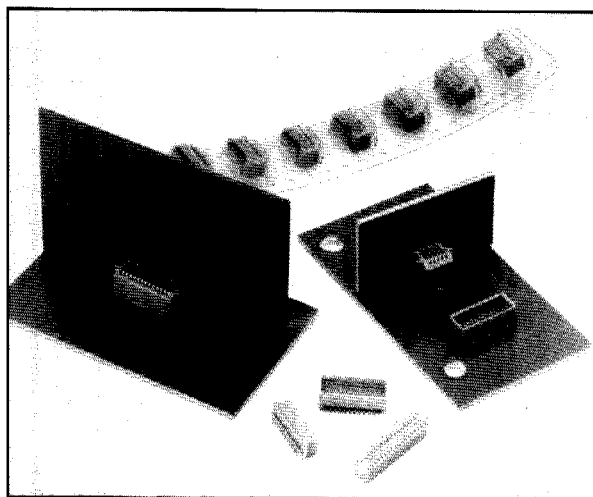
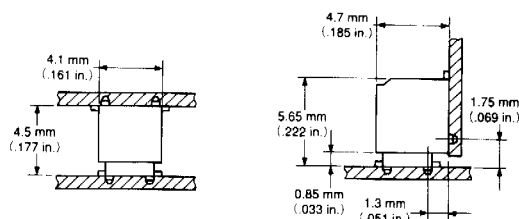


0.8mm (.031") Contact Spacing, PCB-to-PCB SMT Connectors



- 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



IL - WX - 10 S - VF - B
IL - WX - 10 P B - HF - HD - S - B - E 1000

The diagram illustrates how various specifications are grouped into nested boxes:

- Series**: The outermost box.
- No. of Contacts**: A box containing "6 to 36 (Even Number)".
- Contact Type**: A box containing "P – Pin" and "S – Socket".
- Polarizing Boss**: A box containing "Blank – No Boss" and "B – Polarization Boss".
- Termination**: A box containing "VF – Straight" and "HF – Right Angle".
- Hold Down**: A single-line specification.
- Modification Code**: A single-line specification.
- Insulator Color**: A box containing "B – Black".
- Embossed tape**: A separate box labeled "1,000 pcs/reel".

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

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

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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

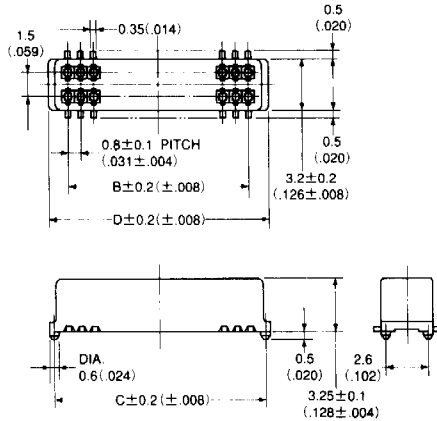
Europe
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United States
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949-753-2699

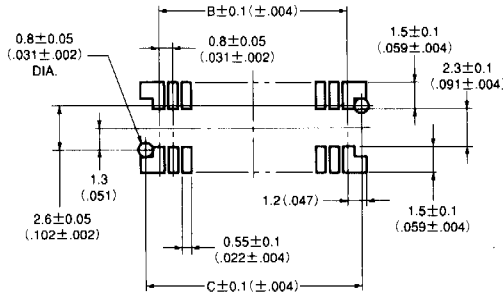
IL-WX SERIES CONNECTORS

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

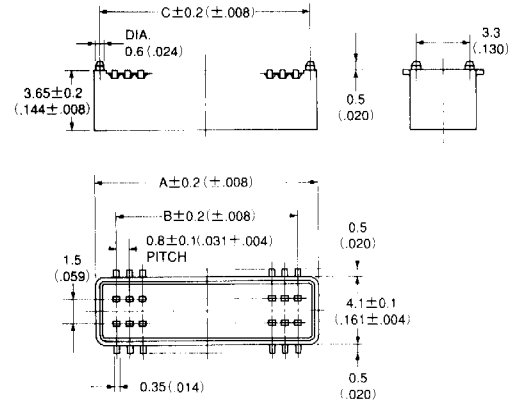
SOCKET



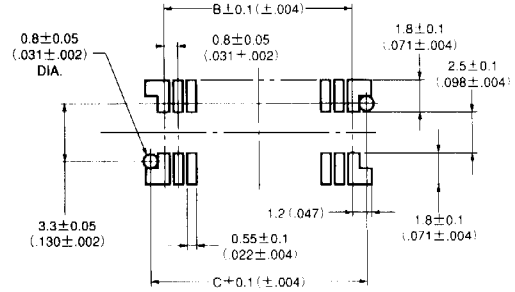
PCB Layout (Ref.)



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).

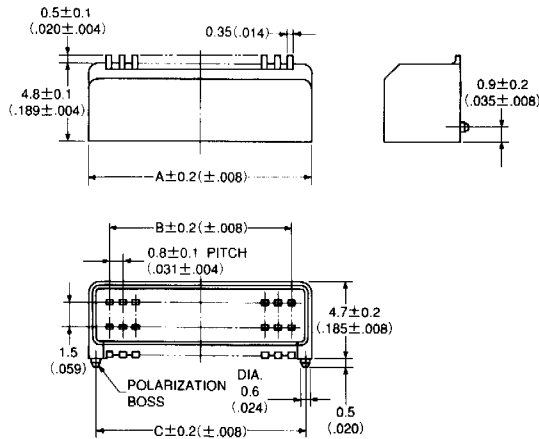
Hong Kong	Japan	Korea	Philippines	Singapore	Taiwan	Europe	United States
Tel: 2723-7782	03-3780-2715	2-551-8959	46-433-0276	748-1332	02-555-9711	1276-21717	949-753-2600
Fax: 2723-9028	03-3780-2883	2-551-8958	46-433-0287	748-2920	02-556-5424	1276-66165	949-753-2699



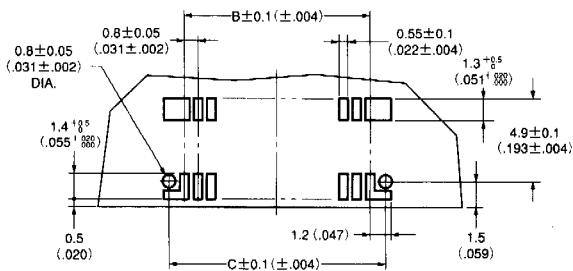
IL-WX SERIES CONNECTORS

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

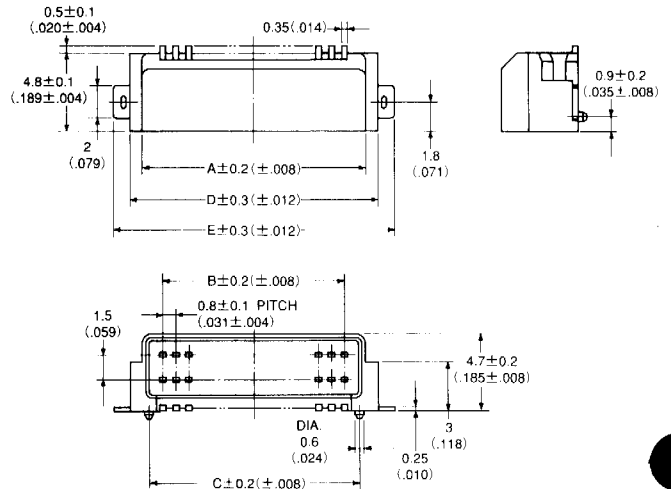
RIGHT ANGLE PIN HEADER



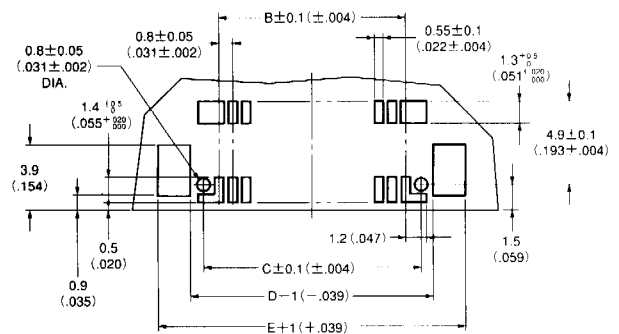
PCB Layout (Ref.)



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

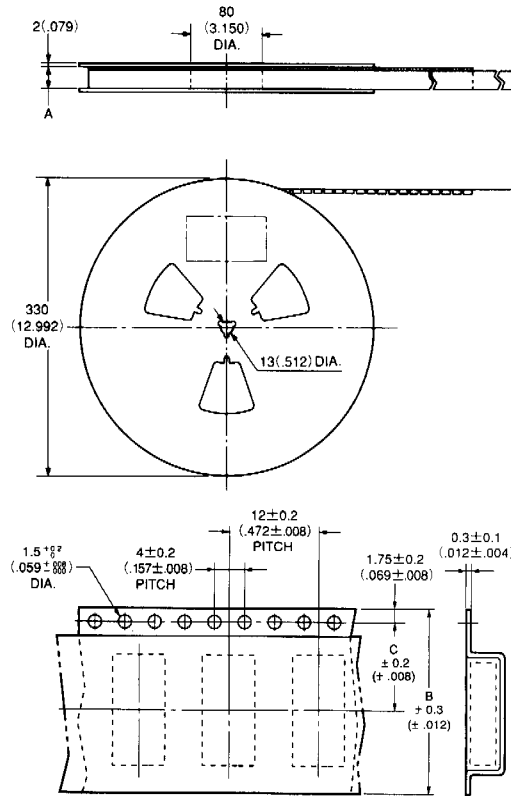
United States
949-753-2600
949-753-2699

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				
IL-WX-*P*-HF-B-E1000	22 to 36	26 (1.042)	24 (.945)	11.5 (.453)
	6 to 12	18 (.709)	16 (.630)	7.5 (.295)
	14 to 32	26 (1.042)	24 (.945)	11.5 (.453)
IL-WX-*P*-HF-HD-S-B-E1000	34, 36 (Note)	34 (1.339)	32 (1.260)	14.2 (.559)

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

Dimensions in mm (inches).