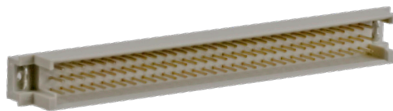


DIN Connectors

DIN 41612 and IEC 60603-2

Cinch AIM Cambridge DIN connectors are board mounted multi pin connectors used for connecting PCB to PCB, often daughtercard to backplane. These connectors meet the requirements of DIN 41612 and IEC 60603-2. The contacts are compact with a pitch of 0.1 in.

Typical contact arrangement is fully populated 3 rows of 32 contacts for a total of 96 contacts. Right angle plugs are common on daughtercards and press-fit straight sockets are common on backplanes. Press-fit and solder pins are available.



Features

- Indirect mating
- Automated production processing, solder wave and press-fit
- 3x32 = 96 contacts
- 0.1 in (2.54 mm) pitch
- Contacts selectively gold plated to control costs
- Snap-in board clips for initial mounting
- Keyed shells to reduce rework

Applications

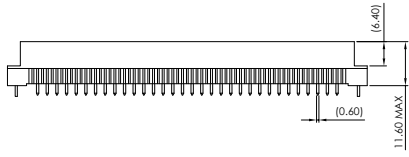
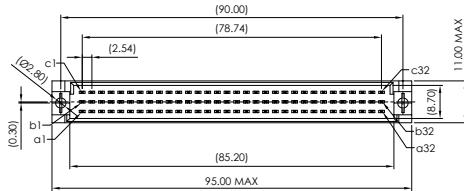
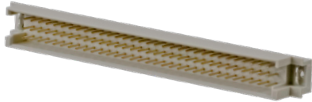
- Backplane and daughter card layouts
- Board to board communications
- Embedded systems for industrial automation
- Medical devices
- Telecommunications
- Transportation

DIN 41612 Board Connectors

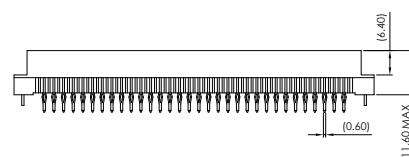
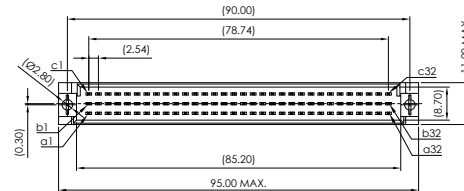
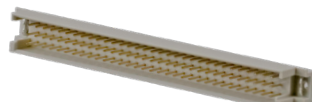
Specifications

Current rating	2 A
Withstanding voltage	1500 VDC (sea level)
Contact resistance	30 mΩ max
Insulation resistance	1,000 MΩ min
Durability	400 cycles
Vibration	EIA 364-28 condition VII
Operating temperature	-65°F (-55°C) to 257°F (125°C)

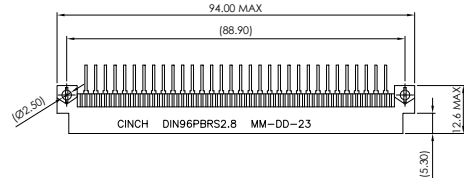
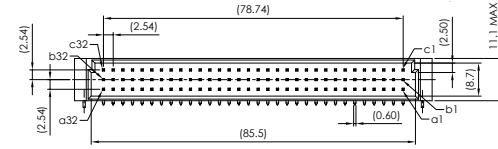
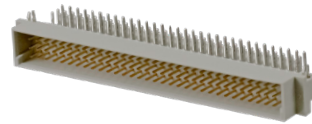
Part Number	Type	Connector Type	Rows	Positions	Termination Type *drawing dimensions in mm
DIN96PBSS2.5	Plug	Straight PCB	3	96	Solder



DIN96PBSPF	Plug	Straight PCB	3	96	Press-fit
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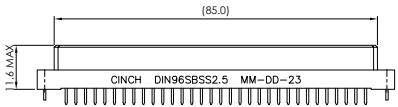
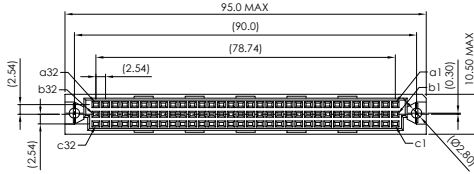


DIN96PBRS2.8	Plug	Right Angle PCB	3	96	Solder
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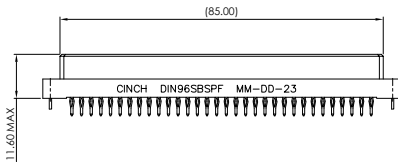
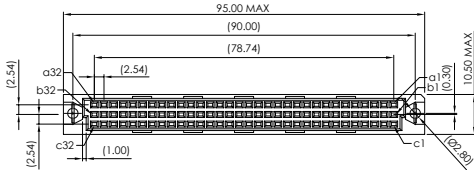


DIN 41612 Board Connectors

Part Number	Type	Connector Type	Rows	Positions	Termination Type <small>*drawing dimensions in mm</small>
DIN96SBSS2.5	Socket	Straight PCB	3	96	Solder



DIN96SBSPF	Socket	Straight PCB	3	96	Press-fit
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DIN96SBRS2.8	Socket	Right Angle PCB	3	96	Solder
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