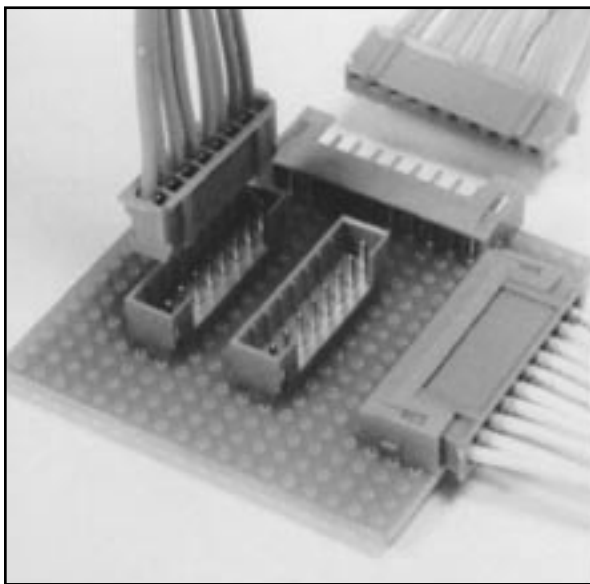


IL-S SERIES CONNECTORS

2.0mm (.079") Contact Spacing, PCB-to-Cable (Crimp Type) Connectors



FEATURES

- Box type pin header prevents mismatching
- Highly reliable socket contacts
- Both semi-automatic crimp termination machine and hand crimping tool are available
- Design prevents flux wicking
- Pin headers are available in straight, right angle and bottom through hole types
- Lead free

● ● ● ● ● ● ● ● ● ● ● ● ● ●

IL-S Series connectors are low profile connectors with 2.0mm (.079") contact spacing for PCB-to-Cable applications.

High reliable crimp termination socket contacts permit fast and simple semi-automatic termination, resulting in labor and cost savings.

IL-S Series connectors are ideal for use in VTR, television, audio and other consumer electronic products. Additional applications include OA equipment, computers, measuring equipment, telecommunications, and vending machines.

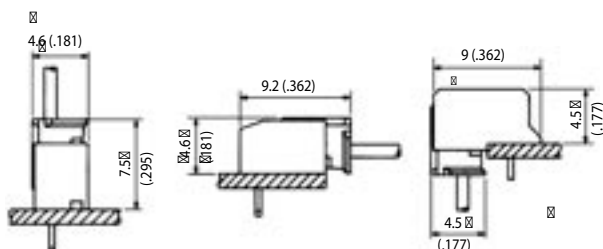
GENERAL SPECIFICATIONS

| | |
|---------------------------------|----------------------------------|
| Number of Contacts | 2 to 15 (Bottom type – 2 to 12) |
| Contact Spacing | 2.0mm (.079"), single row |
| Current Rating | 3 Amp per contact |
| Operating Voltage | 300 VAC, 400 VDC |
| Dielectric Withstanding Voltage | 1000 VAC r.m.s. (for one minute) |
| Insulation Resistance | 100 megohms min. |
| Contact Resistance | 20 milliohms max. |
| Applicable Wire | #24 to #28 AWG, stranded |
| Applicable PCB Thickness | 1.2 to 1.6mm (.047" to .063") |
| Operating Temperature | -40°C to +85°C |

MATERIALS AND FINISHES*

| | |
|----------------|----------------------------------|
| Description | Materials/Finishes |
| Insulator | 6-6 Nylon (UL94V-0, Light Brown) |
| Pin Contact | Brass/Tin plating over Nickel |
| Socket Contact | Phosphor Bronze/Tin Plated |

Connector Profile (Ref.)



- Please consult JAE for verification of product availability.

Dimensions in mm (inches).

IL-S SERIES CONNECTORS

2.0mm (.079") Contact Spacing, PCB-to-Cable (Crimp Type) Connectors

ORDERING INFORMATION

• **Pin Header** **IL-S - 5 P - S 2 T 2 - E F**

Series _____
 No. of Contacts _____
 Contact Type _____
 P – Pin
 Contact Arrangement _____
 S – Single Row
 Contact Pitch _____
 2.0mm (.079")
 Termination _____
 T – Straight Through Hole
 L – Right Angle Through Hole
 UX – Bottom Through Hole
 Applicable PCB Thickness: 1.2 to 1.6 (.047 to .063)
 Terminal Length: 3.5mm (.138")
 DIP Side Kinked (except bottom type) _____

• **Socket Housing** **IL-S - 5 S - S 2 C 2**

Series _____
 No. of Contacts _____
 Contact Type _____
 S – Socket
 Contact Arrangement _____
 S – Single Row
 Contact Spacing _____
 2.0 (.079)
 Termination _____
 Crimp
 Applicable Wire Size _____
 AWG #28 to #24
 Modification Code _____

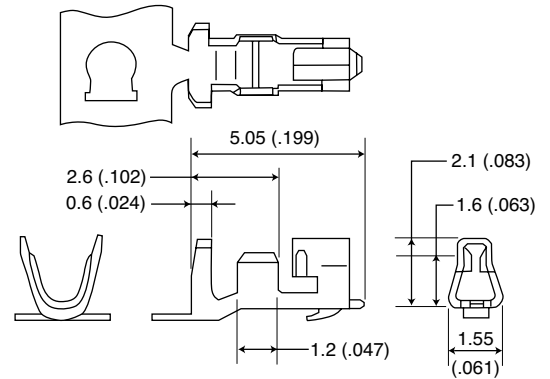
• Socket Contact (Crimp Type)

Part No. : IL-S-C2-10000 (1000 Contacts per reel)

| Applicable Wire (Stranded) | | Hand Crimping Tool |
|----------------------------|--------------------------------|--------------------|
| AWG # | Wire Insulation Outer Dia. | |
| #28 to #26 | ø1.0 to ø1.3mm (.039 to .051") | CT150-2-ILS |
| #26 to #24 | ø1.2 to ø1.6mm (.047 to .063") | CT150-4-ILS |
| #28 to #26 | ø0.7 to ø1.0mm (.028 to .039") | CT150-2-ILSmk2 |
| #26 to #24 | ø0.9 to ø1.2mm (.035 to .047") | |

Semi-Automatic Crimping Machine: 350-ILS-2

Contact Extraction Tool: ET-ILS-N03



• Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.

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