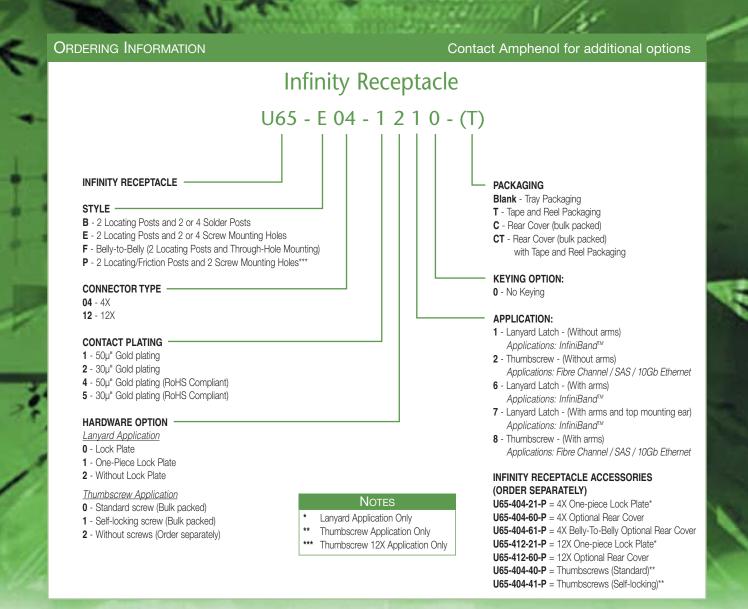
INFINITY Amphenol Data/Telecom's High Speed INFINITY (4X/12X) series of connectors facilitate data speeds up to 75 Gbps total bandwidth, as required by InfiniBand[™], Fibre Channel and Serial Attached SCSI Trade Associations, with superior EMI performance. INFINITY connectors are highdensity, hot pluggable and meet SFF-8470 specifications. A variety of receptacles are available that will fit multiple connectors into a 1U form factor and PCI bracket. All receptacles are available with standard or RoHS compliant materials.

- RECEPTACLE
- InfiniBand[™]
- Fibre Channel
- 10Gb Ethernet
- SAS, External (Serial Attached SCSI)
- SFF-8470
- CX4
- Applications
 - Datacom Devices
 - HCAs (Host Controller Adapters)
 - High Speed Routers and Switches
 - Storage Devices
 - SANs (Storage Area Networks)
 - Servers
 - RAID
 - XAUI



www.infinityconnectors.com

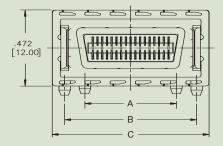
MATERIAL SPECIFICATIONS

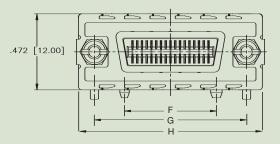
Plastic InsertHigh temperature resistant nylon; Flammability rating – UL94V-0ContactsPhosphor bronze; 50μ" [1.27μm] or 30μ" [0.76μm] gold plating over nickel
on mating area and tin-lead plating over nickel (standard) or 2μ" [0.05μm] gold plating
over nickel (RoHS compliant) on PCB terminationsShieldDie cast; Nickel plated

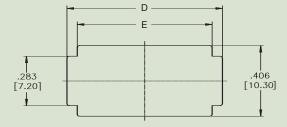
ELECTRICAL AND ENVIRONMENTAL SPECIFICATIONS

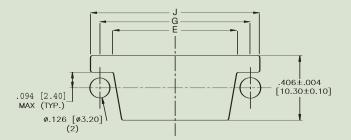
| Current Rating | 0.5 Amps maximum/contact | DWV | 30 VAC |
|-----------------------|-----------------------------|-----------------------|-------------------|
| Contact Resistance | $80m\Omega$ maximum initial | Operating Temperature | -40°C to +85°C |
| Insulation Resistance | 1000M Ω minimum | Durability | 250 mating cycles |

TECHNICAL SPECIFICATIONS







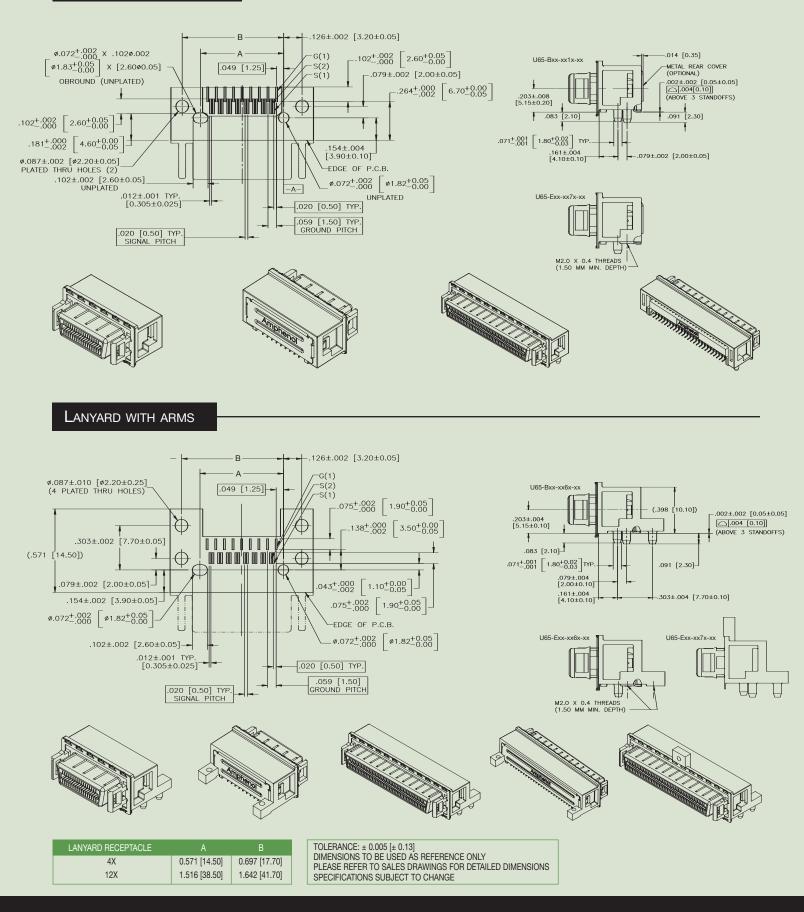


| INFINITY RECEPTACLE | А | В | С | D | Е | F | G | Н | J |
|---|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| 4X | 0.571 [14.50] | 0.823 [20.90] | 0.978 [24.85] | 0.894 [22.70] | 0.776 [19.70] | 0.571 [14.50] | 0.945 [24.00] | 1.169 [29.70] | 1.063 [27.00] |
| 12X | 1.516 [38.50] | 1.768 [44.90] | 1.923 [48.85] | 1.839 [46.70] | 1.720 [43.70] | 1.516 [38.50] | 1.890 [48.00] | 2.114 [53.70] | 2.008 [51.00] |
| TOLERANCE: ± 0.005 [± 0.13] DIMENSIONS TO BE USED AS REFERENCE ONLY PLEASE REFER TO SALES DRAWINGS FOR DETAILED DIMENSIONS SPECIFICATIONS SUBJECT TO CHANGE | | | | | | | | | |

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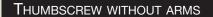
4

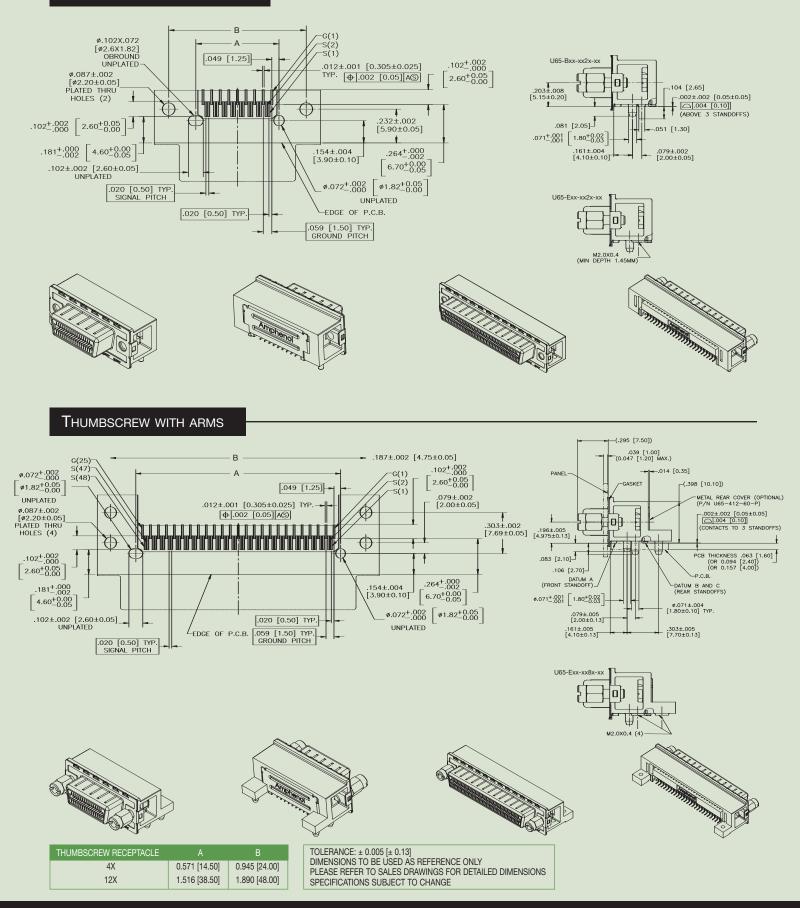




RECEPTACLE

INFINITY





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INFINITY Amphenol Data/Telecom's High Speed INFINITY (4X/12X) series of plugs facilitate data speeds up to 75 Gbps total bandwidth, as required by InfiniBand[™], Fibre Channel and Serial Attached SCSI Trade Associations. INFINITY plug and connector systems are high-density, hot pluggable and meet SFF-8470 specifications. Plug kits are available with a variety of cable size options as well as a unique low profile version that will allow for connection to two receptacles – one on top of the other – in a 1U form factor chassis.

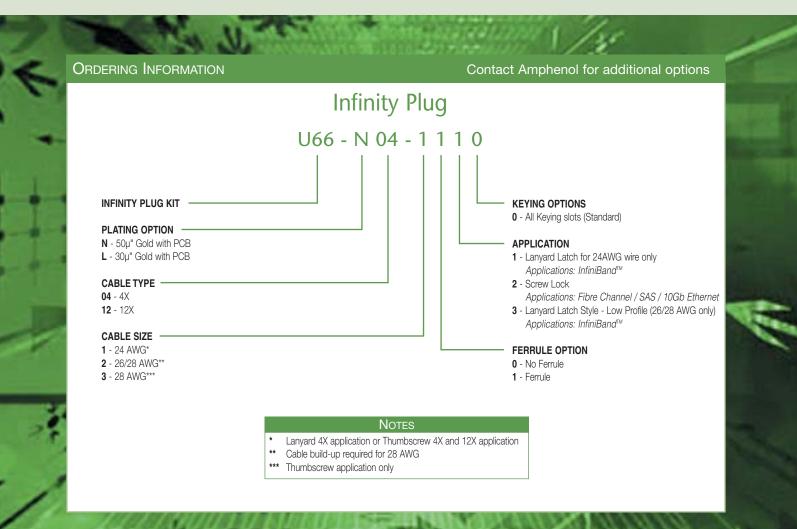
- and a
- InfiniBand™
- Fibre Channel
- 10Gb Ethernet
- SAS, External (Serial Attached SCSI)

PLUG

SFF-8470CX4

APPLICATIONS

- Datacom Devices
- HCAs (Host Controller Adapters)
- High Speed Routers and Switches
- Storage Devices
- SANs (Storage Area Networks)
- Servers
- RAID
- XAUI



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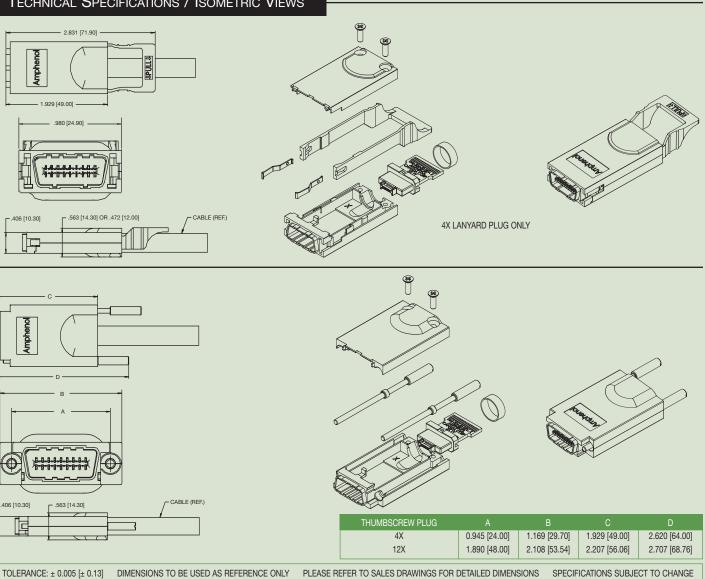
MATERIAL SPECIFICATIONS

| Plastic Insert | High temperature resistant nylon; Flammability rating – UL94V-0 |
|----------------|--|
| Contacts | Phosphor bronze; 50μ " [1.27 μ m] or 30μ " [0.76 μ m] gold plating over nickel on contact mating area and tin-lead plating over nickel on termination area |
| Shield | Die cast; Nickel plated |

ELECTRICAL AND ENVIRONMENTAL SPECIFICATIONS

| Current Rating | 0.5 Amps maximum/contact | DWV | 30 VAC |
|-----------------------|-----------------------------|-----------------------|-------------------|
| Contact Resistance | $80m\Omega$ maximum initial | Operating Temperature | -40°C to +85°C |
| Insulation Resistance | 1000M Ω minimum | Durability | 250 mating cycles |

TECHNICAL SPECIFICATIONS / ISOMETRIC VIEWS



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For more information about INFINITY (4X/12X), HSSDC, VHDCI, SFP or other High Speed products, please contact your local Amphenol Sales Representative, or contact:

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