Amphenol
Data Interconnects

VHDCI **Receptacle** Very High Density Cable Interconnect Ultra-SCSI, Ultra-320, SFF-8441, EA1700A0AF

Amphenol's VHDCI provides interconnections where space limitations and high performance are key requirements. Designed to be compact, these fully shielded connectors support ESD/EMI protection, are capable of transferring data up to 80 Gbps and meet EIA700A0AF specifications. Receptacles are available in both right angle and straddle-mount configurations with or without shield EMI tabs.

Materials
Insulation – UL94V-0 thermoplastic
Contact Plating – 30µ" Au on mating area
Contact Plating – Tin/Lead on PCB Terminations
Shell – Nickel over Steel
Screw-Locks – Nickel over Steel
Nuts – Bright Zinc over Brass

Mechanical
Durability – 2000 cycles
Temperature – -55°C to +85°C

Related Information
Mating Half – H12 see below

Electrical
Current – 1.5A max
Voltage – 30Vrms
Contact Resistance – 60mΩ max
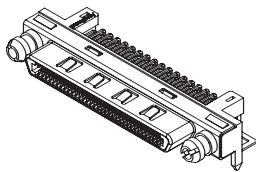Insulation Resist. – 500 MΩ min

Applications
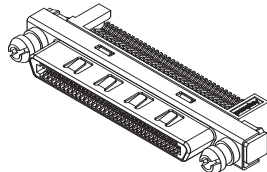RAID, Disk Drives/Systems, Servers, SANs (Storage Area Networks), Routers

Variations
Straddle Mount for 1.6mm PCB
3.2mm Solder tails for R/A Version
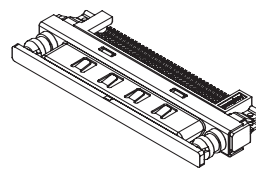Tape & Reel

www.vhdci.com

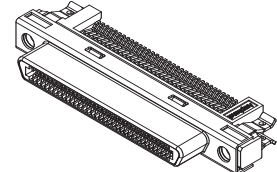### Single Port Receptacles

Right Angle with Screw-Locks

Straddle Mount with Screw-Locks

Straddle Mount with Screw-Locks with Cap

Straddle Mount

Right Angle		Straddle Mount, T&R Packaged	
Part Number	**Description**	**Part Number**	**Description**
H11-RAA-100	No Screw-locks, Standard Shell	**H11-RDA-100-4-CT**	No Screw-locks, Standard Shell
H11-RAA-101	Screw-locks Bulk Packed, Standard Shell	**H11-RDA-101-4-CT**	Screw-locks Bulk Packed, Standard Shell
H11-RAA-110	No Screw-locks (Standard), Shell without EMI Tabs	**H11-RDA-110-4-CT**	No Screw-locks (Standard), Shell without EMI Tabs
H11-RAA-111	Screw-locks Bulk Packed, Shell without EMI Tabs	**H11-RDA-111-4-CT**	Screw-locks Bulk Packed, Shell without EMI Tabs

VHDCI **Plug** Very High Density Cable Interconnect Ultra-SCSI, Ultra-320, SFF-8441, EA1700A0AF

Amphenol's VHDCI provides interconnections where space limitations and high performance are key requirements. Designed to be compact, these fully shielded connectors support ESD/EMI protection, are capable of transferring data up to 80 Gbps and meet EIA700A0AFspecifications. Plugs are available with a variety of back shells, or without a back shell for over-molding purposes.

Materials
Insulation – UL94V-0 thermoplastic
Contact Plating – 3µ"Au
Front Shell – Tin/Lead over Steel
Back Shell – Die-Cast
Silver Finish – Nickel
Black Finish – Polyurethane Black Enamel

Mechanical
Durability – 2000 cycles
Temperature – -55°C to +85°C

Related Information
Mating Half – H11 see above

Electrical
Current – 1.5A max
Voltage – 30Vrms
Contact Resistance – 60mΩ max
Insulation Resist. – 500 MΩ min

Applications
RAID, Disk Drives/Systems, Servers, SANs (Storage Area Networks), Routers

www.vhdci.com

VHDCI Plug Kit IDC Contacts

Part Number	Description
H12-PBA-100	No Back Shell for Over Molding
H12-PAA-102	Die Cast Shell - up to Ø 11.2mm, Silver
H12-PAA-103	Die Cast Shell - Ø 9.3 to 10.2mm, Silver
H12-PAA-104	Die Cast Shell - up to Ø 11.2mm, Black
H12-PAA-105	Die Cast Shell - Ø 9.3 to 10.2mm, Black

PLUG FOR OVERMOLD

PLUG WITH DIE CAST SHELL

ACC

H-14