

R-SATA CONNECTORS

The new (Rugged) R-SATA style connector can be used as the primary internal storage interconnect for desktop and mobile PCs, connecting the system to peripherals such as hard drives, solid state drives, optical drives, and removable magnetic media drives.

R-SATA

Speeds to 6.25 Gb/s+

The R-SATA supports SATA 3.0 protocol, delivering 6.25 Gb/s data rates & beyond. Amphenol's R-SATA connector utilizes a Micro-Hyperboloid contact with proven performance. The Micro-Hyperboloid contact system offers low insertion and extraction forces, high durability counts and is resistant to shock, vibration and fretting corrosion.

Features & Benefits

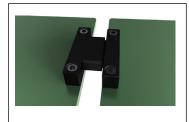
- Ruggedized SATA style
- Rugged Micro-Hyperboloid contacts
- Seven pin SATA contact arrangements (two differential pairs, 3 ground)
- Low insertion/extraction force
- 20K mating cycles
- Resistant to shock, vibration & fretting corrosion
- Supports SATA 3.0 protocol (6.25 Gb/s) & beyond

Application Flexibility

- Four body styles
 - Right Angle Plug Daughterboard
 - Straight Receptacle Motherboard
 - Right Angle Receptacle PC
 - Straight Plug Parallel Boards

Four Possible Mated Configurations

End to End Boards



Right angle receptacle to right angle plug

Boards at Right Angle

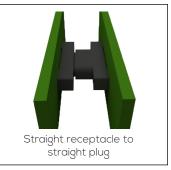






Parallel Boards

Mated View



Amphenol Aerospace

40-60 Delaware Ave Sidney NY 13838-1395 Phone: 800-678-0141

For additional information e-mail blp-marketing@amphenol-aao.com or call 1-800-678-0141 and ask for Board Level Product Manager.

Visit our website at www.amphenol-aerospace.com

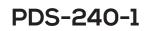


Micro-Hyperboloid Socket Contact



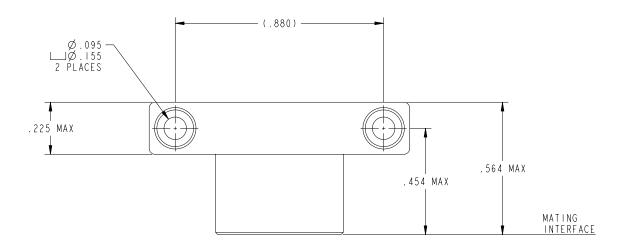
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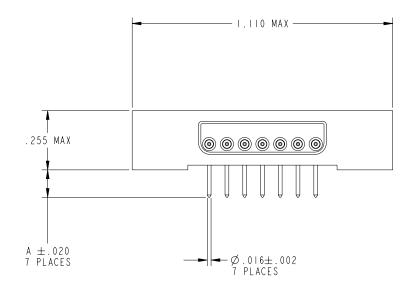




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Right Angle Plug







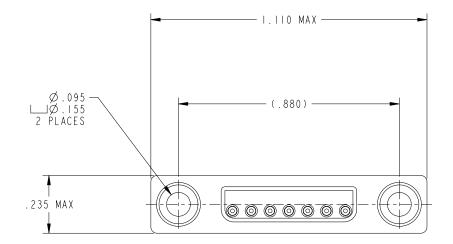
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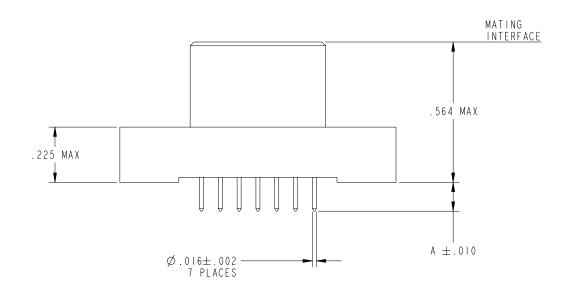




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Straight Plug





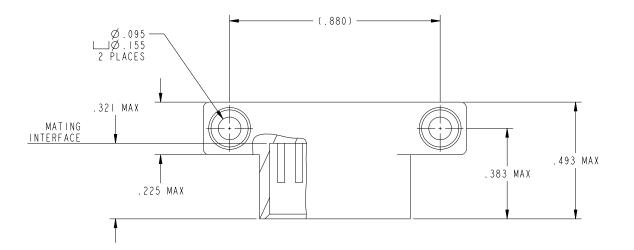


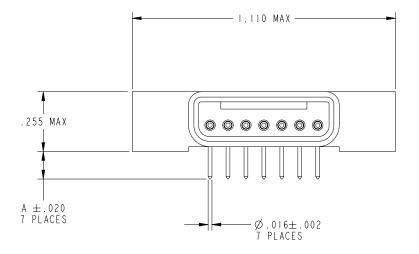
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Right Angle Receptacle







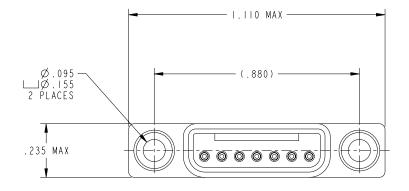
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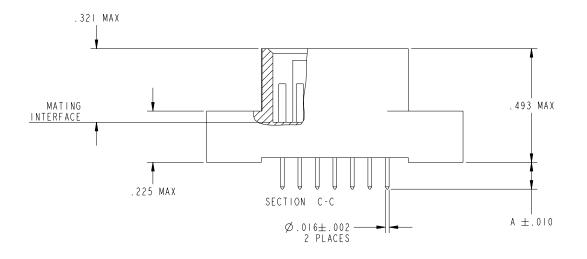




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Straight Receptacle







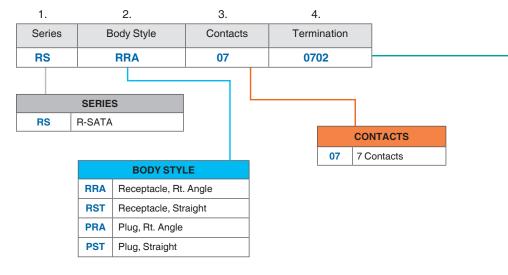
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How to Order



TERMINATION		
0702	PCB .070" Stickout, AU/Ni	
0706	PCB .070" Stickout, AU/Ni-Sn/Pb	
0852	PCB .085" Stickout, AU/Ni	
0856	PCB .085" Stickout, AU/Ni-Sn/Pb	
1002	PCB .100" Stickout, AU/Ni	
1006	PCB .100" Stickout, AU/Ni-Sn/Pb	
1152	PCB .115" Stickout, AU/Ni	
1156	PCB.115" Stickout, AU/Ni-Sn/Pb	

FINISH KEY		
Au/Ni	Gold over Nickel	
Au/Ni-Sn/Pb	Gold over Nickel with Tin Lead Dip	



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