

MDA251S4W450P

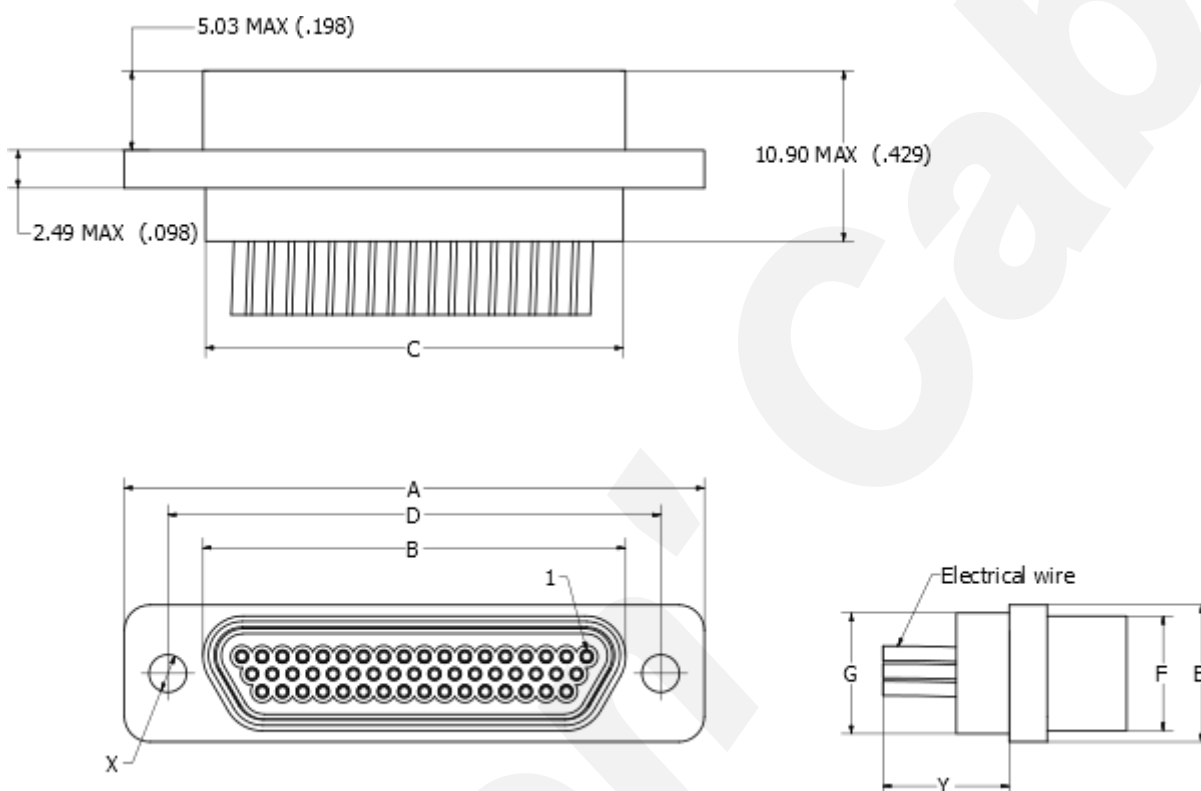
General information

- § Rectangular micro-D connector
- § Nickel aluminium shell + potting 150°C
- § E2619, AWG26, 19 strands, 600V : 10 colours, 450cm
- § Female (socket contacts) : 51 contacts
- § Jackposts (removable)



Dimensions

Dimensions are in millimetres (inches)



A ± 0.25 (±.010)	B max. Male	B max. Female	C - 0.46/+0.25 (-.018/+0.010)	D ± 0.13 (±.005)	E ± 0.25 (±.010)	F max. Male	F max. Female	G max.	X	Y -0/+50 (-0/+19.7)
36.20 (1.425)	24.99 (.984)	26.70 (1.051)	26.42 (1.040)	30.86 (1.215)	8.66 (.341)	5.79 (.228)	7.44 (.293)	7.87 (.310)	2.24/2.44 (-)	4500 (177.165)

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)	ENCAPSULENT	Epoxy resin
CONTACT RETENTION	2,26 kg (5 lbs)	HARDWARE	300 series stainless steel, passivated
DURABILITY	500 mating cycles min.		
VIBRATION	20g's - No Discontinuity > 1μs		
SHOCK	50g's - No Discontinuity > 1μs		

Hardware

