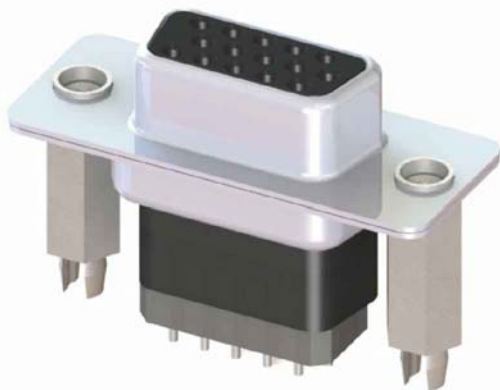


## ◆ High Density Vertical PCB Mount High Profile with Ferrite



### Ordering Information:

**DSHF1XR - E D 15 S - K - CT**  
**1                      2 3 4 5 6 7**

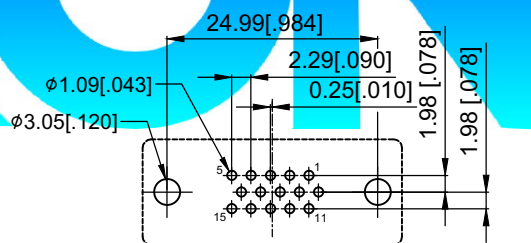
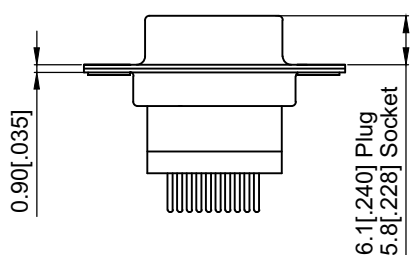
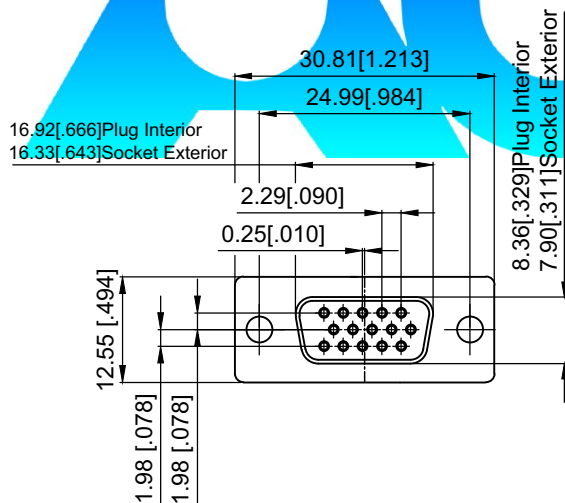
1. Series  
DSHF1XR-High Density D Sub Connector,  
Vertical PCB Termination, High Profile  
with Ferrite  
HTDSHF1XR-Reflow Compatible Version
2. Shell Size  
E-15 Contacts
3. Contact Construction  
C-Precision Machined, Vertical Pin (PCB Mount)  
D-Precision Formed, Vertical Pin (PCB Mount)
4. Number of Contacts Per Port  
15
5. Contact Type  
P-Pin Contact(Plug)  
S-Socket Contact(Receptacle)
6. Mounting Options
7. Plating Options  
AT-30u" Gold In Contact Area  
BT-15u" Gold In Contact Area  
CT-Gold Flash

Recommended Pin Lengths and Board Locks

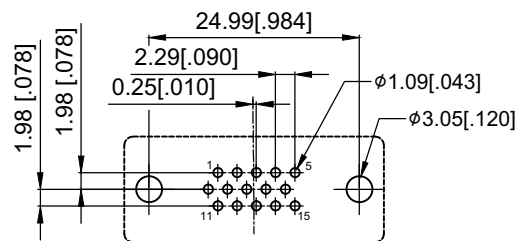
| Type | Board Lock Length(L2) | Pin Length(L1) |
|------|-----------------------|----------------|
| BR2  | 11.00                 | 5.30           |
| BR3  | 12.70                 | 7.20           |

Ferrite Specifications

| Measured Value(OHM) | Test Frequency |
|---------------------|----------------|
| 30 MIN.             | 25 MHz         |
| 60 MIN.             | 100 MHz        |



Recommended PCB Layout  
Female(Receptacle):Top View



Recommended PCB Layout  
Male(Plug):Top View

## ◆ High Density Vertical PCB Mount High Profile with Ferrite

### Feature:

- ◆ Industry Standard Compatibility
- ◆ Cable or Edge Card Mounting
- ◆ Durable Metal Shell Design
- ◆ Precision Formed Bifurcated Contacts
- ◆ Variety of Mating and Mounting Options
- ◆ Plug and Socket available in 15 Positions

### Physical:

- ◆ Shell  
Steel Material, Nickel Finish
- ◆ Housing  
Standard:PCB Thermoplastic, Black Color,  
30% Glass Filled, 94V-0 Rated  
Reflow Compatible:High Temperature Thermoplastic,  
Black Color, 30% Glass Filled, 94V-0 Rated
- ◆ Contact Material  
Pin:Brass.  
Socket:Phosphor Bronze
- ◆ Contact Plating  
Gold Flash (15 and 30u" Optional) Over Nickel on Contact.  
Tin Over Nickel or Gold Flash Over Nickel on Solder Tails
- ◆ Riveted Insert  
Brass Material, Nickel Finish

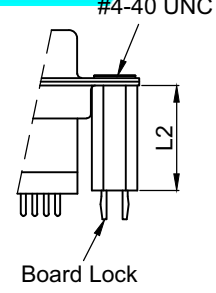
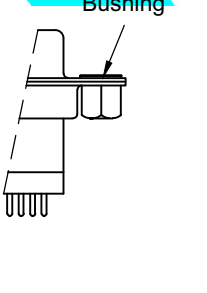
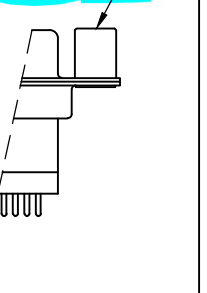
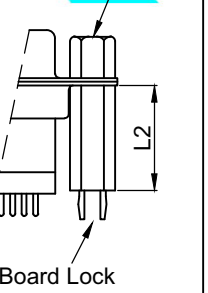
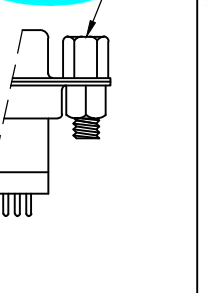
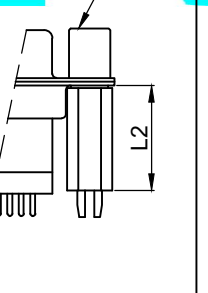
### Mechanical Specifications:

- ◆ Contact Extraction Force  
1 Kg Min.
- ◆ Contact Insertion Force  
5.5 Kg Max.
- ◆ Durability  
5000 Mating Cycles Min. 25 mm/min
- ◆ Operating Temperature Rating  
-55°C to +125°C

### Electrical Specifications:

- ◆ Contact Current Rating  
5 Amps
- ◆ Contact Resistance  
20 Milliohms Max. Initial
- ◆ Dielectric Withstanding Voltage  
1000V AC Min for 1 Minute
- ◆ Insulation Resistance  
5000 Megohms Min.

### Mounting Options

| BR Option                                                                                                                         | K Option                                                                                                                | R Option                                                                                                                  | BRJ Option                                                                                                                               | KJ Option                                                                                                               | RBR Option                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|  <p>#4-40 UNC</p> <p>Board Lock</p> <p>1.2</p> |  <p>#4-40 UNC Bushing</p> <p>1.2</p> |  <p>#4-40 UNC Round Nut</p> <p>1.2</p> |  <p>#4-40 UNC Screw</p> <p>Board Lock</p> <p>1.2</p> |  <p>#4-40 UNC Screw</p> <p>1.2</p> |  <p>#4-40 UNC Round Nut</p> <p>1.2</p> |