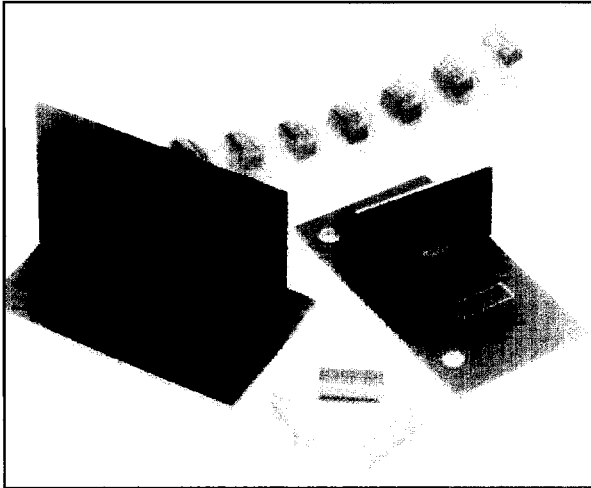


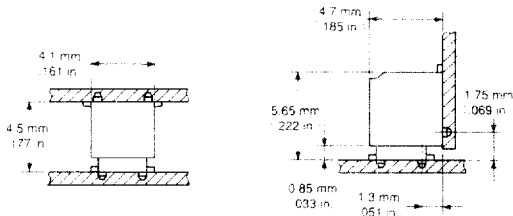
IL-WX SERIES CONNECTORS

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

Series	IL - WX - 10 S - VF - B	
No. of Contacts	IL - WX - 10 P B - HF - HD - S - B - E 1000	Embossed tape 1,000 pcs/reel
Contact Type		
P - Pin		
S - Socket		
Polarizing 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 where size reduction is important. Applications include video cameras and OA equipment.

GENERAL SPECIFICATIONS

Number of Contacts	6 to 36 (even numbers only)
Contact Spacing	0.8mm (.031"), double row
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

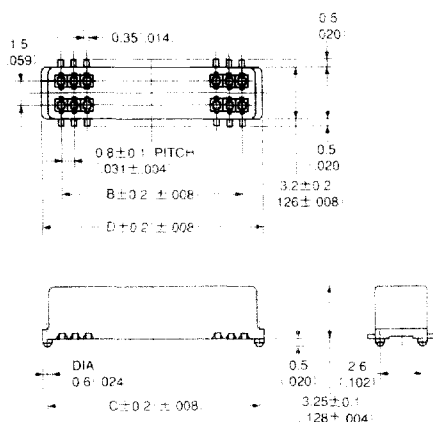
Description	Materials/Finishes
Insulator	Glass-filled PPS (UL94V-0, Black)
Pin Contact	Copper alloy/Tin Plating
Socket Contact	Phosphor Bronze/Tin Plating
Hold-down	Phosphor Bronze/Tin Plating

Dimensions and specifications subject to change without notice.

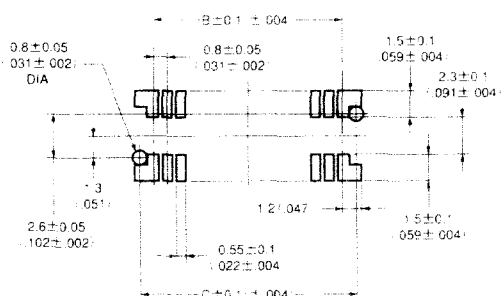
IL-WX SERIES CONNECTORS

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

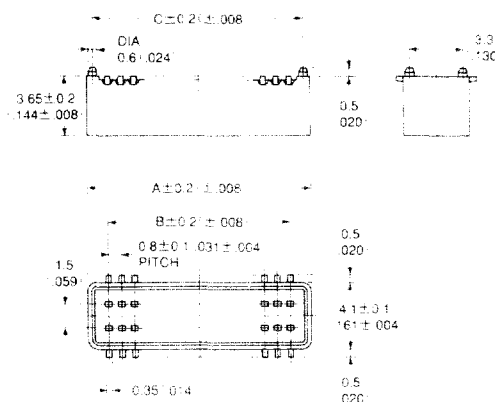
SOCKET



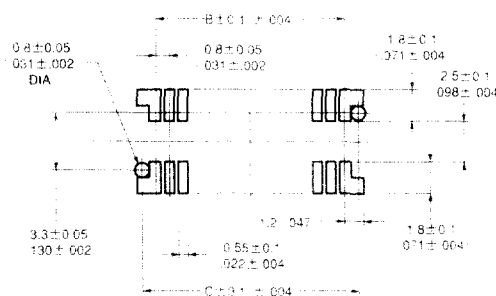
PCB Layout (Ref.)



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.

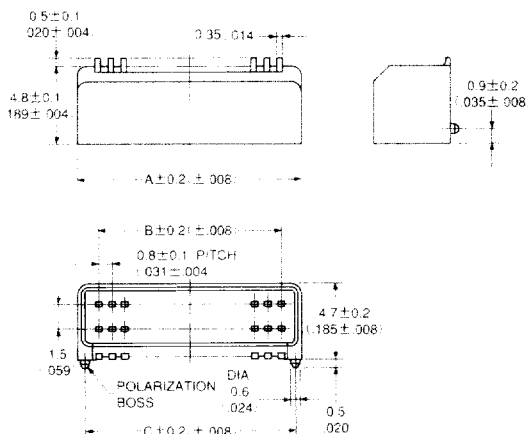
Example — IL-WX-10PB-VF-B-E1000 †: Please consult JAE for emboss-tape availability.

Dimensions in mm (inches)

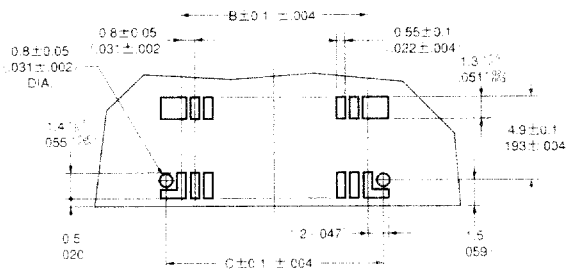
IL-WX SERIES CONNECTORS

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

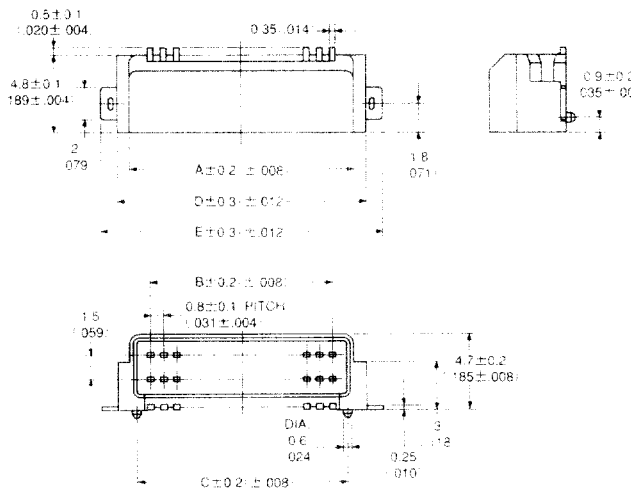
RIGHT ANGLE PIN HEADER



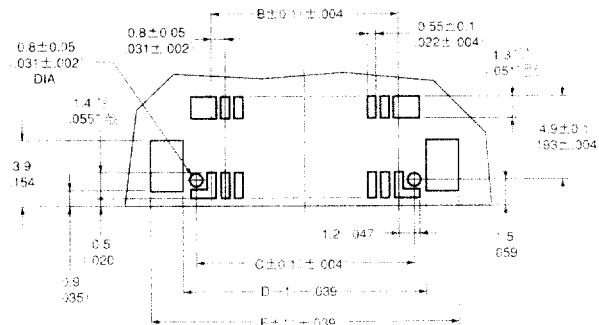
PCB Layout (Ref.)



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 polarizing 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 †: Please consult JAE for emboss-tape availability.

Dimensions in mm (inches)



Hong Kong
Tel: 2723-7782
Fax: 2723-9028

Japan
03-3780-2715
03-3780-2883

Korea
2-551-8959
2-551-8958

Philippines
46-433-0276
46-433-0287

Singapore
748-1332
748-2920

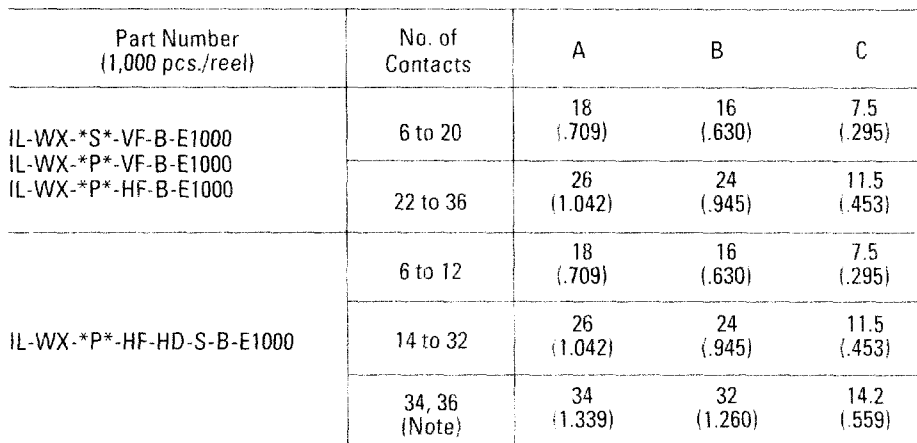
Taiwan
02-555-9711
02-556-5424

Europe
1276-21717
1276-66165

United States
949-753-2600
949-753-2699

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

Please consult JAE for embossed tape specification.



Dimensions in mm (inches)