
1000pF Filtered DB15 M/F Bulkhead Connector

CONN216



Overview:

The CONN216 is a 15 Pin Bulkhead Male to Female 1000pF Pi Filtered D-Subminiature connector. This connector will provide RF filtering for many different applications. In our RF Shielded Test Enclosures, we mainly use the interface for low speed data, low voltage DC and low voltage AC applications. This interface provides the highest RF filtering of all of our DB15 interfaces. When selecting a DB15 interface, RF insertion loss is inverse to data speed allowed.

Applications:

- RF Shielded Test Enclosures or Screen Rooms.
- RS232/RS422 type data.
- I²C data.
- Switching Circuits.
- Audio Circuits.
- Low voltage DC.
- Low voltage AC.

Features:

- Provides RF filtering to maintain an enclosure's high RF isolation level while providing a feed-through path for electrical circuits.
- Nickel plated metal construction to provide good RF bond to enclosure, screen room, or RF test equipment.
- Easy connection via standard serial cables.



Specifications:

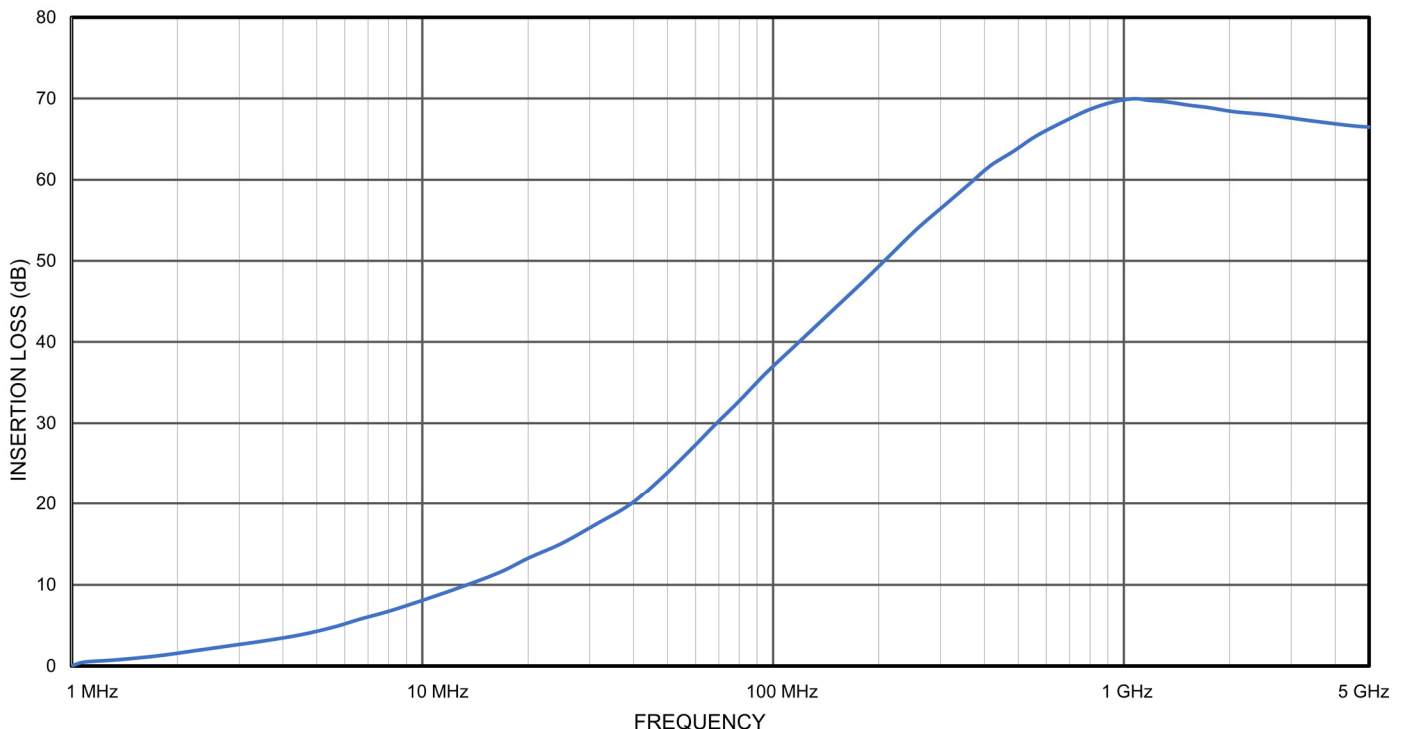
Electrical:

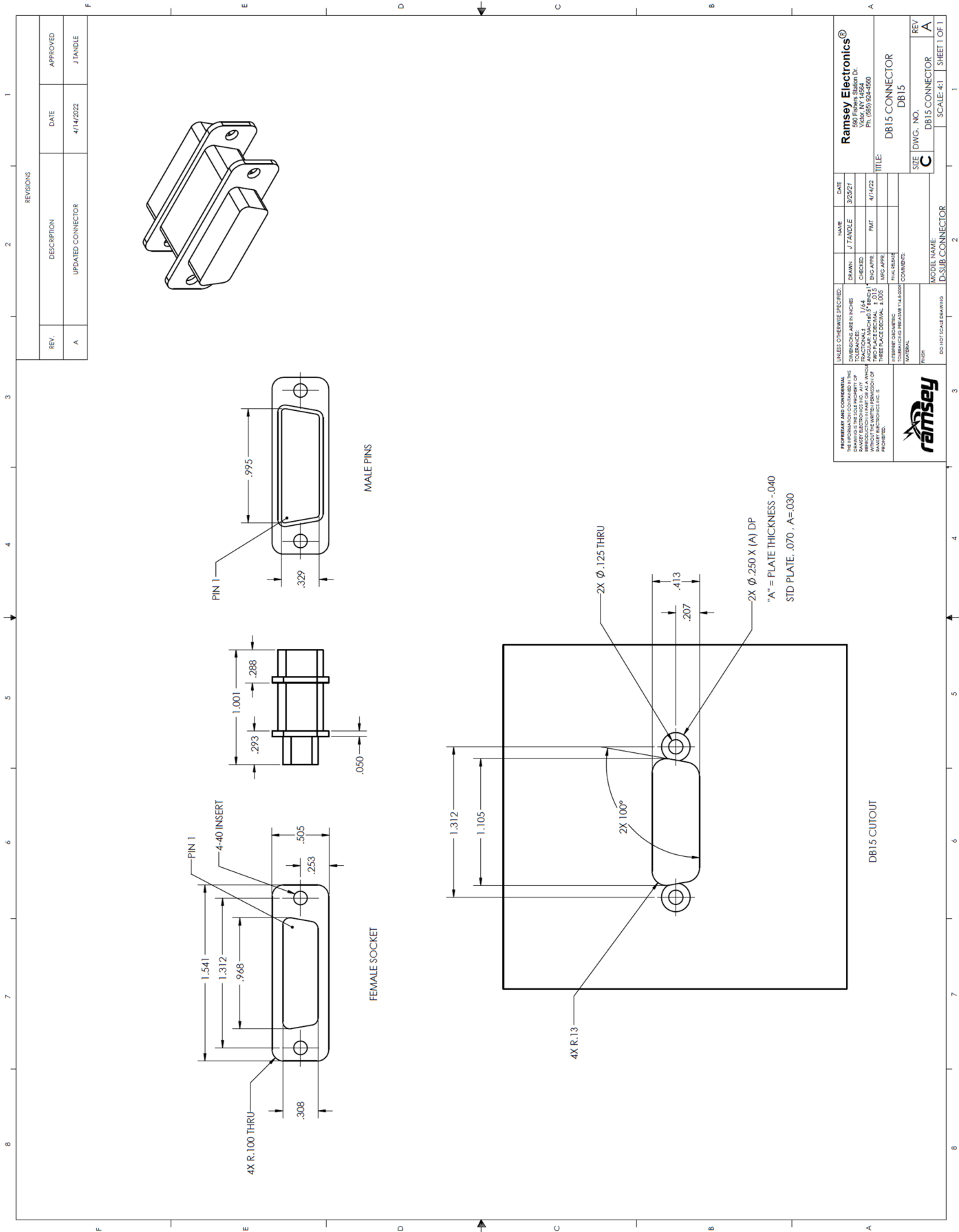
Working Voltage: 100VDC.
Maximum Current: 5 Amps.
RF Current: 0.3 Amps.
Contact Resistance: 10 Milliohms maximum.
Dielectric Withstanding Voltage: 300V.
Capacitance: 1000pF, +150% -0%.
Filter Type: Pi Filter.
3dB Cutoff Frequency: 3.2MHz maximum.
Filter Inductance: ~860nH between 100kHz and 1MHz.
Conductive Insertion Loss (Min): 17dB @ 50MHz.
27dB @ 100MHz.
58dB @ 500MHz.
70dB @ 1GHz.

Mechanical:

Pins: 15 Pins, Male/Female.
Operating Temperature: -55°C to +125°C.
Shell: Zinc or aluminum diecast, Nickel plated 150μ inches (3.8μm) min.
Pin Contacts: Copper Alloy, 15μ inches (.38μm) gold plated over nickel.
Socket Cup Contacts: Copper Alloy, 30μ inches (.76μm) gold plated over nickel.
Accepts 20 gauge wire.
Ground Plane: Brass, Solder plated.

Typical Insertion Loss





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