



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

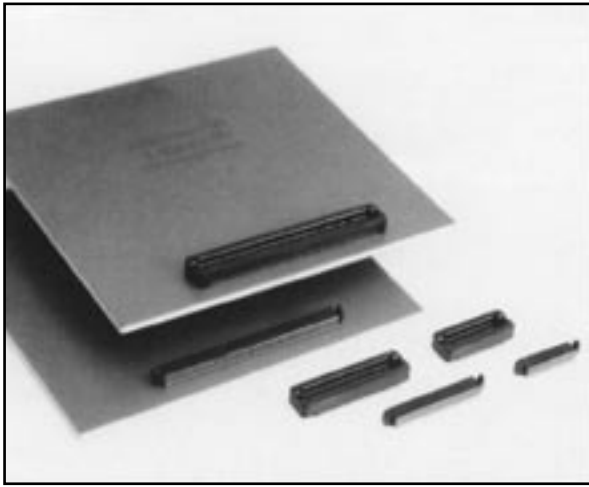
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



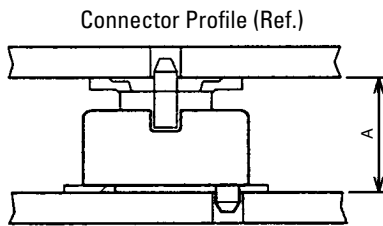
# IL-312 SERIES CONNECTORS

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



### 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



Stacking Height (A)

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

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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.

### ORDERING INFORMATION

	<b>IL-312</b>	<b>-</b>	<b>**</b>	<b>*</b>	<b>*</b>	<b>VF</b>	<b>**</b>	<b>-</b>	<b>A1</b>
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).