



D-Sub: High Power Filter Connectors

TMC-Series



General

The D-Sub High Power Series has been extended with the addition of two male and one female filtered connector. All three connectors are equipped with a 47nF capacitor. Both male connectors are designed to be soldered to a PC Board and the female connector termination is soldered to a 12 AWG wire. The female D-Sub filtered connector fits into the cable connector housing series KSG200, a sheet metal shielded Cable Housing with excellent EMI / RFI and ESD protection.

Electrical Data

- Capacitance: 47nF
- Current Rating: see Ordering Information
- Working Voltage: 400 VDC
- Dielectric Withstanding Voltage: 1000 VDC
- Insulation Resistance: 10,000 M Ω min @ 100 VDC
- Impulse Voltage: 1000 V / 1.2 μ s per IEC 1000-5, Class 2 and 60-2
- Insertion loss at 25 °C

Frequency (MHz)	5	10	100	1000
Attenuation (dB min)	30	37	50	45

Mechanical Data

- Mating Force: max. 10 N per Contact
- Unmating Force: min 1.6 N per Contact
- Mechanical Endurance: 500 Mating cycles

Technical Data

- Contact material: Copper Alloy
- Contact Plating: Au over Ni
- Insulator Material: Thermoplastic UL 94 V-0
- Shell: Carbon Steel, tinned
- Filter Array: Ceramic
- Connector meet performance requirements of MIL-C-24308

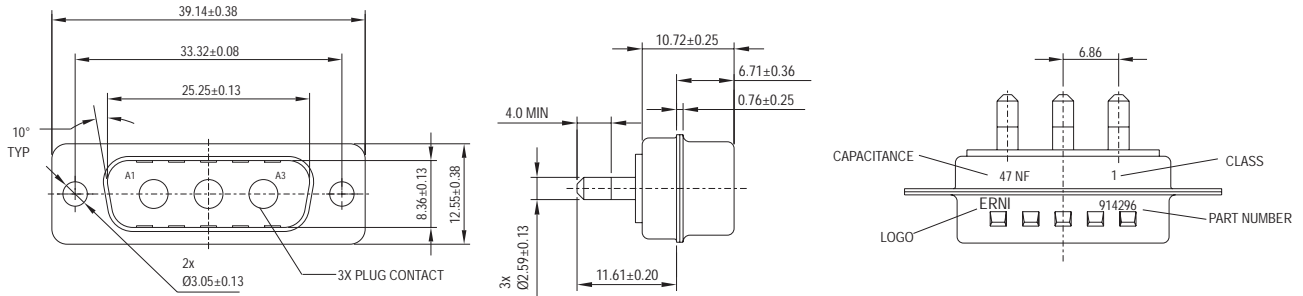
Ordering Information

Connector Type	Termination	Current Rating per Contact	Part-No.
Male 3W3	Solder	30 A	914296
Male coded 3WK3	Solder	30 A	914297
Female 3W3	Cable#12AWG	20 A	914196

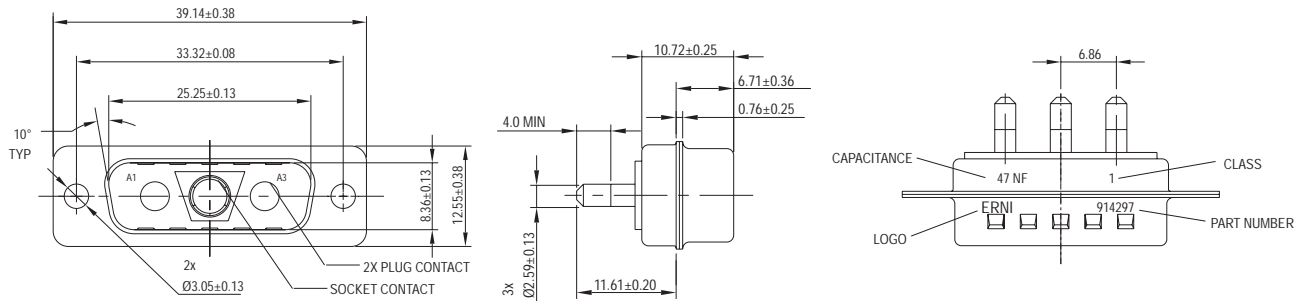


Dimensional Drawings

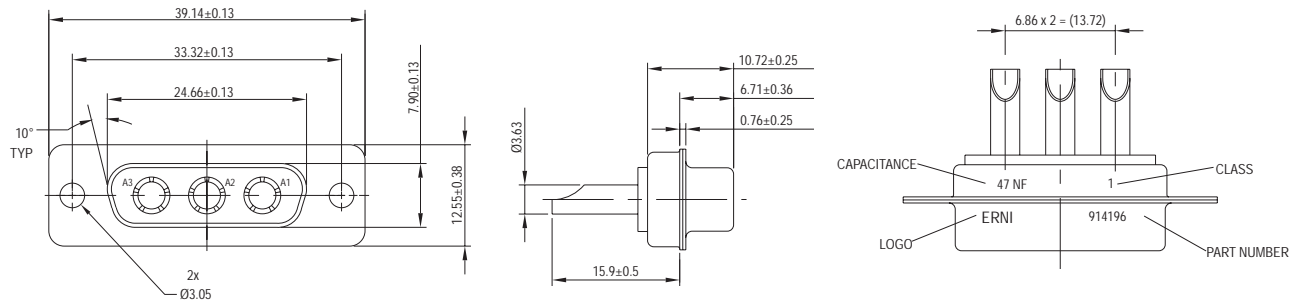
Male 3W3



Male coded 3WK3



Female 3W3



PCB Layout

Male 3W3 and 3WK3

