



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!



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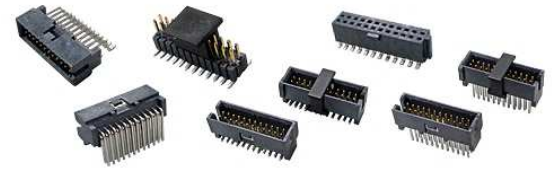
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Slim-Grid 1.27mm Pitch Board-to-Board Connector

molex[®]

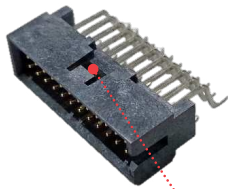
Based on a 1.27 by 1.27mm grid pattern, this high-current density board-to-board interconnect solution offers complete design flexibility and higher current density per inch to support variety of data, automotive, industrial and consumer board-to-board and cable-to-board applications



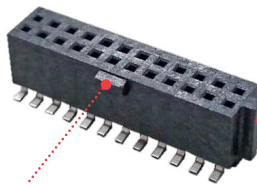
Slim-Grid 1.27mm Pitch Board-to-Board Connectors

Features and Benefits

Shrouded Right Angle Header, Horizontal SMT



Vertical Receptacle, SMT



Locking Window, Locking Ramp

Ensure robust connector retention when mated

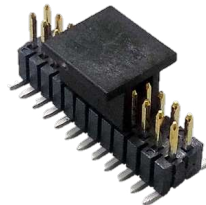
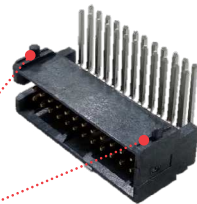
Single-sided Polarization Slot

Prevents wrong orientation and mis-mating.
Improves mating for smaller circuit sizes of 6 and below

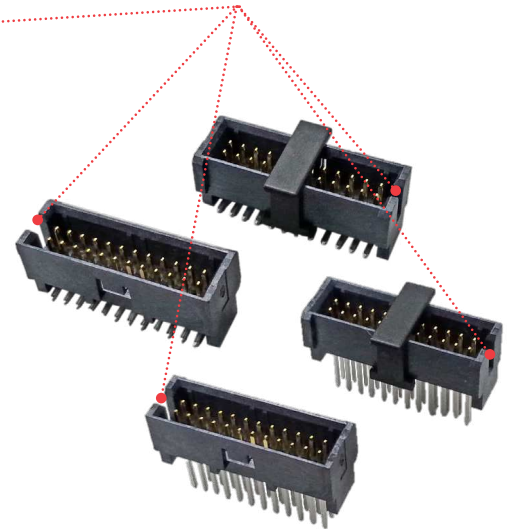


Locating Pegs (Shrouded Right Angle Header, Through-hole)

Ensure precise connector positioning on PCB



Vertical Unshrouded Headers with Pick-and-Place Cap, SMT



Vertical Shrouded Headers with and without Pick-and-Place Cap, SMT and Through-hole

Applications

Consumer / Smart House

- Energy efficient appliances
- Home theaters
- White goods
- Drones

Telecommunications/Networking

- Hubs, Servers, Routers, Switches

Automotive

- Car audio and navigation systems

General Market

- Control boards, Lighting luminaries,
- Audio speakers

Mobile

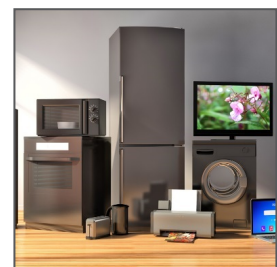
- Smart phones and other portable electronic devices



Drones



Car Audio and Navigation System



Home Appliances

Slim-Grid 1.27mm Pitch Board-to-Board Connector

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Specifications

REFERENCE INFORMATION

Packaging: Tube, Tape and Reel upon request
UL File No.: E29179, Vol. 10
CSA File No.: 152514 (LR 19980)
Mates With: 87933/200989/201021/201022 and 201173
Terminal Used: Copper Alloy
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes
Glow Wire-compliant: Pending for application

ELECTRICAL

Voltage (max.): 125V AC
Current (max.): 4.3A (per circuit)
Contact Resistance: 30 milliohms
Insulation Resistance: 1000 Megohms

MECHANICAL

Terminal Retention Force (in Housing): 2.22N
Terminal Retention Force (Header): 4.0N
Mating Force: 10N (4-circuit) to 15N (24-circuit)
Unmating Force: 0.5N (4-circuit) to 3.0N (24-circuit)
Durability (min.): 50 cycles

PHYSICAL

Housing: LCP, UL94V-0 Black
Contact: Copper Alloy
Plating:
Contact Area — 0.05, 0.38 and 0.76micron Gold (Au)
Solder Tail Area — 2.00 micron Matte Tin (Sn)
Underplating — 1.27 micron Nickel (Ni)
PCB Thickness: Refer to sales drawing
Operating Temperature: -55 to 105°C

Ordering Information

Series No.	Description	Part No. / LEGEND
78120	Vertical SMT Receptacle	78120-AA AA - circuit size (04 to 24) B - packaging option C - plating option
200989	Vertical SMT Shrouded Header	200989-ABCC A - packaging option B - plating option CC - circuit size (04 to 24)
201022	Shrouded Vertical Through-hole Header	201022-ABCC A - packaging option B - plating option CC - circuit size (04 to 24)
201173	Shrouded Right Angle SMT Header	201173-ABCC A - packaging option B - plating option CC - circuit size (04 to 24)
201021	Shrouded Right Angle Through-hole Header	201021-ABCC A - packaging option B - plating option CC - circuit size (04 to 24)
87933	Unshrouded Vertical SMT Header	87933-AA AA - circuit size (04 to 24) BB - plating/package option

www.molex.com/link/slimgrid.html