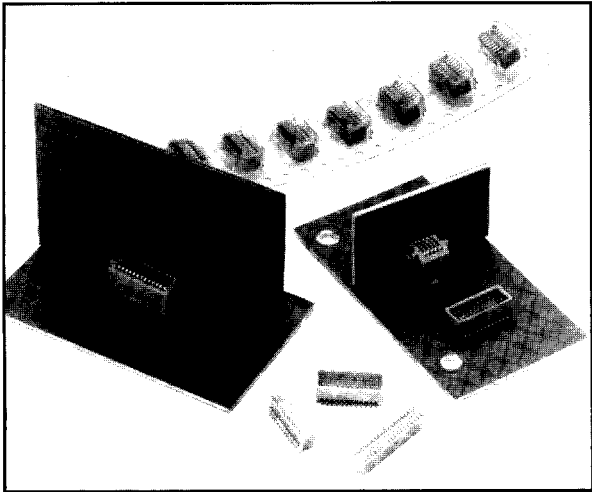


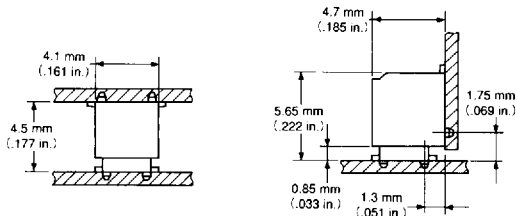
IL-WX SERIES CONNECTORS

0.8mm (.031") Contact Spacing, PCB-to-PCB SMT Connectors



FEATURES

- Low profile, high-density contact arrangement
- Vertical and parallel connection of boards
- High heat resistant glass-filled PPS insulator
- Polarization boss/hold-downs
- Embossed tape: Available in embossed tape for automatic SMT mounting. Please consult JAE for further information



ORDERING INFORMATION

IL - WX - 10 S - VF - *
IL - WX - 10 P B - HF - HD - S - *

Series _____
No. of Contacts _____
6 to 36 (Even Number)
Contact Type _____
P – Pin
S – Socket
Polarization Boss _____
Blank – No Boss
B – Polarization Boss
Termination _____
VF – Straight
HF – Right Angle
Hold Down _____
Modification Code _____
Insulator Color _____
B – Black

.....

IL-WX Series connectors are designed for board-to-board applications. Designed with extremely small spacing, centers are on 0.8mm (.031") with double row contact arrangement. The connector features SMT contact configuration for automatic mounting. It is intended for use in portable appliances size reduction is important. Applications include 8mm and C cassette tape video movie cameras.

GENERAL SPECIFICATIONS

Number of Contacts	6 to 36 (double row)
Contact Spacing	0.8mm (.031")
Current Rating	0.5 Amps.
Dielectric Withstanding Voltage	500 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	25 milliohms max.
Operating Temperature Range	-40°C to +85°C

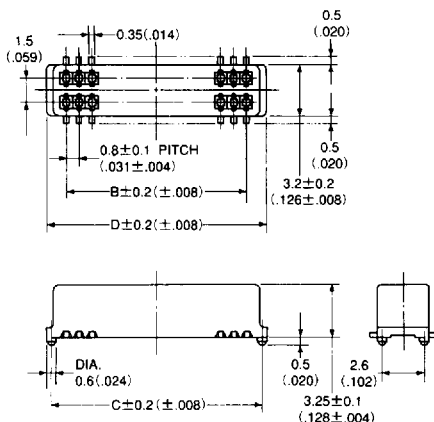
MATERIALS AND FINISHES

Description	Materials/Finishes
Insulator	Glass-filled PPS (UL94V-0, Black)
Pin Contact	Copper alloy/Tin Plating
Socket Contact	Phosphor Bronze/Tin Plating
Hold-down	Phosphor Bronze/Tin Plating

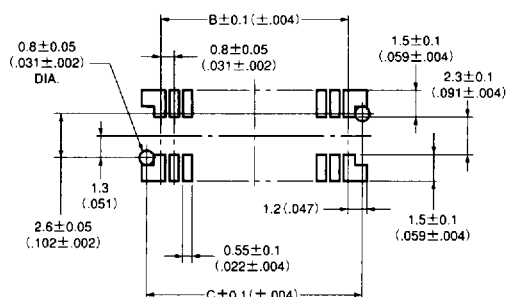
IL-WX SERIES CONNECTORS

0.8mm (.031") Contact Spacing, PCB-to-PCB SMT Connectors

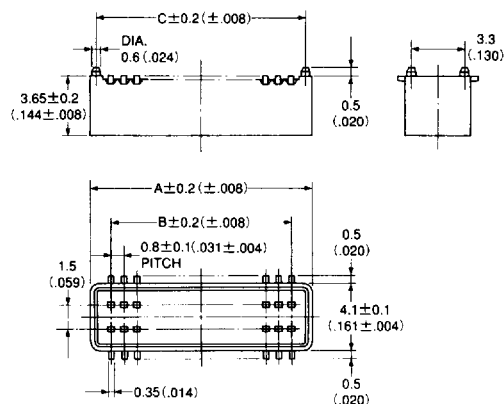
SOCKET



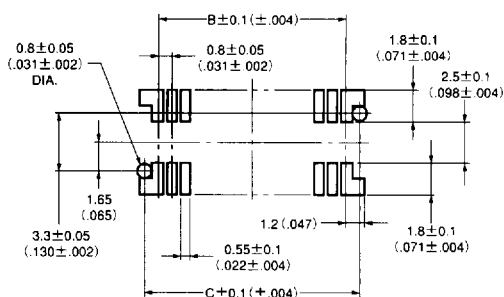
PCB Layout (Ref.)



STRAIGHT PIN HEADER



PCB Layout (Ref.)



No. of Contacts	Part Number		A	B	C	D
	Socket	Straight Pin Header				
6	IL-WX- 6S*-VF-B	IL-WX- 6PB-VF-B	4.2 (.165)	1.6 (.063)	3.4 (.134)	4.0 (.157)
8	IL-WX- 8S*-VF-B	IL-WX- 8PB-VF-B	5.0 (.197)	2.4 (.094)	4.2 (.165)	4.8 (.189)
10	IL-WX-10S*-VF-B	IL-WX-10PB-VF-B	5.8 (.228)	3.2 (.126)	5.0 (.197)	5.6 (.220)
12	IL-WX-12S*-VF-B	IL-WX-12PB-VF-B	6.6 (.260)	4.0 (.157)	5.8 (.228)	6.4 (.252)
14	IL-WX-14S*-VF-B	IL-WX-14PB-VF-B	7.4 (.291)	4.8 (.189)	6.6 (.260)	7.2 (.283)
16	IL-WX-16S*-VF-B	IL-WX-16PB-VF-B	8.2 (.323)	5.6 (.220)	7.4 (.291)	8.0 (.315)
18	IL-WX-18S*-VF-B	IL-WX-18PB-VF-B	9.0 (.354)	6.4 (.252)	8.2 (.323)	8.8 (.346)
20	IL-WX-20S*-VF-B	IL-WX-20PB-VF-B	9.8 (.386)	7.2 (.283)	9.0 (.354)	9.6 (.378)
22	IL-WX-22S*-VF-B	IL-WX-22PB-VF-B	10.6 (.417)	8.0 (.315)	9.8 (.386)	10.4 (.409)
24	IL-WX-24S*-VF-B	IL-WX-24PB-VF-B	11.4 (.449)	8.8 (.346)	10.6 (.417)	11.2 (.441)
26	IL-WX-26S*-VF-B	IL-WX-26PB-VF-B	12.2 (.480)	9.6 (.378)	11.4 (.449)	12.0 (.472)
28	IL-WX-28S*-VF-B	IL-WX-28PB-VF-B	13.0 (.512)	10.4 (.409)	12.2 (.480)	12.8 (.504)
30	IL-WX-30S*-VF-B	IL-WX-30PB-VF-B	13.8 (.543)	11.2 (.441)	13.0 (.512)	13.6 (.535)
32	IL-WX-32S*-VF-B	IL-WX-32PB-VF-B	14.6 (.575)	12.0 (.472)	13.8 (.543)	14.4 (.567)
34	IL-WX-34S*-VF-B	IL-WX-34PB-VF-B	15.4 (.606)	12.8 (.504)	14.6 (.575)	15.2 (.598)
36	IL-WX-36S*-VF-B	IL-WX-36PB-VF-B	16.2 (.638)	13.6 (.535)	15.4 (.606)	16.0 (.630)

Note 1: * Add the polarization boss code. B—With boss, Blank—No boss

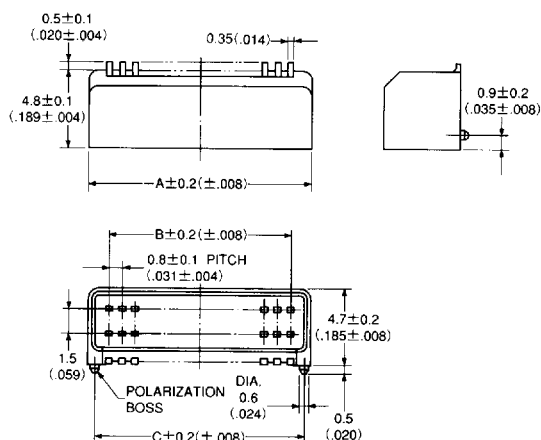
Note 2: Supplied in embossed-tape (Connector 1,000pcs/one reel). Add "-E1000" at the end of Part Number for an order entry.

Example – IL-WX-10PB-VF-B-E1000

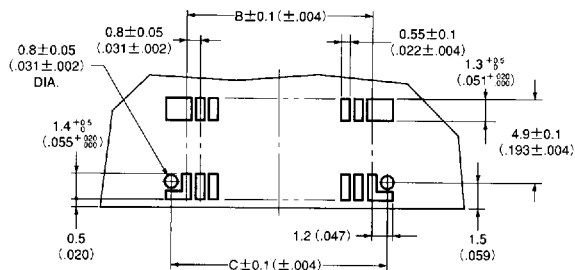
IL-WX SERIES CONNECTORS

0.8mm (.031") Contact Spacing, PCB-to-PCB SMT Connectors

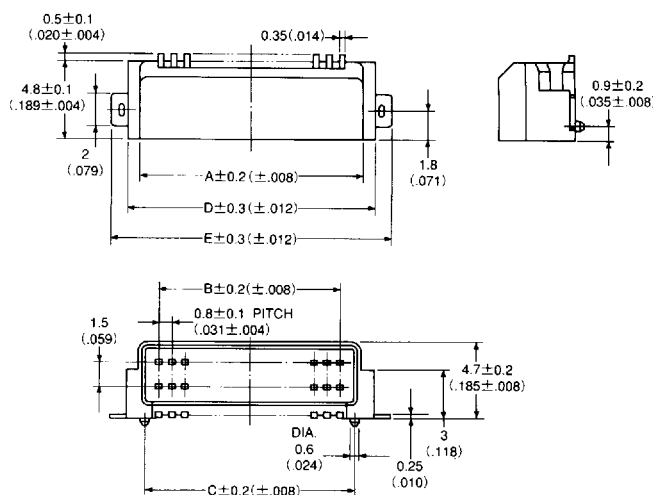
RIGHT ANGLE PIN HEADER



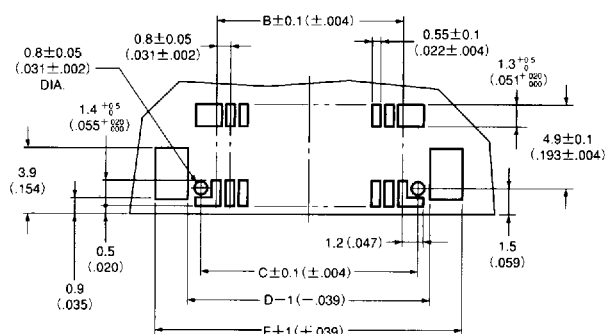
PCB Layout (Ref.)



With Hold-Downs Type



PCB Layout (Ref.)



No. of Contacts	Part Number		A	B	C	D	E
	Without Hold-Down	With Hold-Down					
6	IL-WX- 6P*-HF-B	IL-WX- 6P*-HF-HD-S-B	4.2 (.165)	1.6 (.063)	3.4 (.134)	5.7 (.224)	7.8 (.307)
8	IL-WX- 8P*-HF-B	IL-WX- 8P*-HF-HD-S-B	5.0 (.197)	2.4 (.094)	4.2 (.165)	6.5 (.256)	8.6 (.339)
10	IL-WX-10P*-HF-B	IL-WX-10P*-HF-HD-S-B	5.8 (.228)	3.2 (.126)	5.0 (.197)	7.3 (.287)	9.4 (.370)
12	IL-WX-12P*-HF-B	IL-WX-12P*-HF-HD-S-B	6.6 (.260)	4.0 (.157)	5.8 (.228)	8.1 (.319)	10.2 (.402)
14	IL-WX-14P*-HF-B	IL-WX-14P*-HF-HD-S-B	7.4 (.291)	4.8 (.189)	6.6 (.260)	8.9 (.350)	11.0 (.433)
16	IL-WX-16P*-HF-B	IL-WX-16P*-HF-HD-S-B	8.2 (.323)	5.6 (.220)	7.4 (.291)	9.7 (.382)	11.8 (.465)
18	IL-WX-18P*-HF-B	IL-WX-18P*-HF-HD-S-B	9.0 (.354)	6.4 (.252)	8.2 (.323)	10.5 (.413)	12.6 (.496)
20	IL-WX-20P*-HF-B	IL-WX-20P*-HF-HD-S-B	9.8 (.386)	7.2 (.283)	9.0 (.354)	11.3 (.445)	13.4 (.528)
22	IL-WX-22P*-HF-B	IL-WX-22P*-HF-HD-S-B	10.6 (.417)	8.0 (.315)	9.8 (.386)	12.1 (.476)	14.2 (.559)
24	IL-WX-24P*-HF-B	IL-WX-24P*-HF-HD-S-B	11.4 (.449)	8.8 (.346)	10.6 (.417)	12.9 (.508)	15.0 (.591)
26	IL-WX-26P*-HF-B	IL-WX-26P*-HF-HD-S-B	12.2 (.480)	9.6 (.378)	11.4 (.449)	13.7 (.539)	15.8 (.622)
28	IL-WX-28P*-HF-B	IL-WX-28P*-HF-HD-S-B	13.0 (.512)	10.4 (.409)	12.2 (.480)	14.5 (.571)	16.6 (.654)
30	IL-WX-30P*-HF-B	IL-WX-30P*-HF-HD-S-B	13.8 (.543)	11.2 (.441)	13.0 (.512)	15.3 (.602)	17.4 (.685)
32	IL-WX-32P*-HF-B	IL-WX-32P*-HF-HD-S-B	14.6 (.575)	12.0 (.472)	13.8 (.543)	16.1 (.634)	18.2 (.717)
34	IL-WX-34P*-HF-B	IL-WX-34P*-HF-HD-S-B	15.4 (.606)	12.8 (.504)	14.6 (.575)	16.9 (.665)	19.0 (.748)
36	IL-WX-36P*-HF-B	IL-WX-36P*-HF-HD-S-B	16.2 (.638)	13.6 (.535)	15.4 (.606)	17.7 (.697)	19.8 (.780)

Note 1: *Add the polarization boss code. B—With boss, Blank—No boss

Note 2: Supplied in embossed-tape (Connector 1,000pcs./one reel). Add "-E1000" at the end of Part Number for an order entry.

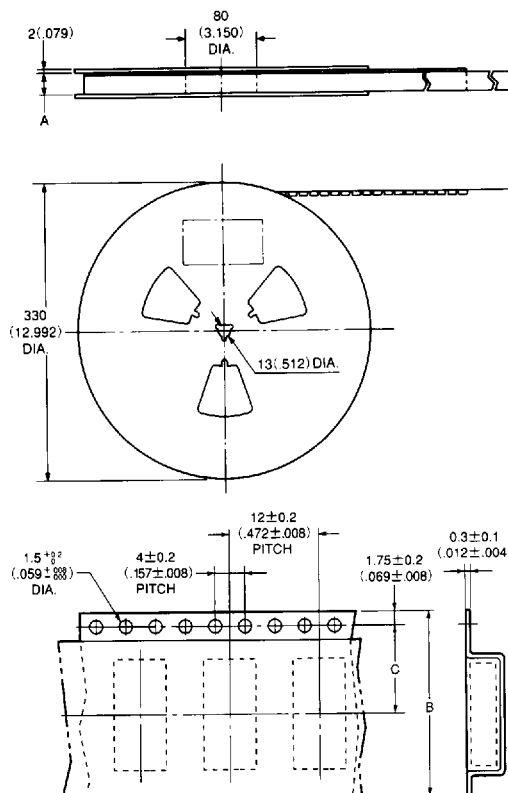
Example — IL-WX-10PB-HF-B-E1000

IL-WX SERIES CONNECTORS

0.8mm (.031") Contact Spacing, PCB-to-PCB SMT Connectors

EMBOSSED TAPE (REF.)

Please consult JAE for embossed tape specification.



Part Number (1,000 pcs./reel)	No. of Contacts	A	B	C
IL-WX-*S*-VF-B-E1000	6 to 20	18 (.709)	16 (.630)	7.5 (.295)
IL-WX-*P*-VF-B-E1000	22 to 36	26 (1.042)	24 (.945)	11.5 (.453)
IL-WX-*P*-HF-B-E1000				
IL-WX-*P*-HF-HD-S-B-E1000	6 to 12	18 (.709)	16 (.630)	7.5 (.295)
	14 to 32	26 (1.042)	24 (.945)	11.5 (.453)
	34, 36 (Note)	34 (1.339)	32 (1.260)	14.2 (.559)

Note: Pilot holes are provided on both sides. Please consult JAE.