Amphenol Aerospace

R-SATA
Speeds to 6.25 Gb/s +

PDS-240-1

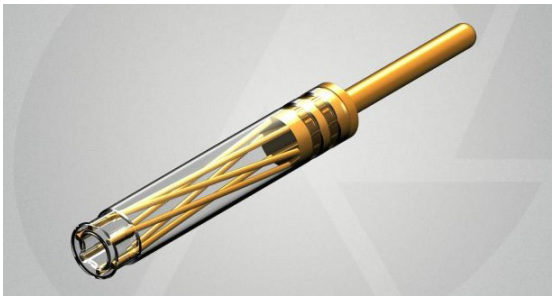
R-SATA CONNECTORS

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.

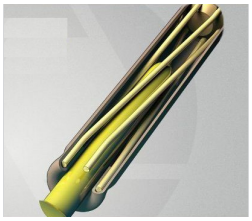
The R-SATA supports SATA 3.0 protocol, delivering 6.25 Gb/s data rates & beyond. Amphenol's R-SATA connector utilizes a Micro-Hyperboloid contact with proven performance. The Micro-Hyperboloid contact system offers low insertion and extraction forces, high durability counts and is resistant to shock,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



Micro-Hyperboloid Socket Contact



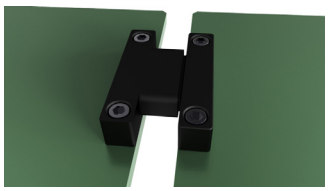
Cross Section - Mated View

Application Flexibility

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

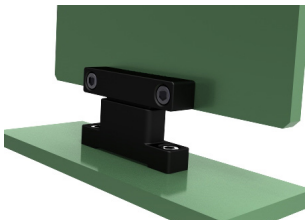
Four Possible Mated Configurations

End to End Boards



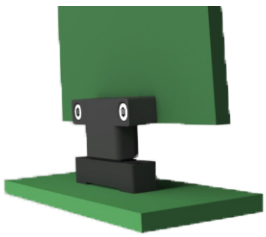
Right angle receptacle to right angle plug

Boards at Right Angle



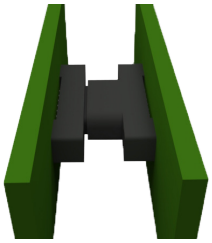
Right angle plug to straight receptacle

Boards at Right Angle



Right angle receptacle to straight plug

Parallel Boards



Straight receptacle to straight plug

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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.

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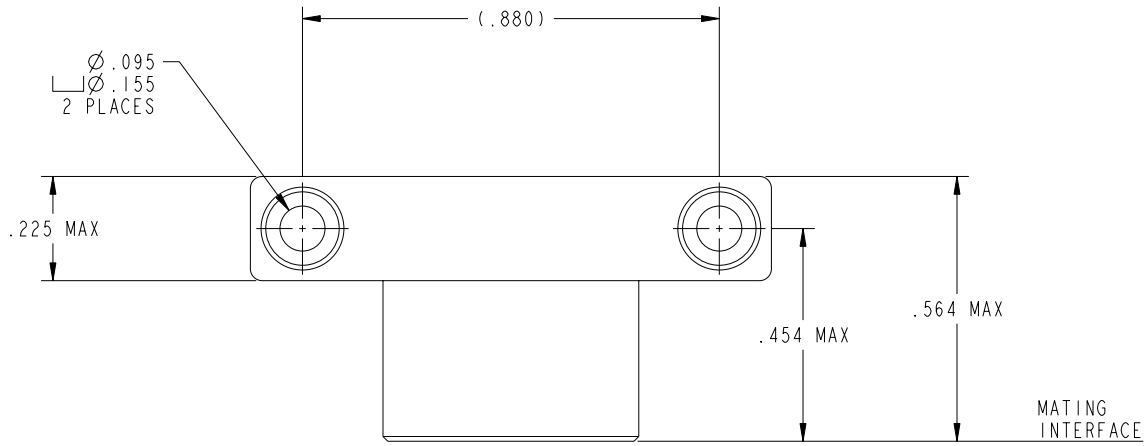
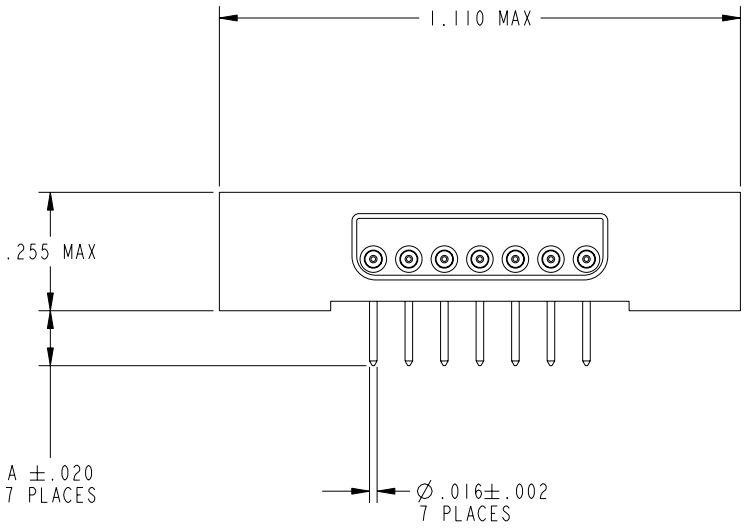
Right Angle Plug





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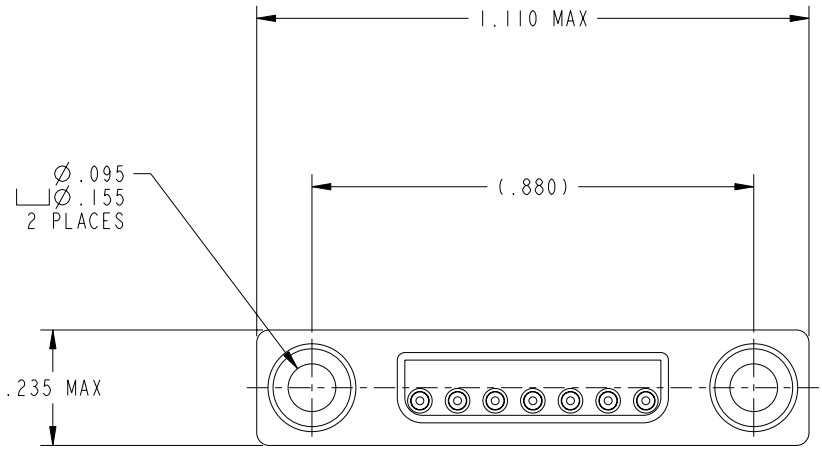

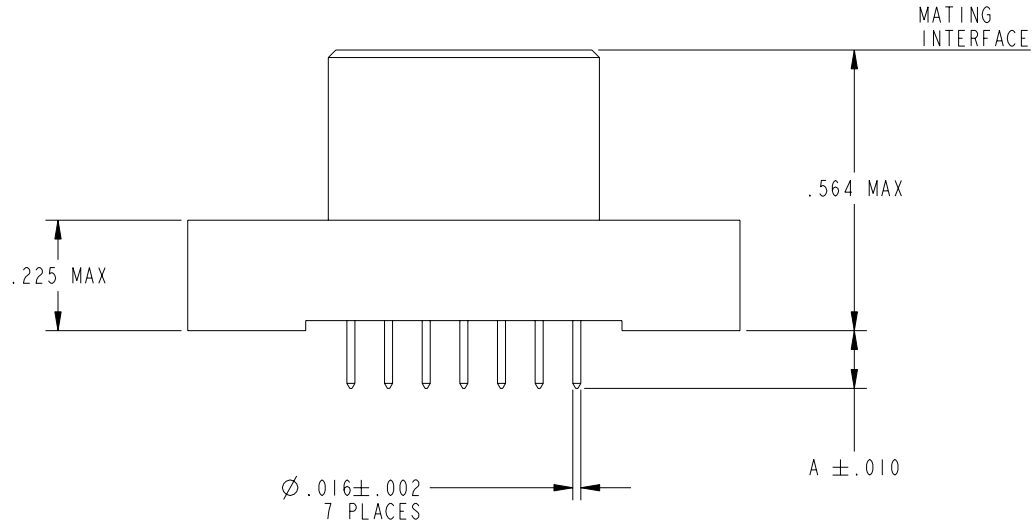

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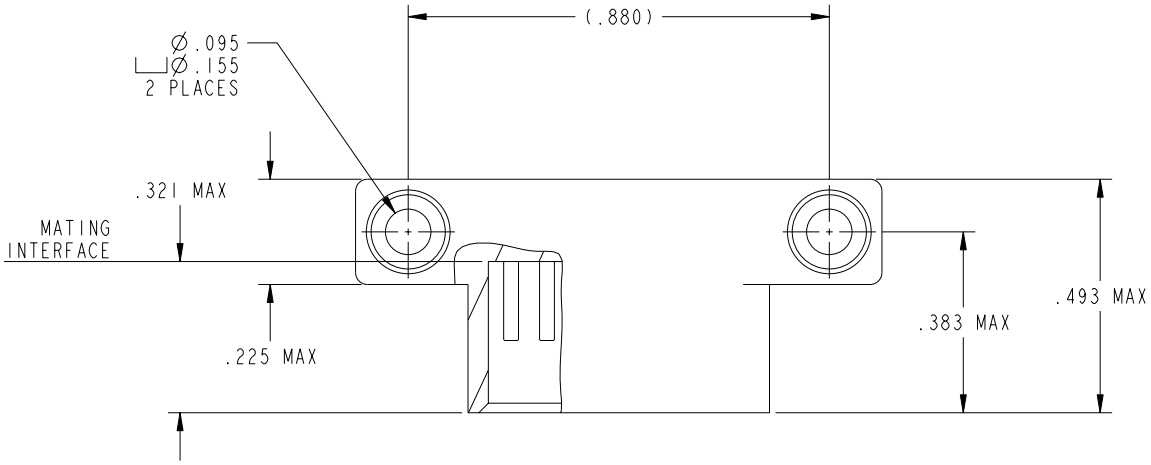
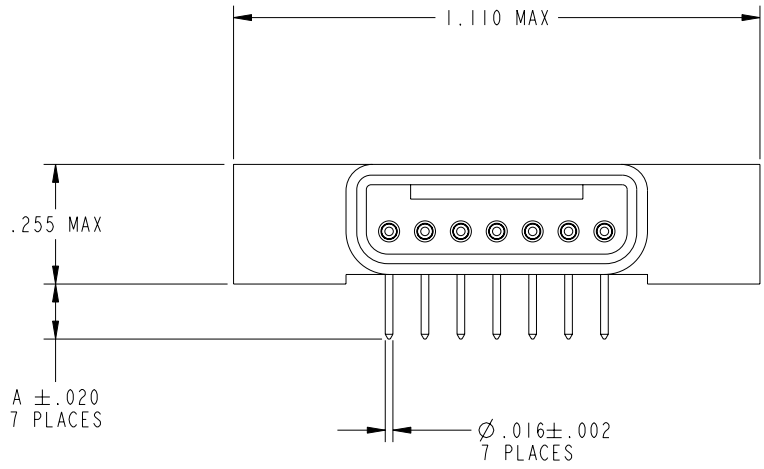
Right Angle Receptacle





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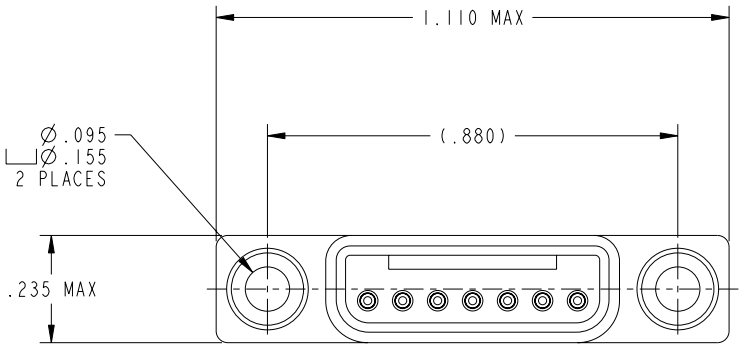

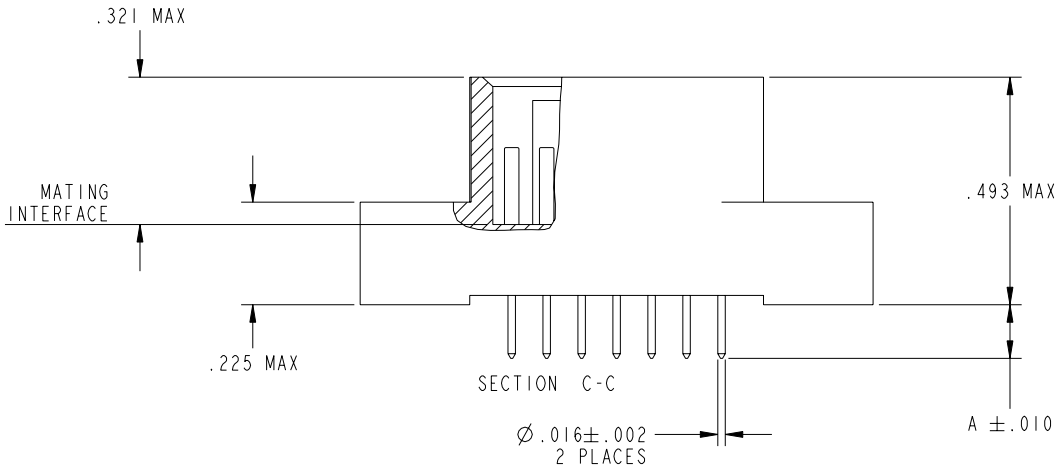

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