

Technology to Inspire Innovation

Preferred Connector Products

JAE



JAE Electronics, Inc.

For Additional Information Visit www.jae-connector.com

Japan Aviation Electronics Industry, Ltd. (JAE) is an international manufacturer and supplier of electronic components and systems. For over four decades, JAE has provided the electronics industry with solutions to complex design requirements. Since its founding, the Company has strived to contribute to society through market-driven, technology-based global business operations under the philosophy: "Technology to Inspire Innovation."

With worldwide and world-class manufacturing certified to ISO 9001 and QS 9000, JAE has made the commitment to meet the global requirements of our customer. In addition to a network of state of the art manufacturing facilities, JAE has technical service offices located around the world, staffed with experts in connector design and application.

This catalog contains a select overview of JAE Connector Products. For in-depth information on our complete product line, and information on new developments, visit JAE's online catalog at www.jae-connector.com.

Innovative design, quality oriented manufacturing, commitment to our customers and sensitivity to the environment assures JAE's leadership position in the 21st century.

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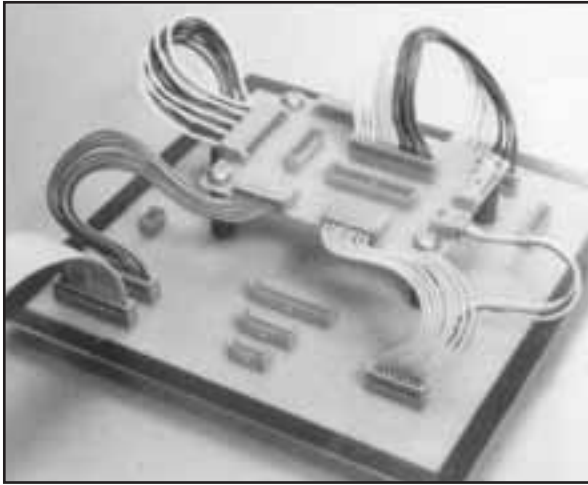
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this catalog are made for the applications specified. However, if the above-mentioned products are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for life-support systems, or any other specific application requiring extremely high reliability, please contact JAE for further information. Recommended Applications: Computers, Office Machines, Measuring Devices, Telecommunications Devices (Terminals, Mobile Devices) AV Devices, Household Applications, FA Devices, etc.
- Refer to end of catalog for alphabetical index of products.

IL-Z SERIES CONNECTORS

1.25mm (.049") Contact Spacing, PCB-to-Cable (Crimp Type) Connectors



FEATURES

- Crimp type for efficient wire termination
- High reliability socket contacts
- High-density packaging and automatic mounting
- SMT and through hole pin headers available
- Boxed pin header design prevents mismatching
- Anti-wicking feature



IL-Z Series connectors are designed for board-to-cable applications. High-density 1.25mm (.049") contact spacing (single row), 3.45mm (.136") high when mated vertically. Low-profile design includes board-mounted pin headers (straight and right-angle) and wire-terminated socket housings (with crimp socket contacts).

The IL-Z Series has a wide variety of applications, including commercial and household appliances, VTR's, television, office automation equipment and measuring instruments.

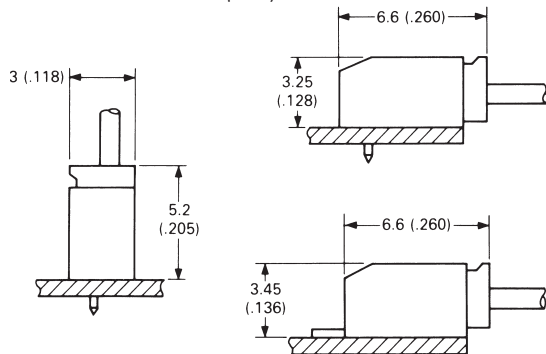
GENERAL SPECIFICATIONS

Number of Contacts	2 to 15
Contact Spacing	1.25mm (.049"), single row
Current Rating	AC/DC 1 Amp per contact
Dielectric Withstanding Voltage	500 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	20 milliohms max.
Operating Temperature	-40°C to +70°C
Applicable PCB Thickness	0.6 to 1.2mm (.024 to .047")
Applicable Wire	#32 to #28 AWG (stranded)
Voltage Rating	AC/DC 200V

MATERIALS AND FINISHES

Description	Materials/Finishes
Insulator	Through hole pin header and socket housing: 6-6 Nylon (UL94V-0, Light Brown) SMT pin header: PPS (UL94V-0, Light Gray)
Pin Contact	Brass/Tin plating
Socket Contact	Phosphor Bronze/Tin plating
Hold-down	Phosphor Bronze/Tin plating

Connector Profile (Ref.)



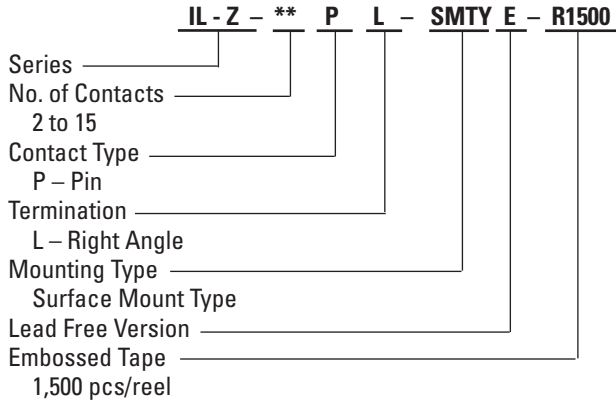
Dimensions in mm (inches).

IL-Z SERIES CONNECTORS

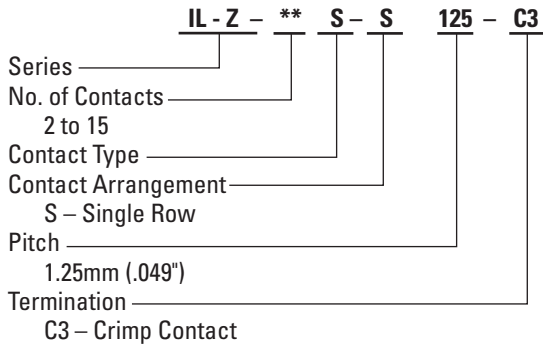
1.25mm (.049") Contact Spacing, PCB-to-Cable (Crimp Type) Connectors

ORDERING INFORMATION

• Pin Header (SMT Type)



• Socket Housing



• Applicable Wire

Wire Size (AWG)	Insulation Outer Diameter
#32 - #30	0.5mm to 0.8mm (.020" to .031")
#28	0.7mm to 1.0mm (.028" to .039")

Tooling

Description	Part Number	
Semi-Automatic Crimping Machine	Applicator	350-IL-Z-2
	Press	CP215-4B
Hand Crimping Tool	CT150-C-ILZ	
Contact Insertion Tool	IT2051-ILZ	
Contact Extraction Tool	ET-ILZ	

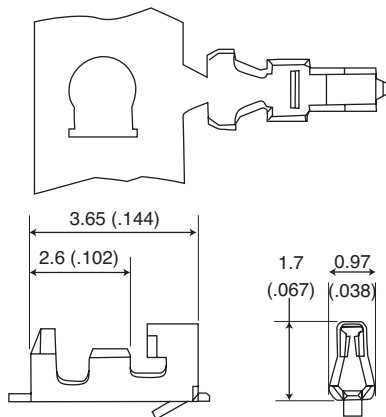
Pre-Crimp Leads

ILZ-SL100SS-10	100 length crimp lead on both ends
ILZ-SL200SS-10	200 length crimp lead on both ends
ILZ-SL300SS-10	300 length crimp lead on both ends
ILZ-SL100SE-10	100 length crimp lead on single end
ILZ-SL200SE-10	200 length crimp lead on single end
ILZ-SL300SE-10	300 length crimp lead on single end

The digit 10 denotes crimp 10 leads in a bag.

Socket Contact (Crimp Type)

Part Number: IL-Z-C3-A-15000



(Note: Contacts 15,000 pcs per reel)

Dimensions and specifications subject to change without notice.

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***“Building Technologies
to Connect Your World”***



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