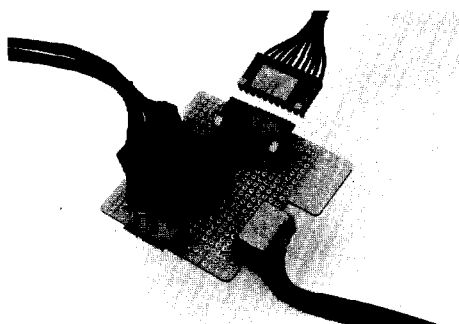


• 2.5 mm Pitch

Original

IL Series



The original version among the IL Series connectors of 2.5 mm contact spacings. The connectors are designed to have friction locking mechanism, yet maintaining smooth mating/unmating. The “double-lock” design on the pin header and the socket housing functions as mating guide to avoid mismating and as support means to prevent the socket connector from inclining.

Pin headers (soldered to P.C. board) and mating socket (having crimp, snap-in contacts) are usable for interconnection between P.C. board and cables. The pin headers, combined with Dip sockets (IL Series Type D), are usable for direct interconnection between P.C. boards. Pin headers are available in 3 types: straight, right-angle and bottom-entry type (which mates with socket from back side of P.C. board.)

• **Materials & Finish**

Insulator Nylon 66 (standard color: light brown), UL 94V-0.

Post Brass/Gold plating or tin plating.

Socket contact Phosphor bronze/
Selective gold plating or tin plating.

• **Specifications (for details, see page 15)**

Current Rating 3 A

Dielectric Withstanding Voltage
AC1, 500 Vr.m.s.

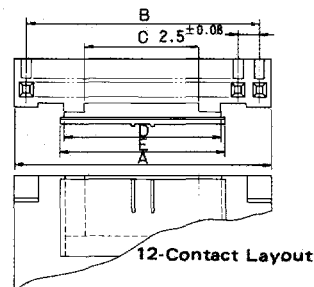
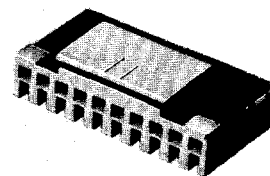
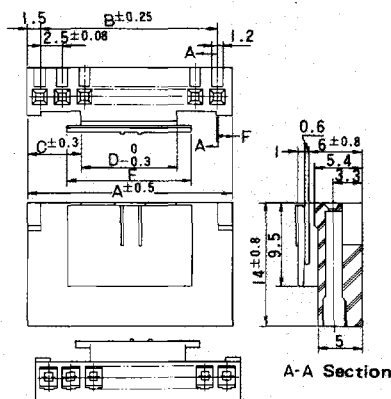
Insulation Resistance . . 100 megohms min.

Contact Resistance . . 20 milliohms max.

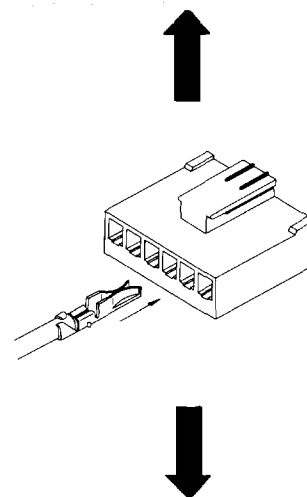
Operating Temperature Range
-40°C to +85°C

• **Socket Housing**

IL- ** S-S3L-(N)



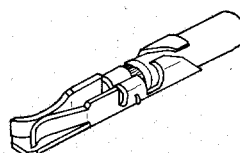
No. of Contacts	Part No.	A±0.5	B±0.25	C±0.3	D±0.3	E±0.5	F	Contact No. markings
2	IL-2S-S3L-(N)	5.5	2.5	2.1	1.4	2.4	1	1
3	IL-3S-S3L-(N)	8	5	3.1	1.9	2.9	1	1
4	IL-4S-S3L-(N)	10.5	7.5	4.1	2.4	3.4	1	1
5	IL-5S-S3L-(N)	13	10	5.1	2.9	3.9	1	1,5
6	IL-6S-S3L-(N)	15.5	12.5	6.1	3.4	4.4	1	1,5,6
7	IL-7S-S3L-(N)	18	15	6.1	5.9	6.9	1	1,5,6
8	IL-8S-S3L-(N)	20.5	17.5	6.1	8.4	9.4	1.5	1,5,6,8
9	IL-9S-S3L-(N)	23	20	6.1	10.9	11.9	1.5	1,5,6,8
10	IL-10S-S3L-(N)	25.5	22.5	6.1	13.4	14.4	3	1,5,6,8,10
12	IL-12S-S3L-(N)	30.5	27.5	13.5	18.4	19.4	3	1,5,6,8,10,12



• **Socket Contacts (crimp type)**

IL-C2-5000 (tin plate)

IL-C2-1-5000 (selective gold plate over nickel)



For details, see Page 16.

• **Applicable wire:**

AWG #28 ~ #22, stranded wire
Wire conductor cross-sectional area
... 0.08 mm² to 0.32 mm²
Overall dia. including insulation
... 1.0 mm to 1.7 mm

• **Applicable semi-automatic crimping machine: CT350-2B-IL**

• **Applicable hand crimping tool:**
JCT-IL-No. 1 (AWG #28 ~ #22)
JCT-IL-No. 2 (AWG #22 ~ #20)

