

Serial ATA High Speed Serialized AT Attachment

Amphenol offers a complete range of SATA solutions. Signal, Power or a combination of the two.

Materials

Housing - UL94V-0 Thermoplastic
 Contact Plug - Brass
 Contact Receptacle - Phosphor Bronze
 Plating - Selective Gold
 BoardLocks - Phosphor Bronze

Electrical

Current - 1.5 A/Contact /Minute
 DWV - 500 VAC for 1 Minute
 Contact Resistance - 30 mΩ

Mechanical

Durability - 500 Cycles

Part Number System:

G16 X X X X X X X

SERIAL ATA SYSTEM ———— G

SIGNAL INTERFACE OPTION ———— 16

A: Signal
 B: Power
 C: Signal & Power

CONNECTOR STYLE ———— X X X X X X X

1: Right Angle Board Mount Plug
 2: Straight Board Mount Plug
 3: Straight Cable Mount Receptacle
 4: Straight Board Mount Receptacle
 5: Right Angle Board Mount Receptacle
 6: Right Angle Cable Mount Receptacle
 A: Latch Type Straight Cable Mount Rec.
 B: Latch Type Right Angle Cable Mount Rec.
 C: Latch Type Reverse R/A Cable Mount Rec.

CONTACT FINISH ———— X X X X X X X


0: Gold Flash
 1: 15μ" Gold
 2: 30μ" Gold

FACTORY CODE
 Mainly for Internal Use
 Blank: Tray Packaging
 A: With Pick Tape & Tube Packing
 B: Without Support
 C: With Support

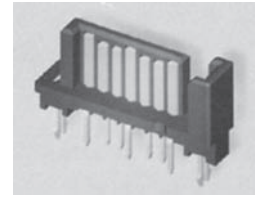
INSULATION MATERIAL
 Blank: LCP+30% GF/Black
 1: PBT+30% GF/Black
 2: LCP+30% GF/Natural White
 3: PBT+30% GF/Natural White
 4: LCP+30% GF/Blue

BOARD MOUNT OPTION
 0: None
 1: ArrowHead BoardLocks
 2: Intel FootPrint
 3: Plastic Posts

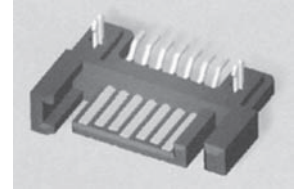
TERMINAL STYLE
 0: None (Cable Mount only)
 1: SMT
 2: DIP Type
 3: Press-Fit
 4: IDC Type
 5: Crimp Type (housing and Contact)



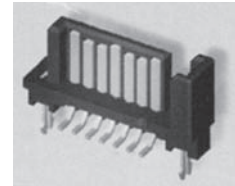
Suffix may be added to Part Number. This Suffix is for Internal use mainly. Additional Suffix 'EU' or 'LF' may be added for RoHS compliant product.



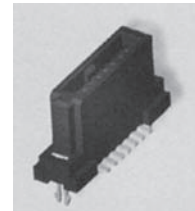
Straight Plug Signal DIP Type



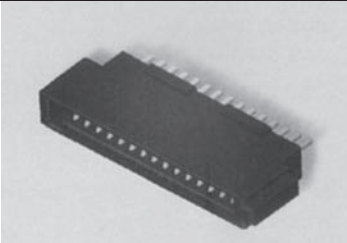
Right Angle Plug Signal SMT Type



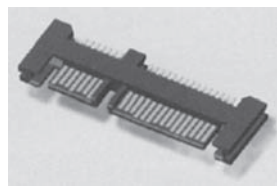
Cable Mount Receptacle



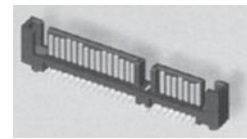
Straight Receptacle Signal SMT Type



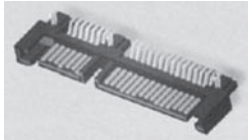
Power Cable Mount Receptacle



Straight Plug Signal Straddle Mount Type



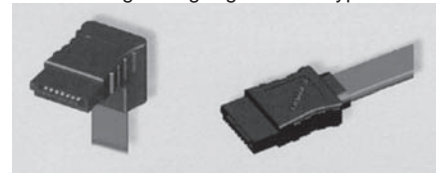
Straight Plug Signal SMT Type



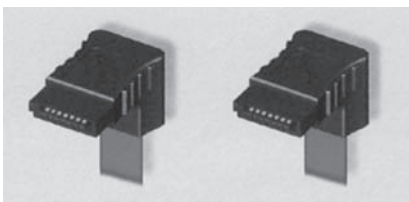
Right Angle Plug Signal SMT Type



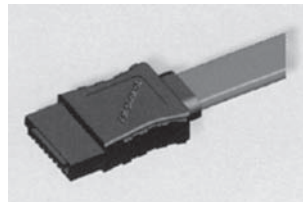
Straight Receptacle Back Plane SMT Type



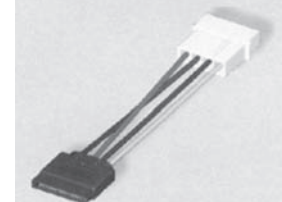
Right Angle to Straight Cable Assembly*



Right Angle to Right Angle Cable Assembly*



Straight to Straight Cable Assembly*



Power to Straight Cable Assembly*