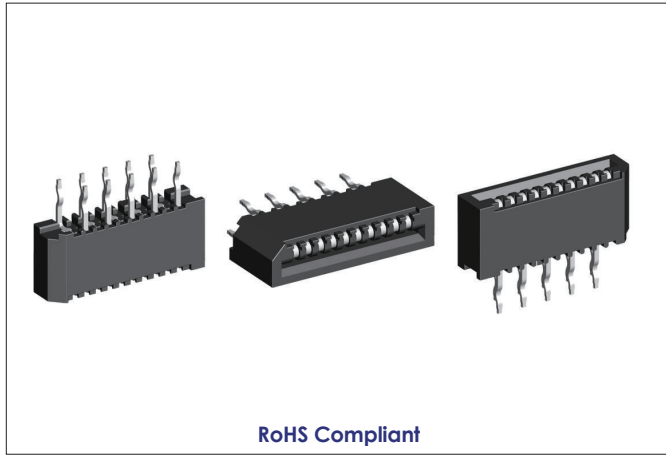
Wire To Board

Board To Board

1.00mm FPC Non ZIF Connector Single Contact Straight Type

1224S1-XX

UNIT : mm



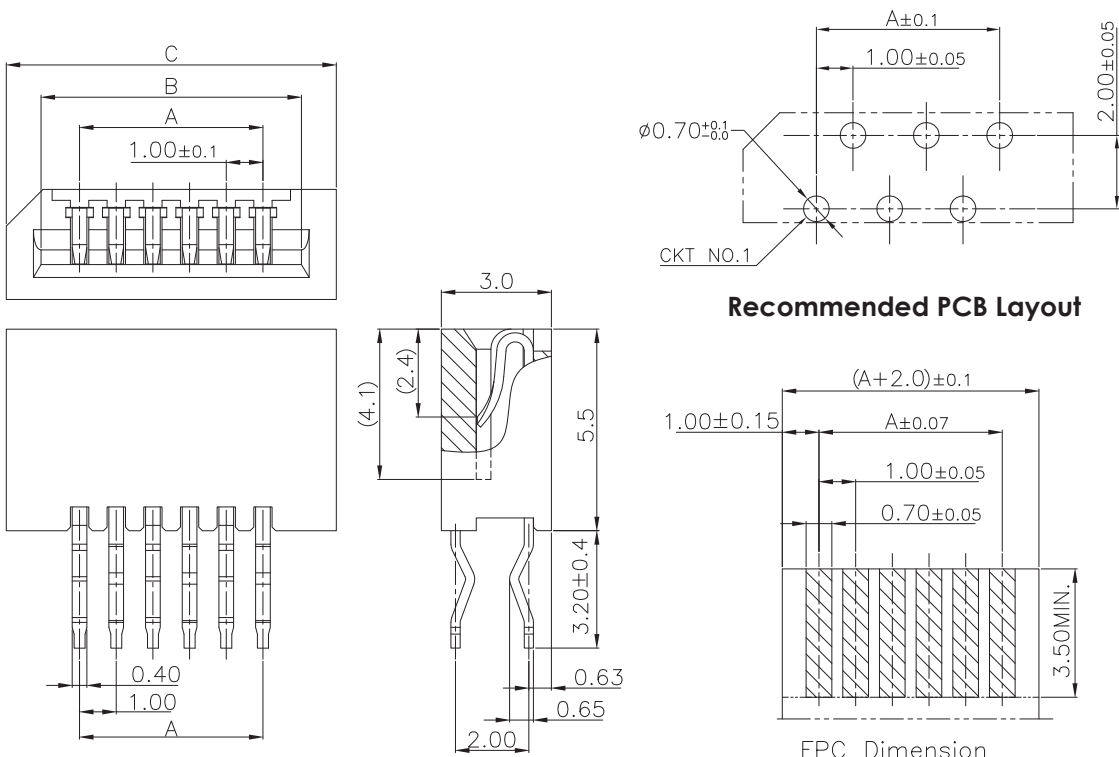
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+105°C

► Material and Finish

1. Plastic : High Temp. Plastic (UL94V-0)
2. Plastic Color : Black
3. Contacts : Phosphor Bronze
4. Plated : Tin Plated

Detail Drawing



Recommended PCB Layout

FPC Dimension
Thickness: 0.3±0.03mm.

Ordering Information

1224S1-XX

- ① ②
① Straight
② No. of Contacts

Engineering Dimension

Pin. No	A±0.15	B±0.15	C±0.20	Pin. No	A±0.15	B±0.15	C±0.20
3	2.0	4.05	6.0	17	16.0	18.05	20.0
4	3.0	5.05	7.0	18	17.0	19.05	21.0
5	4.0	6.05	8.0	19	18.0	20.05	22.0
6	5.0	7.05	9.0	20	19.0	21.05	23.0
7	6.0	8.05	10.0	21	20.0	22.05	24.0
8	7.0	9.05	11.0	22	21.0	23.05	25.0
9	8.0	10.05	12.0	23	22.0	24.05	26.0
10	9.0	11.05	13.0	24	23.0	25.05	27.0
11	10.0	12.05	14.0	25	24.0	26.05	28.0
12	11.0	13.05	15.0	26	25.0	27.05	29.0
13	12.0	14.05	16.0	27	26.0	28.05	30.0
14	13.0	15.05	17.0	28	27.0	29.05	31.0
15	14.0	16.05	18.0	29	28.0	30.05	32.0
16	15.0	17.05	19.0	30	29.0	31.05	33.0

IDC

FPC & FFC

Wire To Board

Board To Board

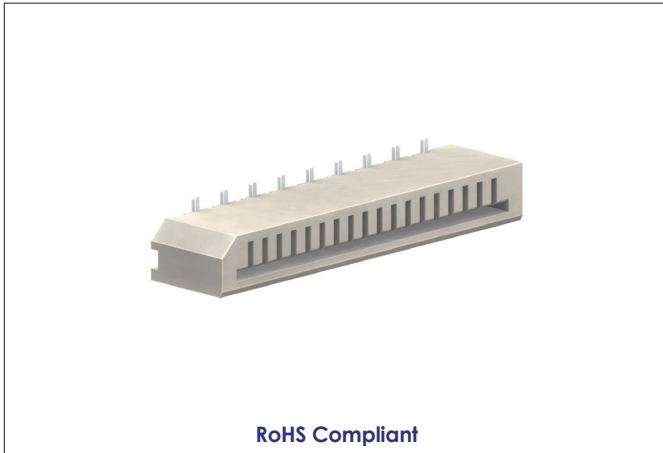


RU
E 144392 E 315658
E 239299 E 315997

1.00mm FPC Non ZIF Connector Single Contact Straight SMD Type

1224SM1-XX-30

UNIT : mm



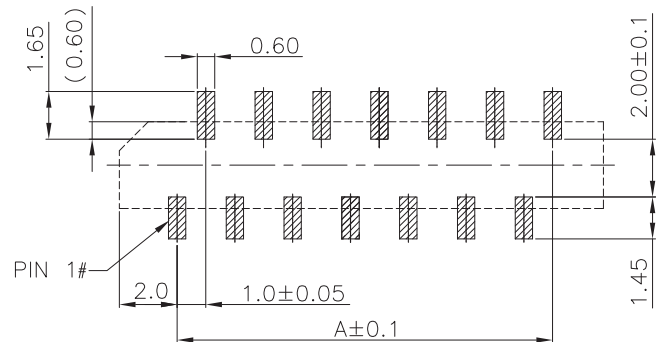
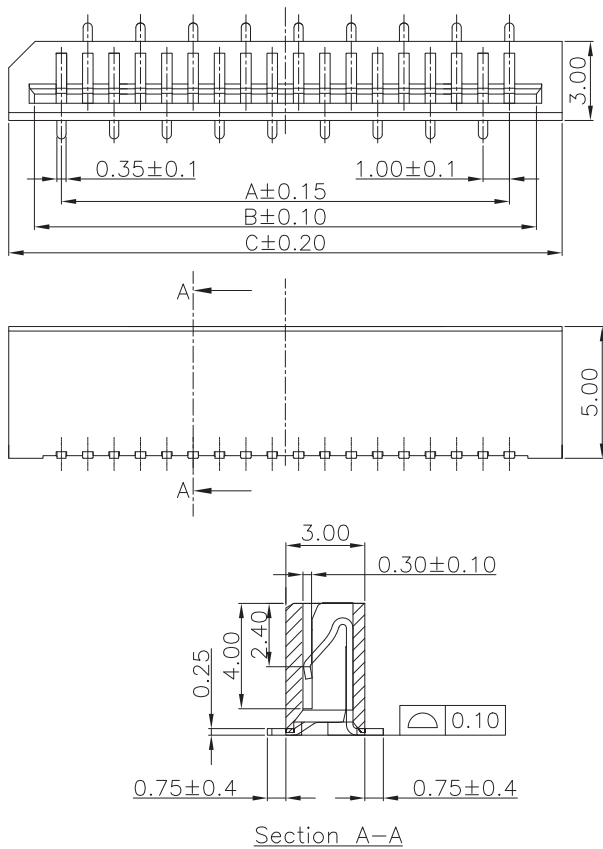
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+105°C

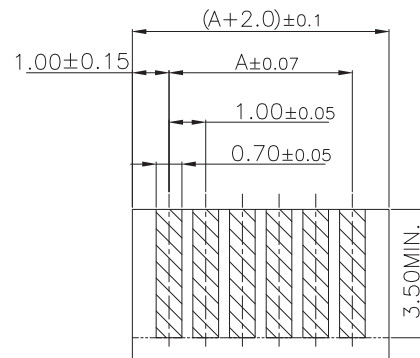
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : White / Natural
3. Contacts : Phosphor Bronze
4. Plated : Tin Plated

Detail Drawing



Recommended PCB Layout



FPC Dimension
Thickness: $0.3 \pm 0.03 \text{ mm}$.

Ordering Information

1224SM1-XX-30

- ① SMD
② No. of Contacts

Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
3	2.0	4.05	6.0	17	16.0	18.05	20.0
4	3.0	5.05	7.0	18	17.0	19.05	21.0
5	4.0	6.05	8.0	19	18.0	20.05	22.0
6	5.0	7.05	9.0	20	19.0	21.05	23.0
7	6.0	8.05	10.0	21	20.0	22.05	24.0
8	7.0	9.05	11.0	22	21.0	23.05	25.0
9	8.0	10.05	12.0	23	22.0	24.05	26.0
10	9.0	11.05	13.0	24	23.0	25.05	27.0
11	10.0	12.05	14.0	25	24.0	26.05	28.0
12	11.0	13.05	15.0	26	25.0	27.05	29.0
13	12.0	14.05	16.0	27	26.0	28.05	30.0
14	13.0	15.05	17.0	28	27.0	29.05	31.0
15	14.0	16.05	18.0	29	28.0	30.05	32.0
16	15.0	17.05	19.0	30	29.0	31.05	33.0

IDC

FPC & FFC

Wire To Board

Board To Board

1.00mm FPC Non ZIF Connector Single Contact R/A SMD Type

1224SM1-XX-40-02

UNIT : mm



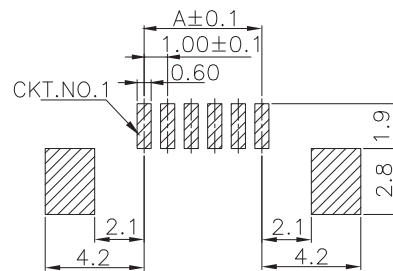
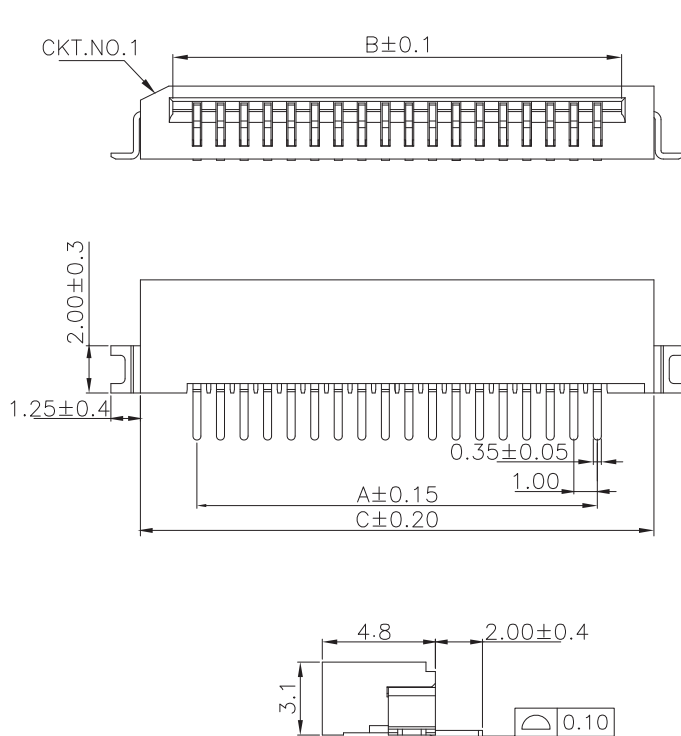
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+105°C

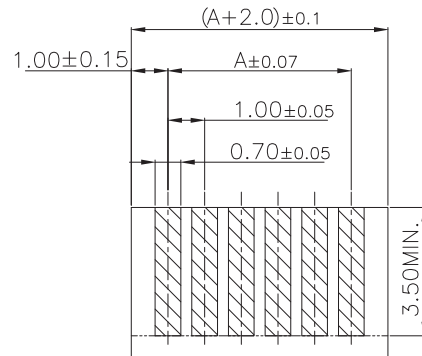
► Material and Finish

1. Plastic : High Temp. Plastic (UL94V-0)
2. Plastic Color : White / Natural
3. Contacts : Phosphor Bronze
4. Plated : Tin Plated

Detail Drawing



Recommended PCB Layout



FPC Dimension
Thickness: 0.3±0.03mm.

Ordering Information

1224SM1-XX-40-02

- ① SMD
② No. of Contacts
③ Bottom Contact

Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
4	3	5.05	7.8	18	17	19.05	21.8
5	4	6.05	8.8	19	18	20.05	22.8
6	5	7.05	9.8	20	19	21.05	23.8
7	6	8.05	10.8	21	20	22.05	24.8
8	7	9.05	11.8	22	21	23.05	25.8
9	8	10.05	12.8	23	22	24.05	26.8
10	9	11.05	13.8	24	23	25.05	27.8
11	10	12.05	14.8	25	24	26.05	28.8
12	11	13.05	15.8	26	25	27.05	29.8
13	12	14.05	16.8	27	26	28.05	30.8
14	13	15.05	17.8	28	27	29.05	31.8
15	14	16.05	18.8	29	28	30.05	32.8
16	15	17.05	19.8	30	29	31.05	33.8
17	16	18.05	20.8				

1.00mm FPC Non ZIF Connector Single Contact R/A SMD Type

1224SM1-XX-40-03

UNIT : mm



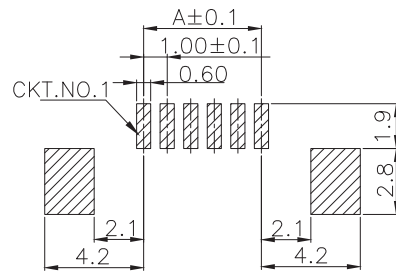
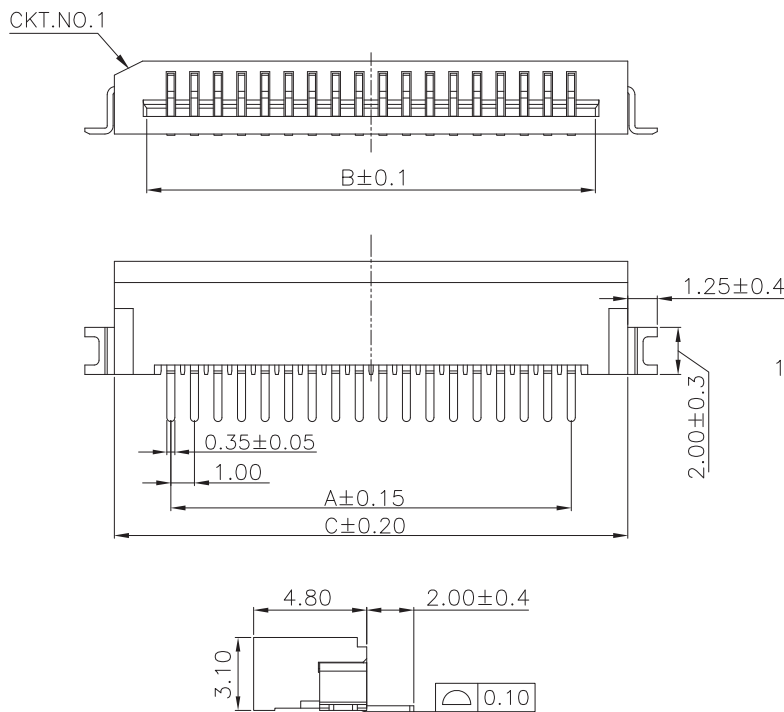
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+105°C

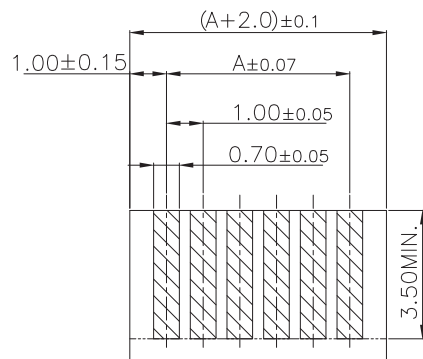
► Material and Finish

1. Plastic : High Temp. Plastic (UL94V-0)
2. Plastic Color : White / Natural
3. Contacts : Phosphor Bronze
4. Plated : Tin Plated

Detail Drawing



Recommended PCB Layout



FPC Dimension
Thickness: 0.3±0.03mm.

Ordering Information

1224SM1-XX-40-03

- ① SMD
② No. of Contacts
③ Upper Contact

Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
4	3	5.05	7.8	18	17	19.05	21.8
5	4	6.05	8.8	19	18	20.05	22.8
6	5	7.05	9.8	20	19	21.05	23.8
7	6	8.05	10.8	21	20	22.05	24.8
8	7	9.05	11.8	22	21	23.05	25.8
9	8	10.05	12.8	23	22	24.05	26.8
10	9	11.05	13.8	24	23	25.05	27.8
11	10	12.05	14.8	25	24	26.05	28.8
12	11	13.05	15.8	26	25	27.05	29.8
13	12	14.05	16.8	27	26	28.05	30.8
14	13	15.05	17.8	28	27	29.05	31.8
15	14	16.05	18.8	29	28	30.05	32.8
16	15	17.05	19.8	30	29	31.05	33.8
17	16	18.05	20.8				

IDC

FPC & FFC

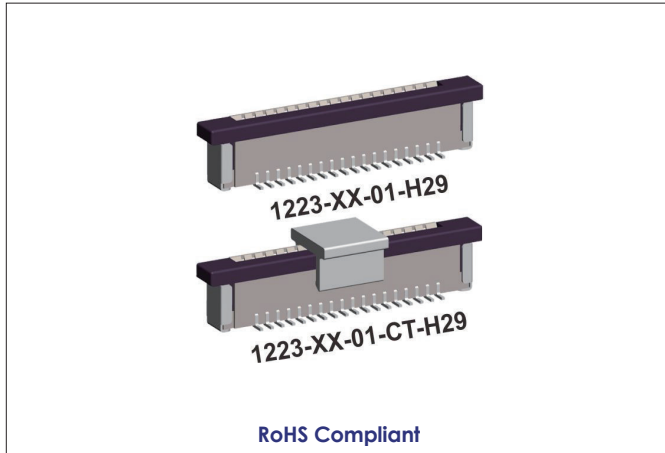
Wire To Board

Board To Board

1.00mm FPC ZIF Straight SMD Type Connector

1223-XX-01-H29

UNIT : mm



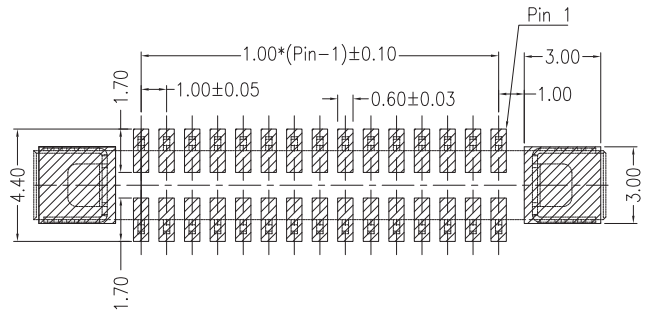
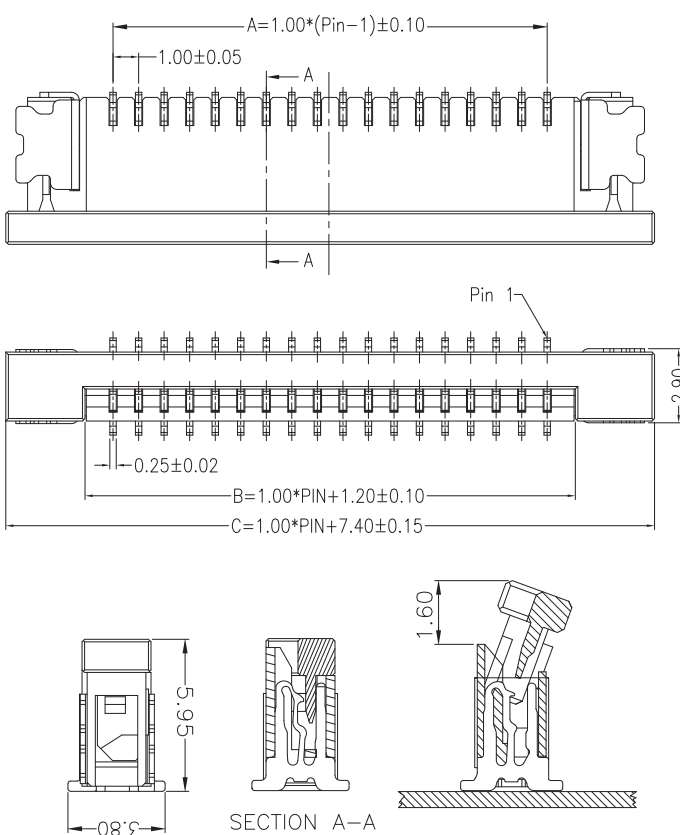
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+105°C

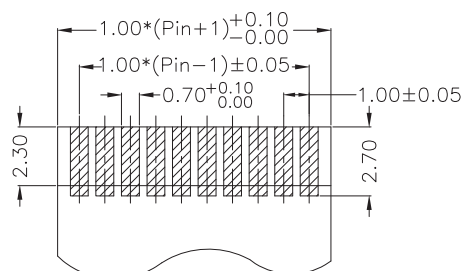
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Ivory
3. Contacts : Phosphor Bronze
4. Plated : Tin Plated

Detail Drawing



Recommended PCB Layout



FPC Dimension
Thickness: 0.3±0.03mm.

Ordering Information

1223-XX-01-H29

① ② ③

- ① No. of Contacts
- ② Vertical Contact Type
- ③ Height 2.90mm

Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
3	2.0	4.2	10.4	17	16.0	18.2	24.4
4	3.0	5.2	11.4	18	17.0	19.2	25.4
5	4.0	6.2	12.4	19	18.0	20.0	26.4
6	5.0	7.2	13.4	20	19.0	21.2	27.4
7	6.0	8.2	14.4	21	20.0	22.2	28.4
8	7.0	9.2	15.4	22	21.0	23.2	29.4
9	8.0	10.2	16.4	23	22.0	24.2	30.4
10	9.0	11.2	17.4	24	23.0	25.2	31.4
11	10.0	12.2	18.4	25	24.0	26.2	32.4
12	11.0	13.2	19.4	26	25.0	27.2	33.4
13	12.0	14.2	20.4	27	26.0	28.2	34.4
14	13.0	15.2	21.4	28	27.0	29.2	35.4
15	14.0	16.2	22.4	29	28.0	30.2	36.7
16	15.0	17.2	23.4	30	29.0	31.2	37.4

IDC

FPC & FFC

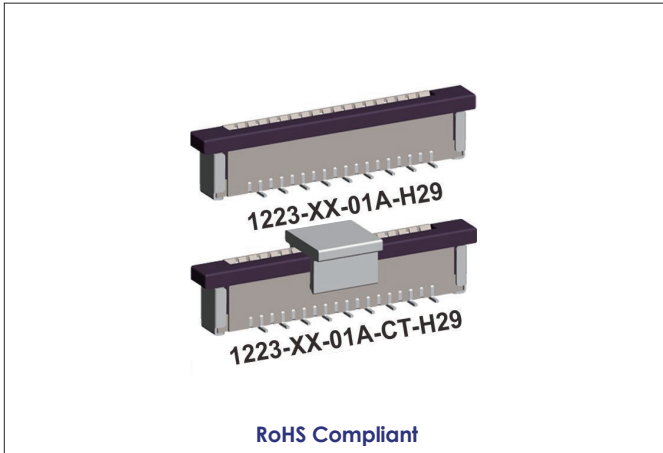
Wire To Board

Board To Board

1.00mm FPC ZIF Straight SMD Type Connector

1223-XX-01A-H29

UNIT : mm



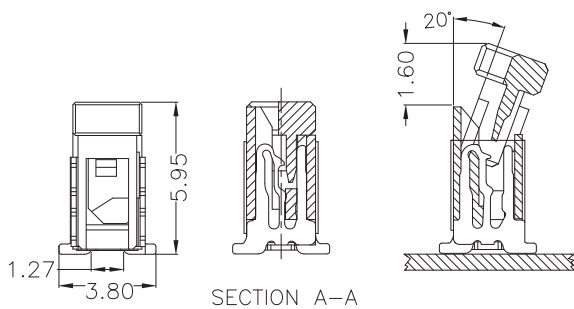
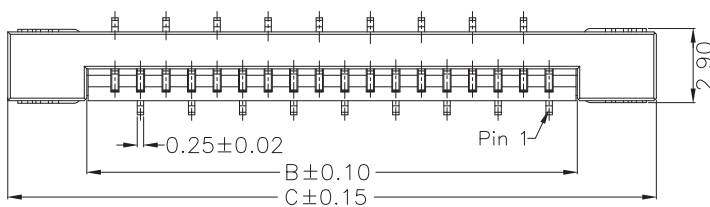
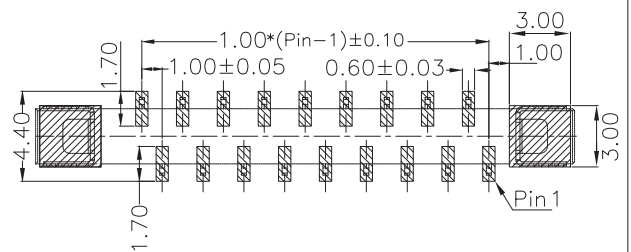
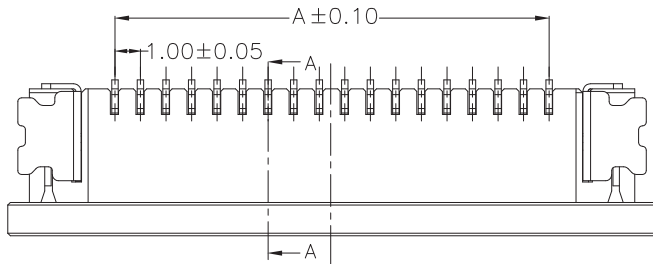
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+105°C

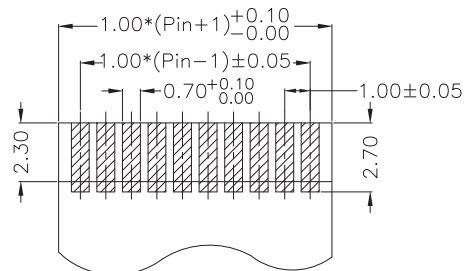
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Ivory
3. Contacts : Phosphor Bronze
4. Plated : Tin Plated

Detail Drawing



Recommended PCB Layout



FPC Dimension
Thickness: 0.3±0.03mm.

Ordering Information

1223-XX-01A-H29

① ② ③

- ① No. of Contacts
- ② Vertical Contact A Type
- ③ Height 2.90mm

Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
3	2.0	4.2	10.4	17	16.0	18.2	24.4
4	3.0	5.2	11.4	18	17.0	19.2	25.4
5	4.0	6.2	12.4	19	18.0	20.0	26.4
6	5.0	7.2	13.4	20	19.0	21.2	27.4
7	6.0	8.2	14.4	21	20.0	22.2	28.4
8	7.0	9.2	15.4	22	21.0	23.2	29.4
9	8.0	10.2	16.4	23	22.0	24.2	30.4
10	9.0	11.2	17.4	24	23.0	25.2	31.4
11	10.0	12.2	18.4	25	24.0	26.2	32.4
12	11.0	13.2	19.4	26	25.0	27.2	33.4
13	12.0	14.2	20.4	27	26.0	28.2	34.4
14	13.0	15.2	21.4	28	27.0	29.2	35.4
15	14.0	16.2	22.4	29	28.0	30.2	36.7
16	15.0	17.2	23.4	30	29.0	31.2	37.4

IDC

FPC & FFC

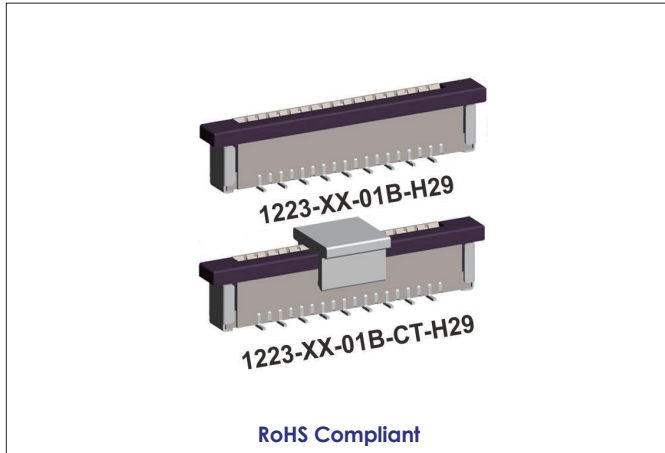
Wire To Board

Board To Board

1.00mm FPC ZIF Straight SMD Type Connector

1223-XX-01B-H29

UNIT : mm



► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+105°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Ivory
3. Contacts : Phosphor Bronze
4. Plated : Tin Plated

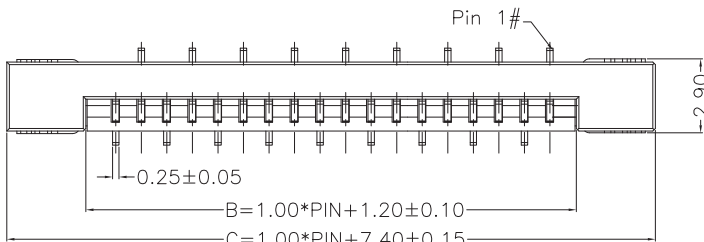
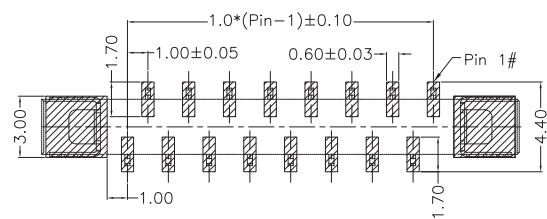
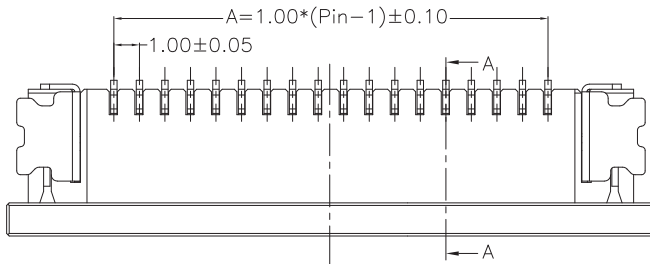
IDC

FPC & FFC

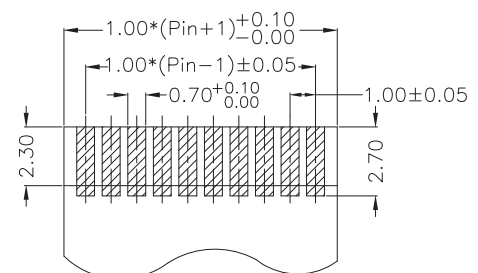
Wire To Board

Board To Board

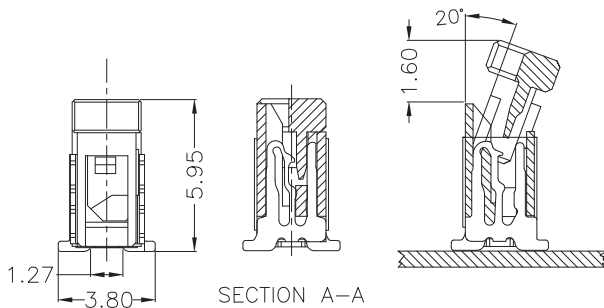
Detail Drawing



Recommended PCB Layout



FPC Dimension
Thickness: 0.3 ± 0.03mm.



Ordering Information

1223-XX-01B-H29

① ② ③

- ① No. of Contacts
- ② Vertical Contact B Type
- ③ Height 2.90mm

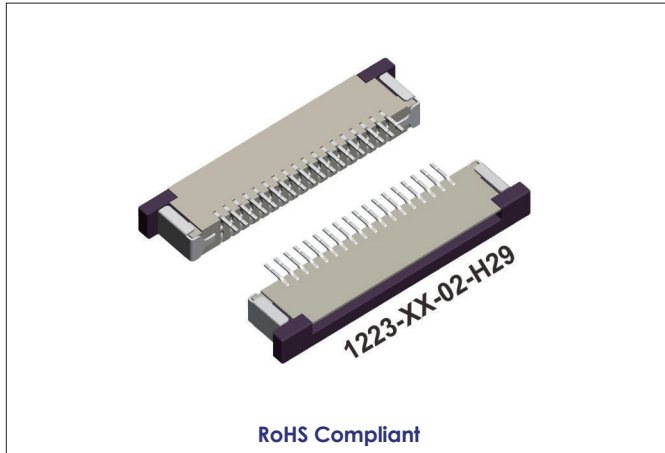
Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
3	2.0	4.2	10.4	17	16.0	18.2	24.4
4	3.0	5.2	11.4	18	17.0	19.2	25.4
5	4.0	6.2	12.4	19	18.0	20.0	26.4
6	5.0	7.2	13.4	20	19.0	21.2	27.4
7	6.0	8.2	14.4	21	20.0	22.2	28.4
8	7.0	9.2	15.4	22	21.0	23.2	29.4
9	8.0	10.2	16.4	23	22.0	24.2	30.4
10	9.0	11.2	17.4	24	23.0	25.2	31.4
11	10.0	12.2	18.4	25	24.0	26.2	32.4
12	11.0	13.2	19.4	26	25.0	27.2	33.4
13	12.0	14.2	20.4	27	26.0	28.2	34.4
14	13.0	15.2	21.4	28	27.0	29.2	35.4
15	14.0	16.2	22.4	29	28.0	30.2	36.7
16	15.0	17.2	23.4	30	29.0	31.2	37.4

1.00mm FPC ZIF R/A SMD Type Connector

1223-XX-02-H29

UNIT : mm



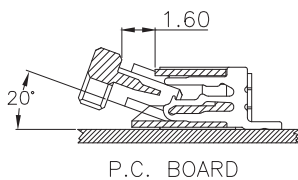
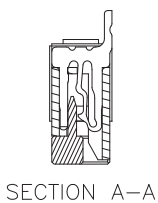
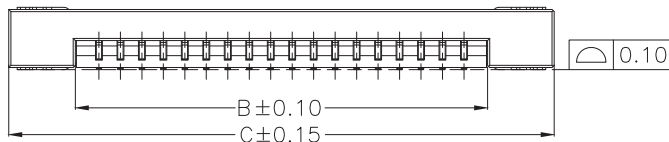
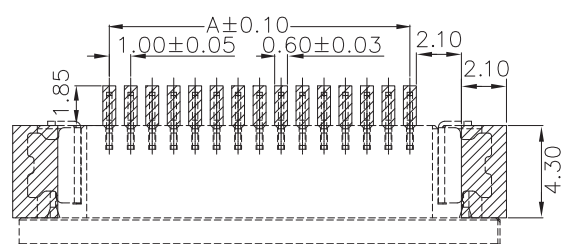
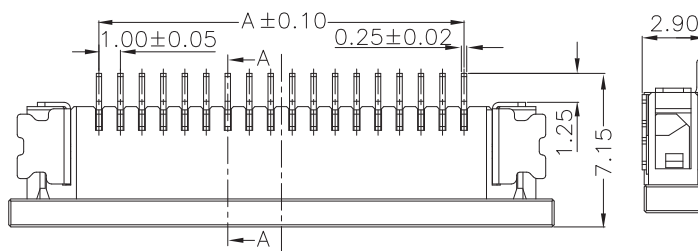
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Dielectric Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+105°C

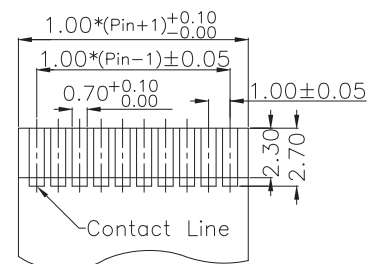
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Contact : Copper Alloy
3. Plated : Tin Plated

Detail Drawing



Recommended PCB Layout



FPC Dimension
Thickness: 0.3±0.03mm.

Ordering Information

1223-XX-02-H29

① ② ③

- ① No. of Contacts
- ② Bottom Contact Type
- ③ Height 2.90mm

Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
3	2.0	4.2	10.4	14	13.0	15.2	21.4
4	3.0	5.2	11.4	15	14.0	16.2	22.4
5	4.0	6.2	12.4	16	15.0	17.2	23.4
6	5.0	7.2	13.4	18	17.0	19.2	25.4
8	7.0	9.2	15.4	20	19.0	21.2	27.4
9	8.0	10.2	16.4	22	21.0	23.2	29.4
10	9.0	11.2	17.4	23	22.0	24.2	30.4
12	11.0	13.2	19.4	28	27.0	29.2	35.4
13	12.0	14.2	20.4	30	29.0	31.2	37.4

IDC

FPC & FFC

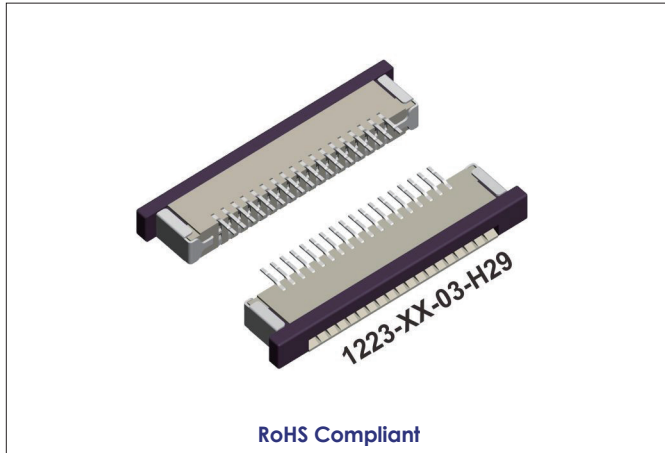
Wire To Board

Board To Board

1.00mm FPC ZIF R/A SMD Type Connector

1223-XX-03-H29

UNIT : mm



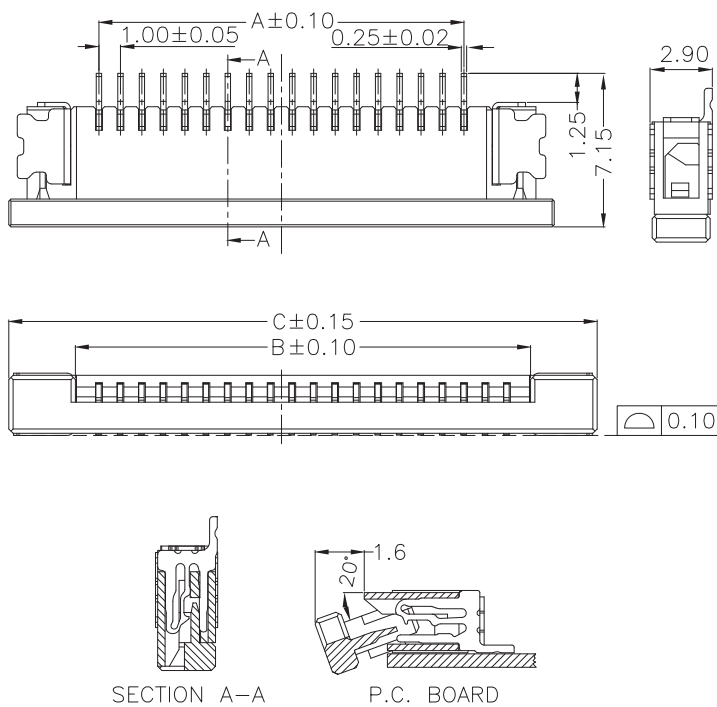
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 100V AC/DC
3. Contact Resistance : 30m ohm. max
4. Insulation Resistance : 100M ohm. min
5. Dielectric Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -25°C~+105°C

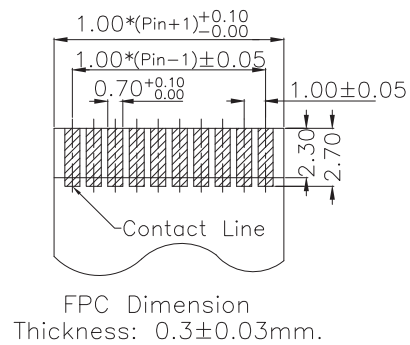
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Contact : Copper Alloy
3. Plated : Tin Plated

Detail Drawing



Recommended PCB Layout



Ordering Information

1223-XX-03-H29

① ② ③

- ① No. of Contacts
- ② Upper Contact Type
- ③ Height 2.90mm

Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
3	2.0	4.2	10.4	14	13.0	15.2	21.4
4	3.0	5.2	11.4	15	14.0	16.2	22.4
5	4.0	6.2	12.4	16	15.0	17.2	23.4
6	5.0	7.2	13.4	18	17.0	19.2	25.4
8	7.0	9.2	15.4	20	19.0	21.2	27.4
9	8.0	10.2	16.4	22	21.0	23.2	29.4
10	9.0	11.2	17.4	23	22.0	24.2	30.4
12	11.0	13.2	19.4	28	27.0	29.2	35.4
13	12.0	14.2	20.4	30	29.0	31.2	37.4

IDC

FPC & FFC

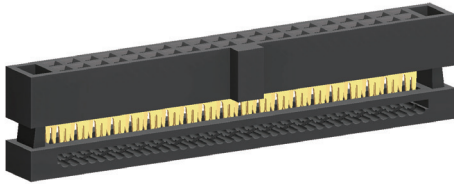
Wire To Board

Board To Board

1.27 X 1.27mm Flat Cable IDC Socket

4412-XX-XX

UNIT : mm



RoHS Compliant

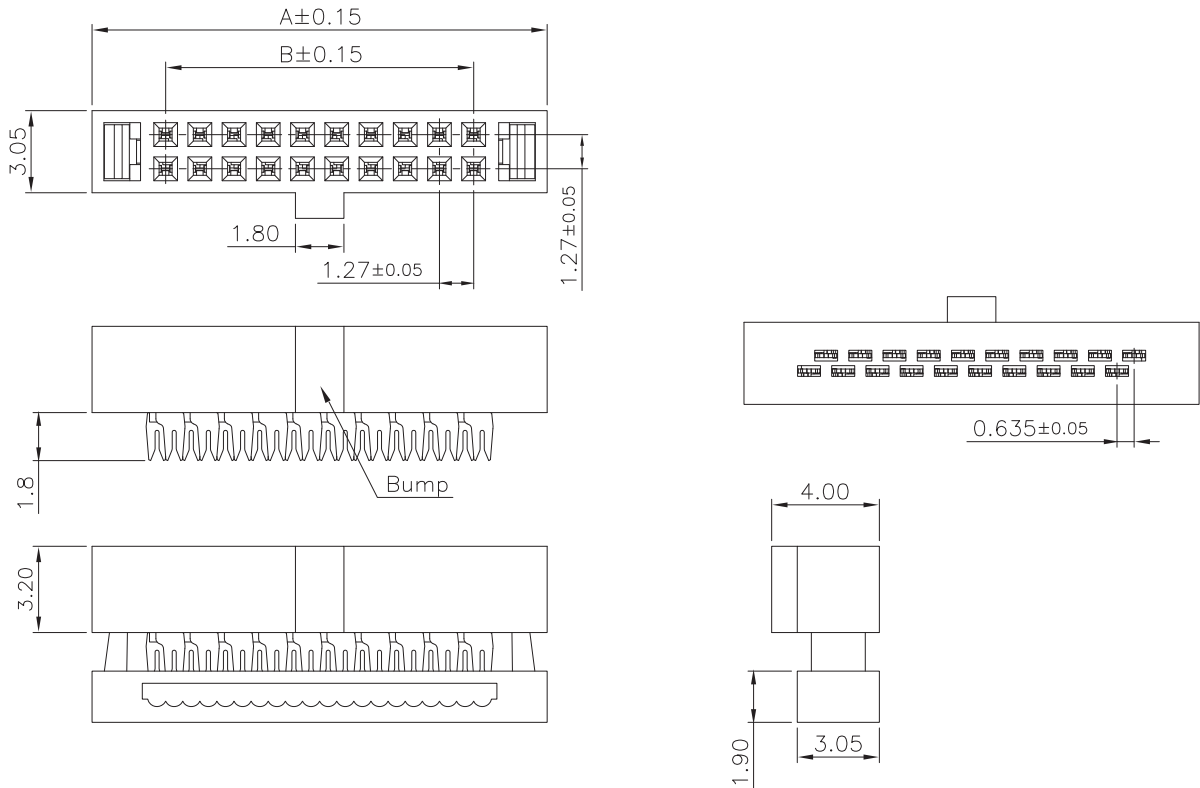
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 1000M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -40°C~+105°C

► Material and Finish

1. Insulator : PBT (UL94V-0)
2. Insulator Color : Black
3. Terminal : Phosphor Bronze
4. Finish : Gold Plated

Detail Drawing



Ordering Information

4412-XX-XX

① ②

- ① No. of Contacts
- ② Blank : Without Bump
CK : With Bump

Engineering Dimension

Pin. No	A	B	Pin. No	A	B
6	8.00	2.54	28	21.97	16.51
8	9.27	3.81	30	23.24	17.78
10	10.54	5.08	34	25.78	20.32
12	11.81	6.35	40	29.59	24.13
14	13.08	7.62	44	32.13	26.67
16	14.35	8.89	50	35.94	30.48
18	15.62	10.16	52	37.21	31.75
20	16.89	11.43	60	42.29	36.83
24	19.43	13.97			
26	20.70	15.24			

IDC

FPC & FFC

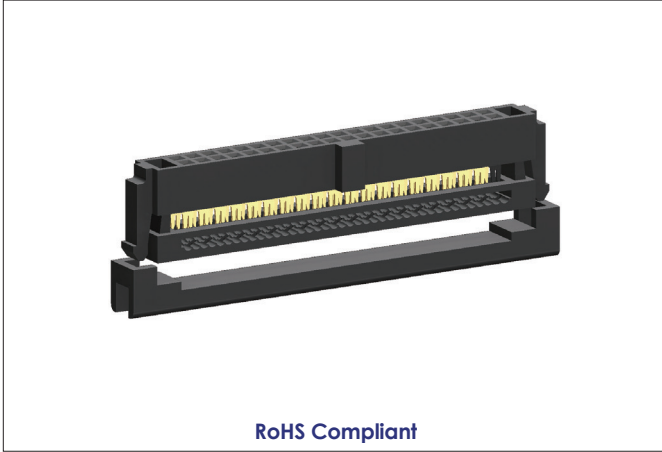
Wire To Board

Board To Board

1.27 X 1.27mm Flat Cable IDC Socket With Strain Relief

4412-XXSR-XX

UNIT : mm



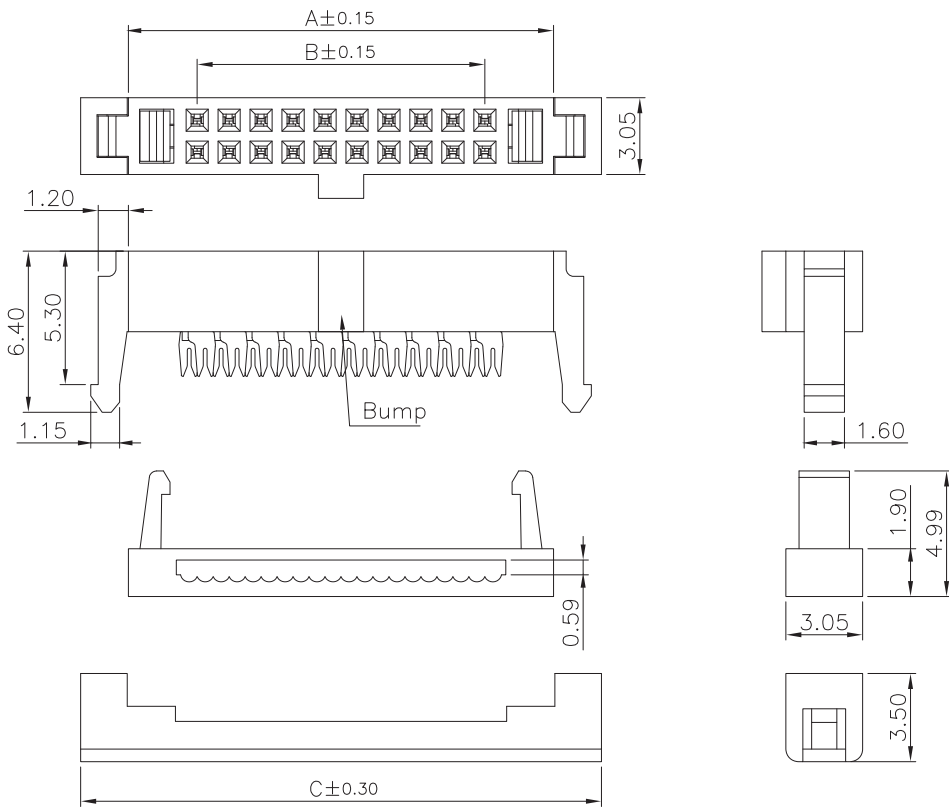
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 1000M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -40°C~+105°C

► Material and Finish

1. Insulator : PBT (UL94V-0)
2. Insulator Color : Black
3. Terminal : Phosphor Bronze
4. Finish : Gold Plated

Detail Drawing



Ordering Information

4412-XXSR-XX

① ② ③

- ① No. of Contacts
- ② With Strain Relief
- ③ Blank : Without Bump
CK : With Bump

Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
6	8.00	2.54	11.80	28	21.97	16.51	25.77
8	9.27	3.81	13.07	30	23.24	17.78	27.04
10	10.54	5.08	14.34	34	25.78	20.32	29.58
12	11.81	6.35	15.61	40	29.59	24.13	33.39
14	13.08	7.62	16.88	44	32.13	26.67	35.93
16	14.35	8.89	18.15	50	35.94	30.48	39.74
18	15.62	10.16	19.42	52	37.21	31.75	41.01
20	16.89	11.43	20.69	60	42.29	36.83	46.09
24	19.43	13.97	23.23				
26	20.70	15.24	24.50				

IDC

FPC & FFC

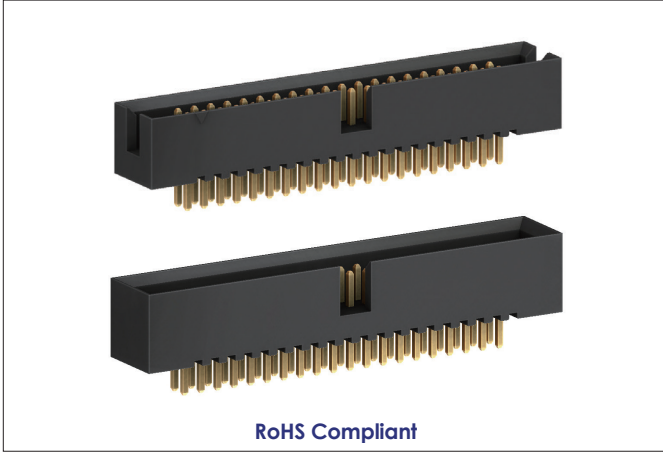
Wire To Board

Board To Board

1.27 Pitch Box Header Straight Type

2195S-XXX-X

UNIT : mm



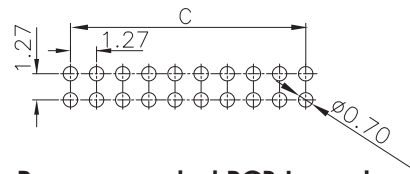
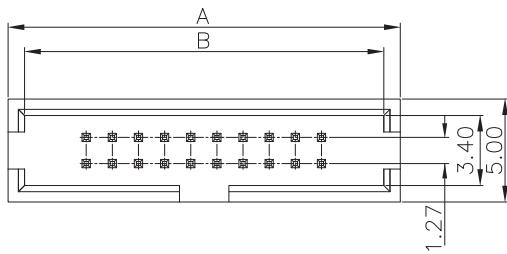
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 1000M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -40°C~+105°C

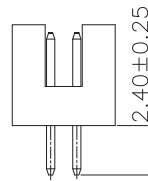
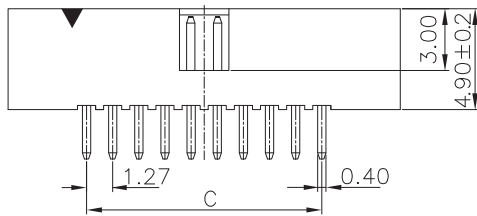
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Terminal : Brass
4. Plated : Gold Plated

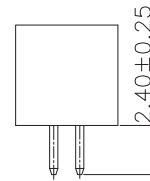
Detail Drawing



Recommended PCB Layout



2195S-XXX-K



2195S-XXX

Ordering Information

2195S-XXX-X

① ② ③ ④

- ① Straight Type
- ② No. of Contacts
- ③ G : Gold Plated
T : Tin Plated
- ④ Blank : W / O Key
K : With Key

Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
6	10.16	8.56	2.54	26	22.86	21.26	15.24
8	11.43	9.83	3.81	28	24.13	22.53	16.51
10	12.70	11.10	5.08	30	25.40	23.82	17.78
12	13.97	12.37	6.35	34	27.94	26.34	20.32
14	15.24	13.64	7.62	40	31.75	30.15	24.13
16	16.51	14.91	8.89	44	34.29	32.69	26.67
20	19.05	17.45	11.43	50	38.10	36.50	30.48
24	21.59	19.99	13.97	60	44.45	42.85	36.83

IDC

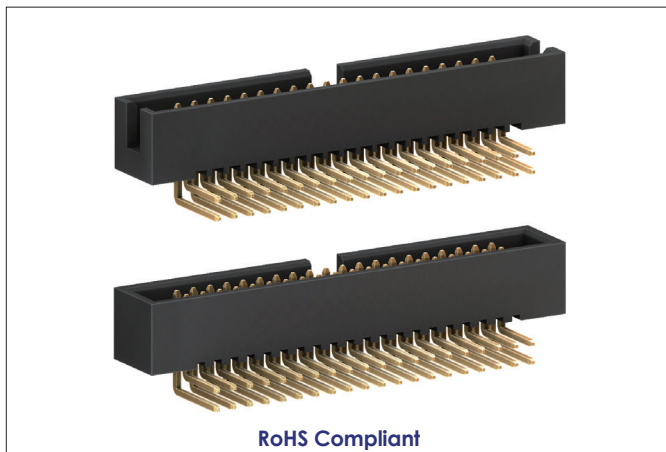
FPC & FFC

Wire To Board

Board To Board

2195R-XXX-X

UNIT : mm



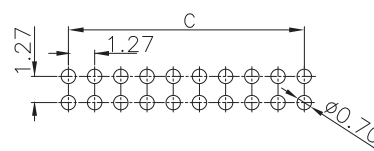
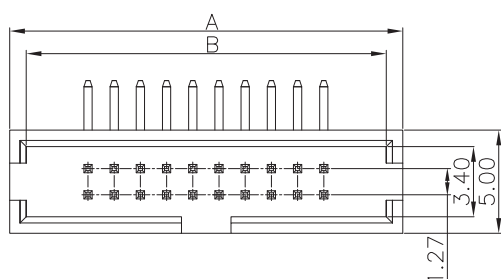
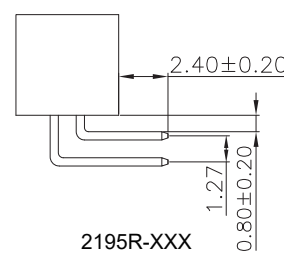
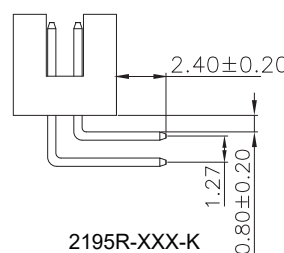
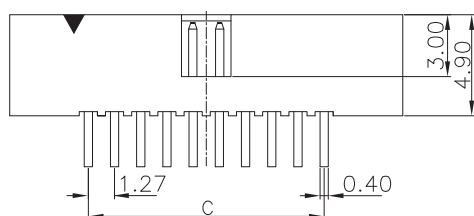
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 1000M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -40°C~+105°C

► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Terminal : Brass
4. Plated : Gold Plated

Detail Drawing


Recommended PCB Layout


Ordering Information

2195R-XXX-X

① ② ③ ④

- ① Right Angle
- ② No. of Contacts
- ③ G : Gold Plated
T : Tin Plated
- ④ Blank : W / O Key
K : With Key

Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
6	10.16	8.56	2.54	26	22.86	21.26	15.24
8	11.43	9.83	3.81	28	24.13	22.53	16.51
10	12.70	11.10	5.08	30	25.40	23.82	17.78
12	13.97	12.37	6.35	34	27.94	26.34	20.32
14	15.24	13.64	7.62	40	31.75	30.15	24.13
16	16.51	14.91	8.89	44	34.29	32.69	26.67
20	19.05	17.45	11.43	50	38.10	36.50	30.48
24	21.59	19.99	13.97	60	44.45	42.85	36.83

IDC

FPC & FFC

Wire To Board

Board To Board

1.27 Pitch Box Header SMD Type

2195SM-XXX-X

UNIT : mm



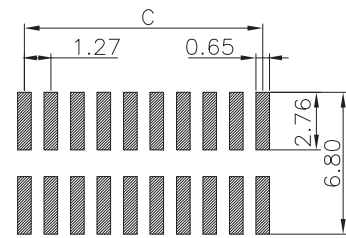
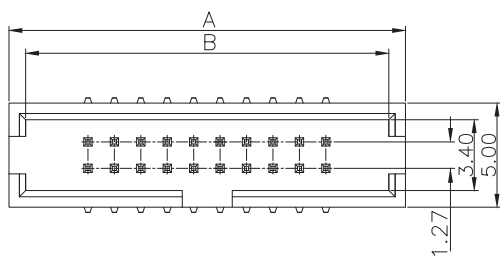
► Specifications

1. Current Rating : 1.0A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 20m ohm. max
4. Insulation Resistance : 1000M ohm. min
5. Withstanding Voltage : 500V AC for one minute
6. Operating Temperature Range : -40°C~+105°C

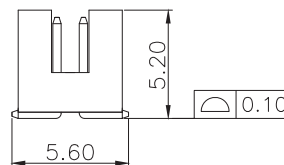
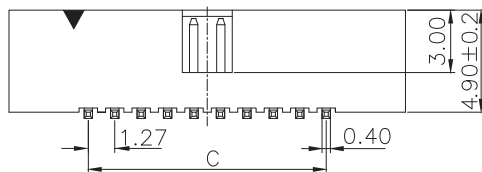
► Material and Finish

1. Insulator : High Temp. Plastic (UL94V-0)
2. Insulator Color : Black
3. Terminal : Brass
4. Plated : Gold Plated

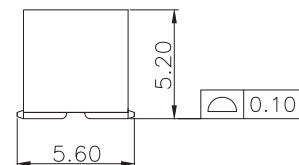
Detail Drawing



Recommended PCB Layout



2195SM-XXX-K



2195SM-XXX

Ordering Information

2195SM-XXX-X

① ② ③ ④

- ① SMD
- ② No. of Contacts
- ③ G : Gold Plated
T : Tin Plated
- ④ Blank : W / O Key
K : With Key

Engineering Dimension

Pin. No	A	B	C	Pin. No	A	B	C
6	10.16	8.56	2.54	26	22.86	21.26	15.24
8	11.43	9.83	3.81	28	24.13	22.53	16.51
10	12.70	11.10	5.08	30	25.40	23.82	17.78
12	13.97	12.37	6.35	34	27.94	26.34	20.32
14	15.24	13.64	7.62	40	31.75	30.15	24.13
16	16.51	14.91	8.89	44	34.29	32.69	26.67
20	19.05	17.45	11.43	50	38.10	36.50	30.48
24	21.59	19.99	13.97	60	44.45	42.85	36.83

IDC

FPC & FFC

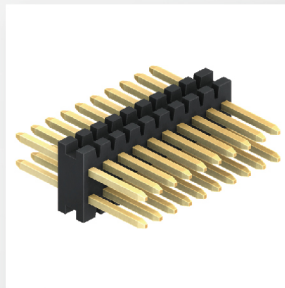
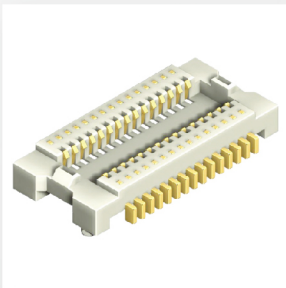
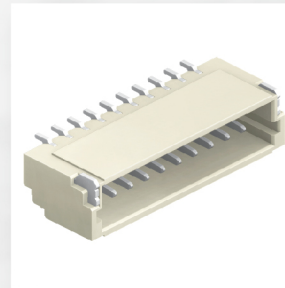
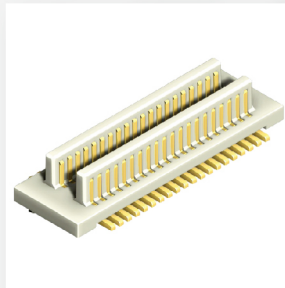
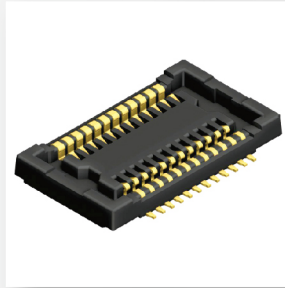
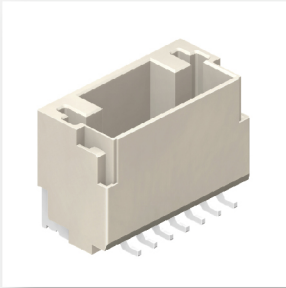
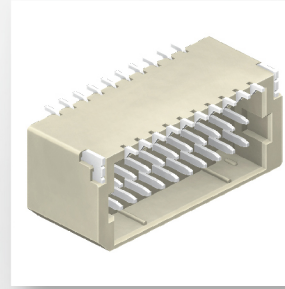
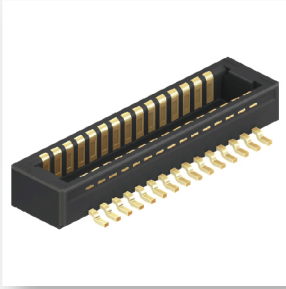
Wire To Board

Board To Board



Neltron Industrial Co., Ltd.

Fine Pitch Series



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