

◆ Right Angle PCB Mount .318" Footprint with Ferrite

Ordering Information:

DRF1XR - B 25 S - N J - CT
1 2 3 4 5 6 7

1. Series
DRF1XR-.318 Footpring Right Angle Connector with Ferrite
HTDRF1XR-Reflow Compatible Version
2. Shell Size
E-9 Contacts
A-15 Contacts
B-25 Contacts
C-37 Contacts
3. Number of Contacts Per Port
9,15,25,37
4. Contact Type
P-Pin Contact(Plug)
S-Socket Contact(Receptacle)
5. PCB Mounting Options
6. Front Panel Mounting Options
7. Plating Options
AT-30u" Gold In Contact Area
BT-15u" Gold In Contact Area
CT-Gold Flash

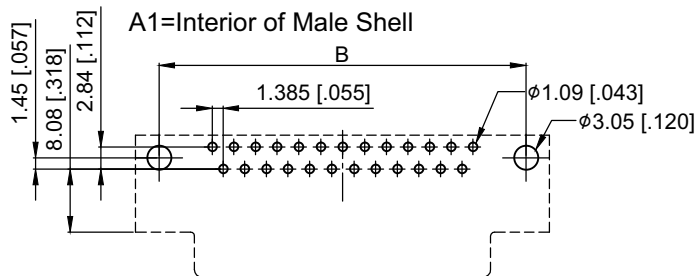
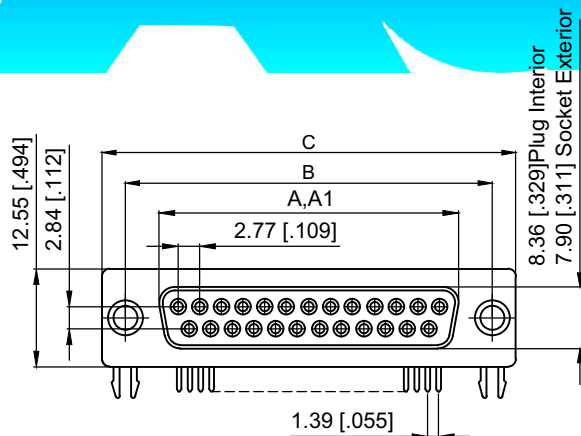
Ferrite Specifications

P/N	Measured Value(OHM)	Test Frequency	Thickness
09	20 MIN.	25 MHz	2.7 [.106]
	50 MIN.	100 MHz	
15	20 MIN.	25 MHz	2.7 [.106]
	50 MIN.	100 MHz	
25	20 MIN.	25 MHz	2.7 [.106]
	50 MIN.	100 MHz	
37	28 MIN.	25 MHz	2.4 [.094]
	52 MIN.	100 MHz	

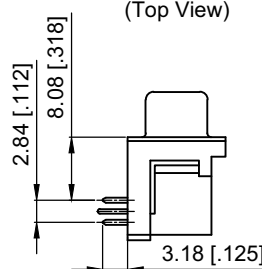
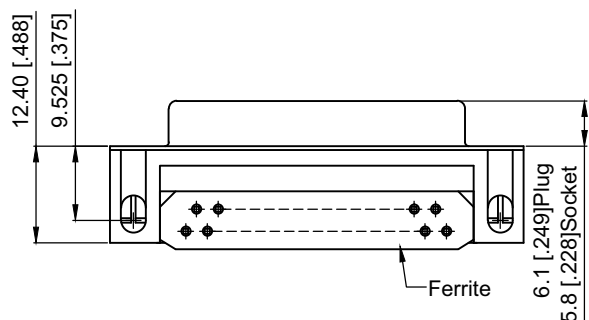
Shell Size	Dimensions			
	A	A1	B	C
9(E)	16.33 [.643]	16.92 [.666]	24.99 [.984]	30.81 [1.213]
15(A)	24.66 [.971]	25.25 [.994]	33.32 [1.312]	39.14 [1.541]
25(B)	38.38 [1.511]	38.96 [1.534]	47.04 [1.852]	53.04 [2.088]
37(C)	54.84 [2.159]	55.42 [2.182]	63.50 [2.500]	69.32 [2.729]

A=Exterior of Female Shell

A1=Interior of Male Shell



Recommended PCB Layout (Top View)



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Feature:

- ◆ Industry Standard Compatibility
- ◆ Durable Metal Shell Design
- ◆ Precision Formed Bifurcated Contacts
- ◆ Variety of Mating and Mounting Options
- ◆ Plug and Socket available in 9,15,25, and 37 Positions
- ◆ PC99 Colors available:
Pantone#322C(Teal)-9pos, Male
Pantone#131C(Gold)-15pos, Female
Pantone#235C(Burgundy)-25pos, Female

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 μ " and 30 μ " Optional) Over Nickel on Contact.
Tin Over Nickel or Gold Flash Over Nickel on Solder Tails
- ◆ Riveted Insert
Brass Material, Nickel Finish

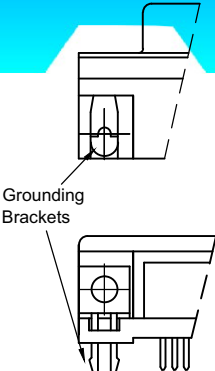
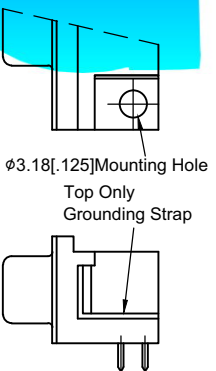
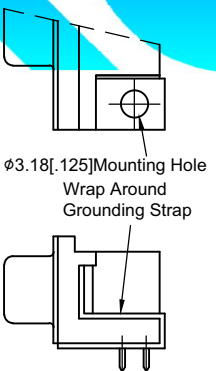
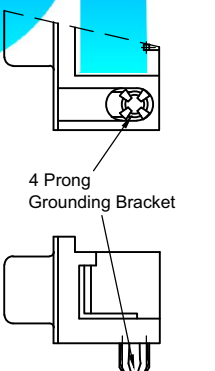
Mechanical Specifications:

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

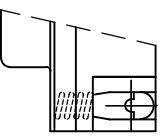
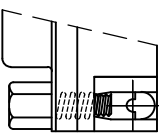
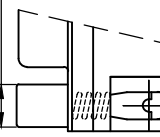
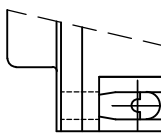
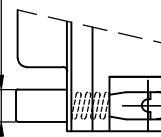
Electrical Specifications:

- ◆ 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.

PC Board Mounting Options

N Option	H Option	O Option	NV Option
			

Front Panel Mounting Options

Standard	-J Option	-R Option	-T Option	-SR Option	-JM3.0 Option
(4-40)Riveted Threaded Insert 	(4-40)Riveted Threaded Insert with 4-40 Hex. Jack Screws Installed to Connector 	(4-40)Round Jack Screws Riveted to Connector $\phi 5.00[.197]$ 	Riveted Non-Threaded Insert $\phi 3.18[\phi .125]$ 	(4-40)Round Jack Screws Riveted to Connector $\phi 3.81[.15]$ 	(4-40)Riveted Threaded Insert with M3/4-40 Hex. Jack Screws Installed to Connector 4-40 M3.0 