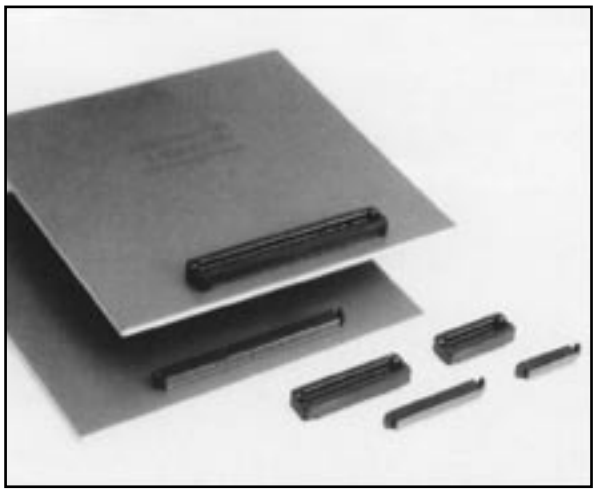
IL-312 SERIES CONNECTORS

0.5mm (.020") Contact Spacing, PCB-to-PCB SMT Connectors



These high density SMT connectors are designed for parallel PCB-to-PCB applications. They are ideal for use in VCRs, notebook PCs, cordless telephones, mobile phones, audio/visual and other telecommunications equipment where reduced size and weight are important.

GENERAL SPECIFICATIONS

Number of Contacts	20, 30, 40, 50, 60, 70, 80
Contact Spacing	0.5mm (.020")
Current Rating	0.3 Amp per contact
Dielectric Withstanding Voltage	500 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	40 milliohms max.
Operating Temperature	-40°C to +85°C

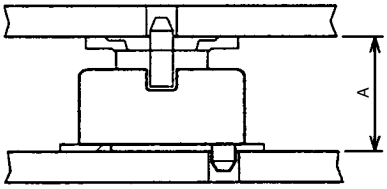
MATERIALS AND FINISHES*

Description	Materials/Finishes
Insulator	Heat-resistant plastic (UL94V-0, Black)
Contact	Copper alloy/Gold Plating: connecting area 0.1µm (.000004") min.

FEATURES

- SMT contacts
- 2.5mm (.098") to 3.5mm (.138") stacked height
- Surface area of both pin and socket connectors facilitates automatic mounting
- Contact terminal length permits image recognition
- Available on embossed tape for automatic mounting
- Lead free

Connector Profile (Ref.)



Stacking Height (A)

	Pin		
Socket	Connector height code	Blank (standard)	30
	Blank (standard)	2.5 (.098)	3.0 (.118)
	H05	3.0 (.118)	3.5 (.138)

ORDERING INFORMATION

IL-312 – ** * * VF ** – A1

Series

No. of Contacts

20, 30, 40, 50, 60, 70, 80, 100

Contact Type

P – Pin S – Socket

Polarizing Boss

Blank – No Boss

B – Positioning Boss

Termination Style

VF – Straight

Connector Height Code

[Socket] Blank (Standard) – 2.15 (.085)

H05 – 2.65 (.104)

[Pin] Blank (Standard) – 1.55 (.061)

30 – 2.05 (.081)

Finish Code

A1 – Gold Plating, 0.1µm (.000004") min.

• Please consult JAE for verification of product availability.

Dimensions in mm (inches).