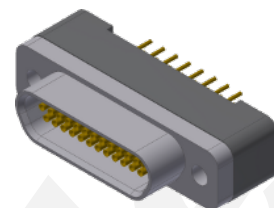


MDA251P75SBPG1

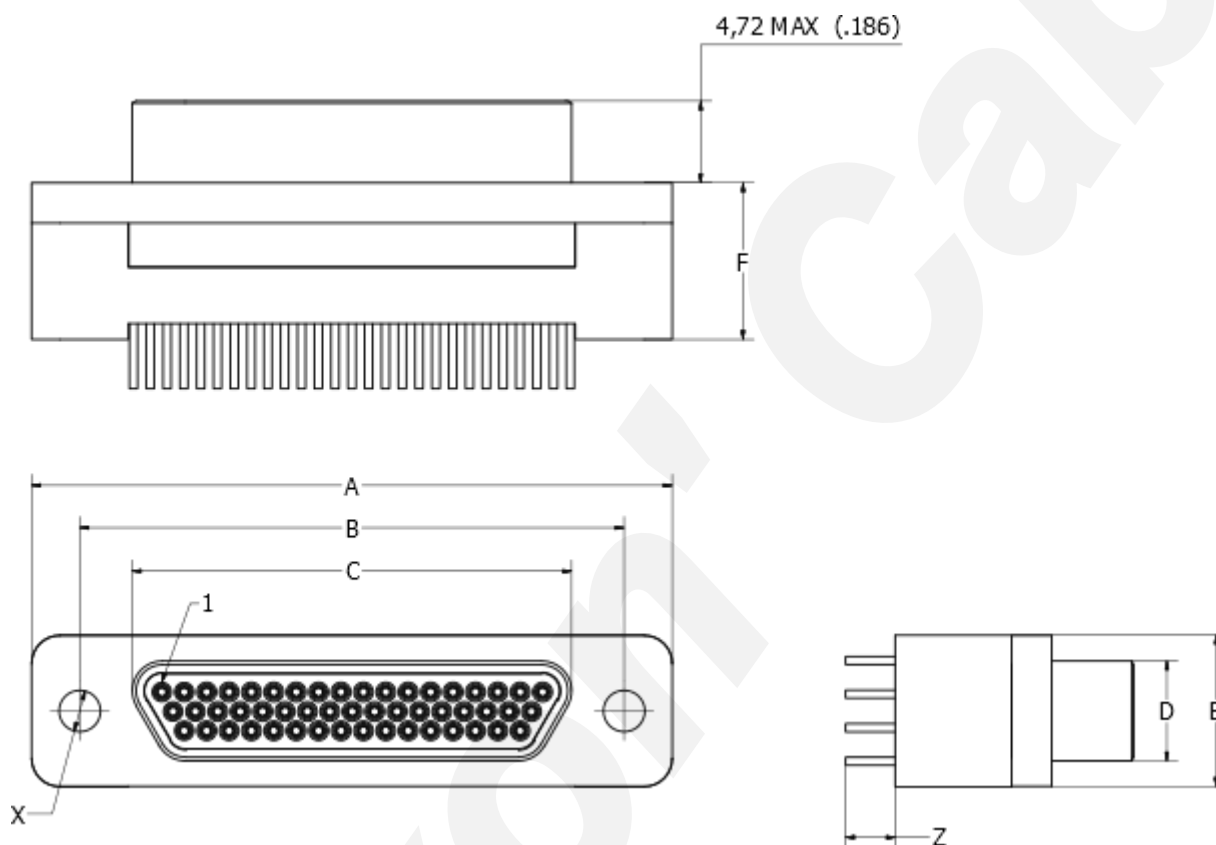
General information

- § Rectangular micro-D connector
- § Nickel aluminium shell + potting 150°C
- § PCB Vertical mount with pitch 0,075" board straight specific layout
- § Male (pin contacts) : 51 contacts
- § Gold plated solid conductor AWG 25 (MicroD) or AWG 30 (NanoD) : 2.80 mm (0.110")
- § Jackposts (removable)



Dimensions

Dimensions are in millimetres (inches)

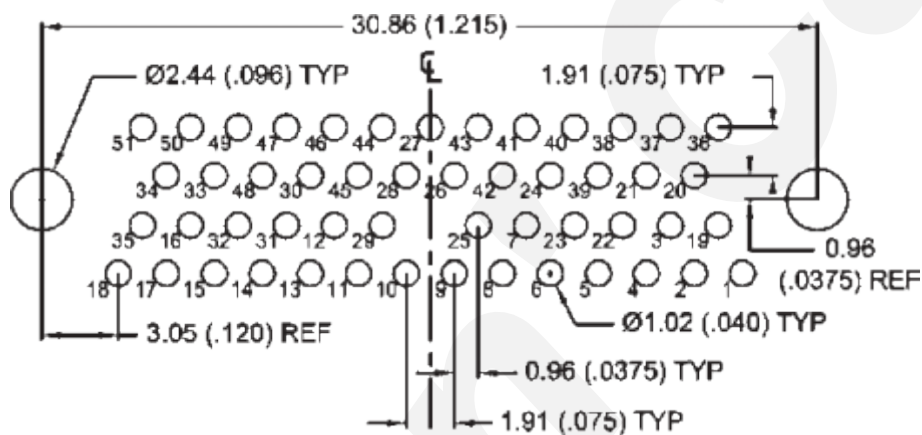


| A max. | B ± 0.13 (±.005) | C max. Male | C max. Female | D max. Male | D max. Female | E max. | F max. | X | Z ±0.38 (±.015) |
|---------|---------------------|----------------|------------------|----------------|------------------|--------|--------|-----------|--------------------|
| 36.45 | 30.86 | 24.99 | 26.70 | 5.79 | 7.44 | 10.16 | 9.02 | 2.24/2.44 | 2.80 |
| (1.435) | (1.215) | (.984) | (1.051) | (.228) | (.293) | (.400) | (.355) | (-) | (.110) |

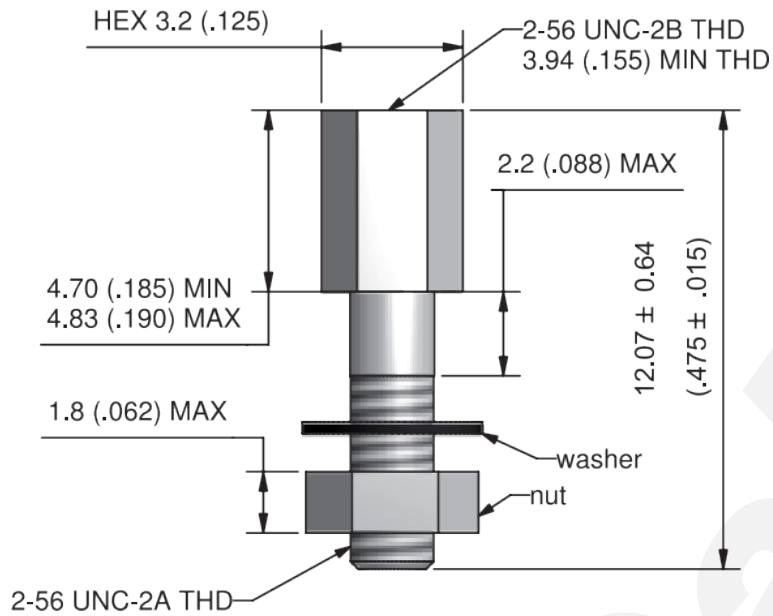
Summary of characteristics

| ELECTRICAL & MECHANICAL PERFORMANCE | | MATERIAL & FINISH | |
|--|--|--------------------------|---|
| CURRENT RATING | 3 A max. | SHELL | Aluminium alloy 6061 or 300 series stainless steel, see ordering info for plating options |
| CONTACT RESISTANCE | 8 mΩ max. | MOULDED INSULATOR | Liquid Crystal Polymer (LCP) |
| INSULATION RESISTANCE | 5000 MΩ min. @ 500 V AC | INTERFACIAL SEAL | Fluorosilicone rubber |
| DIELECTRIC WITHSTANDING VOLTAGE | Sea level : 600V AC Altitude 21km (70,000 ft) : 150V AC | PIN CONTACT | Copper and beryllium copper, gold over nickel plating |
| CONTACT ENGAGING FORCE | 170 g max. (6 oz) | SOCKET CONTACT | Copper alloy, gold over nickel plating |
| CONTACT SEPARATING FORCE | 14 g min. (0,5 oz) | ENCAPSULANT | Epoxy resin |
| CONTACT RETENTION | 2,26 kg (5 lbs) | MOULDED TRAY | Liquid Crystal Polymer (LCP) |
| DURABILITY | 500 mating cycles min. | PCB TERMINALS | See ordering info for PCB terminals material |
| VIBRATION | 20g's - No Discontinuity > 1μs | HARDWARE | 300 series stainless steel, passivated |
| SHOCK | 50g's - No Discontinuity > 1μs | | |

PCB Layout



Hardware



AXON' Cable