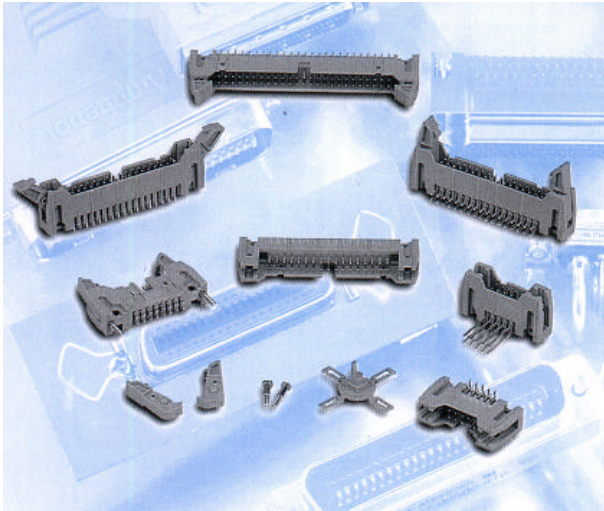


816 series Connector

Amphenol



Part Number: 842816-xxxx-xxxx

- 816 series protected headers are for applications requiring positive connect and fast disconnect capability, Available size from 10 to 64 contacts in both right-angle and straight mounting configuration, Tail length are 0.10" and 0.16" in solder tail and 0.62" in wire wrap styles to meet PCB requirements, Lock and eject latches may be added to reduce strain on cable and PCB when mating socket connectors.

B. FEATURES & BENEFITS :

- ◆ MIL-C-83503, BT224, IEC603-13 and BS9525-F0023 compatible.
- ◆ .100" x .100" (2.54mm x 2.54mm) grid.
- ◆ Fully shrouded body provides maximum protection for contacts.
- ◆ Right angle & straight mounting style.
- ◆ Mounting studs option
- ◆ Short and long lock & ejector available.
- ◆ Snap-in polarizing keys.
- ◆ Selective gold plated contacts.
- ◆ Solder plated tail to avoid solder bath contamination.
- ◆ Various tail length available to suit different PCB thickness & wire wrap application.
- ◆ UL and CSA Approved.
- ◆ Grey is the standard color, black available as option.
- ◆ Mates with Amphenol's 812 series socket.

C. SPECIFICATIONS

Physical Characteristics

Insulation Material : glass reinforced polyester, UL flammability rating 94V-0.

Contact Material : Phosphor Bronze.

Contact Area Plating : Gold over nickel.

Contact Spacing : .100" X .100" (2.54mm x 2.54mm) grid.

Electrical Characteristics

Current Rating : 1 Amp.

Contact Resistance : 50 mΩ Max.

Dielectric Withstanding Voltage : 500Vdc Min. at sea level.

Insulation Resistance : 5,000 MΩ Min. at 500Vdc.

816 series

Amphenol

Mechanical Characteristics

Durability : a. 500 cycles for 30 microinches gold plated.
b. 250 cycles for 15 microinches gold plated.
c. 50 cycles for gold flash.

Contact-Body Retention Force : 2 pounds min. per contact.

Body Latch Retention Force : 4.5 pounds min. per side.

Environmental Characteristics

Humidity : 95% relative humidity at 40°C for 96 hours.

Operating Temperature : -55°C to +105°C

D. APPLICATIONS

- ◆ OA Equipment
- ◆ Computer, Peripheral
- ◆ Testing Equipment
- ◆ Switching System
- ◆ Industrial Control

Amphenol	Title :	Part Number :
	816 series connector	816 series