

Stacked Mini DIN Connectors

Description:

Dual stacked mini DIN board mount I/O connectors for the PC industry standard ATX interface used to connect the keyboard and mouse to a computer.

Typical Applications:

- Desktop computers
- Workstations
- Blade servers
- Stand alone servers

Benefits/Features:

Industry Standard Meets the mating interface requirements for PS/2 keyboard and mouse. Meets color coding requirements of PC99. Standard through hole mounting configuration.

Flexible System Available with or without secondary ground shield contact. Several centerline distance options available.

Ruggedness and Reliability . . . Full metal shields protect contacts from physical and ESD (Electro Static Discharge) damage. High cycle life versions available.



Selectable Features:

Product Type	Stacked mini DIN receptacle
Total No. of Positions	2 x 6 positions
Orientation	Horizontal
Mounting Style	Through hole
Operating Voltage	12 VDC
PCB Thickness	1.0 - 1.6 mm
Contact Style	Formed
Contact Area Plating	Gold-plated (see product print for thickness)
Height Above Board	28.50 mm
Front Shell (Shield) Material	Brass
Rear Shell (Shield) Material	Steel
Housing Color	Green (top connector) Purple (bottom connector)

Other Properties:

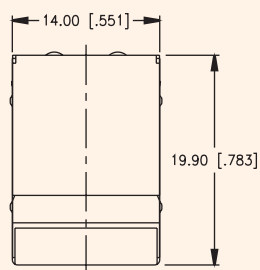
Packaging Type	Tray
Housing Material	PBT, UL94V-0
Applicable Soldering Process	IR, vapor phase, wave
Contact Base Material	Phosphor bronze
Insulation Resistance	500 M Ω min.
Withstanding Voltage	500 VAC RMS
Current Rating	0.5 amp max. per contact
Contact Resistance	30 m Ω max.
Temperature Range	-10°C to +85°C
Insertion Force	200 g max. per pin
Withdrawal Force	21 g min. per pin
Durability (Mating Cycles)	500 cycles
Mating Force	4.5 Kg max.
Unmating Force	0.9 Kg min. to 3.0 Kg max.
Plating (Contact Area)	Gold (thickness varies per Delphi spec.) over nickel underplating
Plating (Soldering End)	3.05 μ m [120 μ in.] tin-lead over nickel underplating
Plating (Shield)	3.05 μ m [120 μ in.] bright tin over 1.27 μ m [50 μ in.] copper
Underplating	1.27 μ m [50 μ in.] nickel
Approvals and Certification	UL approved

Stacked Mini DIN Connectors

Ordering Nomenclature

15430236 – 1 0 0

6 Position Shielded

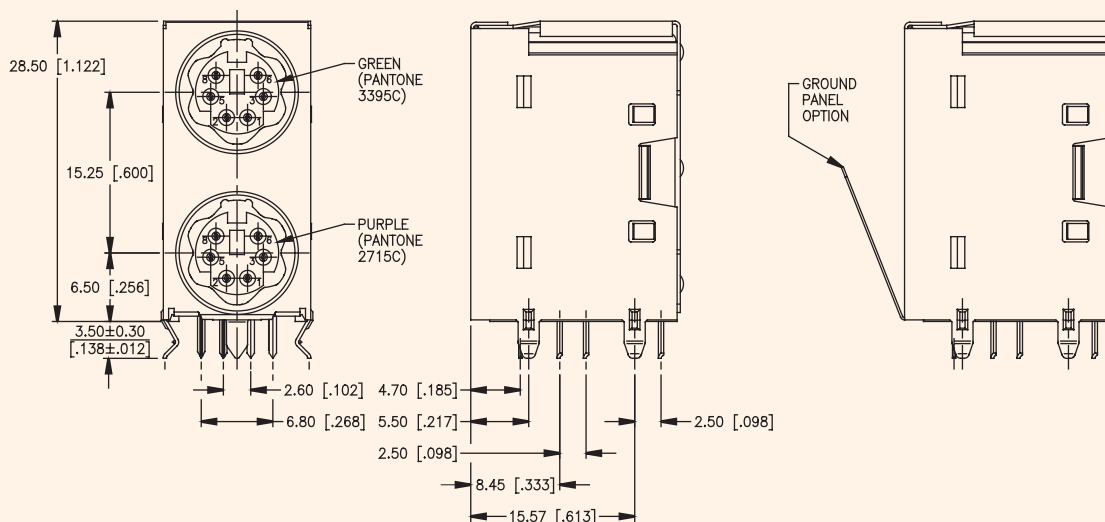


Plating:

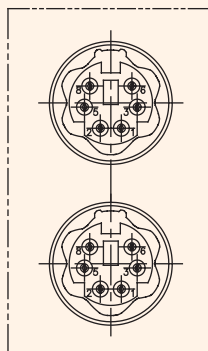
1 = gold flash
2 = 0.38 µm [15 µin.] gold
1 = 0.76 µm [30 µin.] gold

Ground Panel:

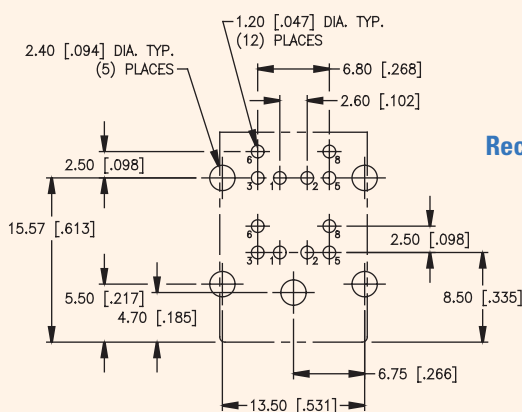
0 = no ground panel
1 = ground panel



Contact Arrangement



Recommended PCB Layout



Dimensions are shown in millimeters and [inches].

DELPHI

For additional information, please contact us or visit our website.

www.delphi.com/connect

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