Micro D Series 100 Mil-C-83513 Qualified

Materials

Shell	– Aluminum
Insulator	– Polyphenylene Sulfide
Contacts	– Copper for Signal
Contact Finish	– 50µ" Gold over Nickel
Hardware	– Passivated Stainless Steel
Standard Epoxy	– EP1730-1 Black
High Temp Epoxy	– Stycast 2651/11

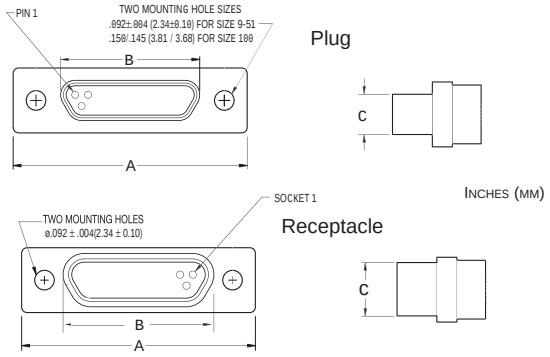
Electrical

Current	– 3A max
Magnetic Permeability	– 2.0 max
Voltage Sea Level	– up to 900Vac
Voltage 70,000Ft	– up to 300Vac
Contact Resistance	– 8mΩ @ 3A
Insulation Resis.	– 5000MΩ

Mechanical

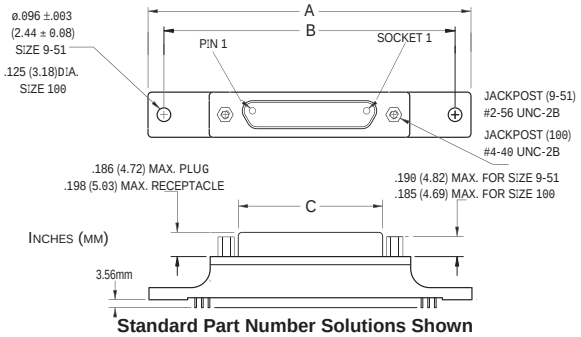
Durability	– 500 Cycles
Salt Spray	– Method 1001, Condition B 48Hrs
Thermal Shock	– Mil-Std-1344
Physical Shock	– Method 2004 Condition E
Fluid Immersion	– Mil-Dtl-83513
Humidity	– Mil-Std-1344 Mtd 1002 II
Solderability	– Mil-Std-202 Mtd 208

Type		Positions	Straight with Cable Part Number:	Dimensions (mm) A	B	C
Cable Solutions	Male	9 way	100RC09P4A5AB	19.94	8.48	4.70
		15 way	100RC15P4A5AB	23.75	12.29	4.70
		21 way	100RC21P4A5AB	27.56	16.10	4.70
		25 way	100RC25P4A5AB	30.10	18.64	4.70
		31 way	100RC31P4A5AB	33.91	22.45	4.70
		37 way	100RC37P4A5AB	37.72	26.26	4.70
		51 way	100RC51P4A5AB	36.45	24.99	5.79
		100 way	100RC100P4A5AB	54.86	35.13	6.88
	Female	9 way	100RC09S4A5AB	19.94	10.21	6.43
		15 way	100RC15S4A5AB	23.75	13.97	6.43
		21 way	100RC21S4A5AB	27.56	17.83	6.43
		25 way	100RC25S4A5AB	30.10	20.37	6.43
		31 way	100RC31S4A5AB	33.91	24.18	6.43
		37 way	100RC37S4A5AB	37.72	27.99	6.43
		51 way	100RC51S4A5AB	36.45	26.72	7.52
		100 way	100RC100S4A5AB	54.86	38.10	10.01

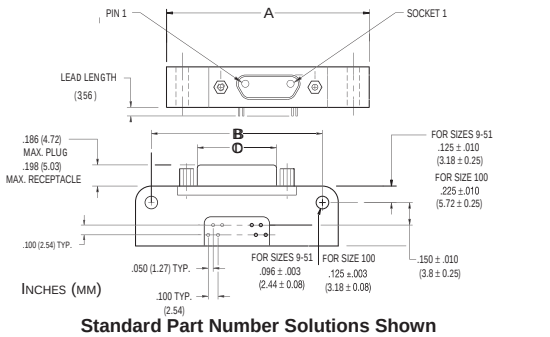


Standard Part Number Solutions Shown
Mil-DTL-83513 Metal Shell with Polyphenylene Sulfide Insulator Cadmium Shell finish. Supplied with 45cm long 26AWG 7 Strand NEMA-HP3 Colour coded per Mil-Std-681 – Standrad Mounting Holes

Type		Positions	Straight Part Number:	Dimensions (mm) A	B	C	Right Angle Part Number:	Dimensions (mm) A	B	C	Positions	Type	
PCB Mount	Male	9 way	100RC09PBSP2	35.31	29.21	8.48	100RC09PCBRP2	19.94	14.35	8.48	9 way	Male	PCB Mount
		15 way	100RC15PBSP2	35.31	29.21	12.29	100RC15PCBRP2	23.75	18.16	12.29	15 way		
		21 way	100RC21PBSP2	43.93	36.83	16.10	100RC21PCBRP2	27.56	21.97	16.10	21 way		
		25 way	100RC25PBSP2	44.20	38.10	18.64	100RC25PCBRP2	30.10	24.51	18.64	25 way		
		31 way	100RC31PBSP2	51.82	45.72	22.45	100RC31PCBRP2	33.91	28.32	22.45	31 way		
		37 way	100RC37PBSP2	59.44	53.34	26.26	100RC37PCBRP2	37.72	32.13	26.26	37 way		
		51 way	100RC51PBSP2	67.66	50.80	24.99	100RC51PCBRP2	36.45	30.86	24.99	51 way		
		100 way	100RC100PBSP2	77.98	71.12	35.13	100RC100PCBRP2	55.12	45.72	35.13	100 way		
	Female	9 way	100RC09SBSP2	35.31	29.21	10.21	100RC09SCBRP2	19.94	14.35	10.21	9 way	Female	
		15 way	100RC15SBSP2	35.31	29.21	13.97	100RC15SCBRP2	23.75	18.16	13.97	15 way		
		21 way	100RC21SBSP2	43.93	36.83	17.83	100RC21SCBRP2	27.56	21.97	17.83	21 way		
		25 way	100RC25SBSP2	44.20	38.10	20.37	100RC25SCBRP2	30.10	24.51	20.37	25 way		
		31 way	100RC31SBSP2	51.82	45.72	24.18	100RC31SCBRP2	33.91	28.32	24.18	31 way		
		37 way	100RC37SBSP2	59.44	53.34	27.99	100RC37SCBRP2	37.72	32.13	27.99	37 way		
		51 way	100RC51SBSP2	67.66	50.80	26.72	100RC51SCBRP2	36.45	30.86	26.72	51 way		
		100 way	100RC100SBSP2	77.98	71.12	38.10	100RC100SCBRP2	55.12	45.72	38.10	100 way		



Standard Part Number Solutions Shown
Mil-DTL-83513 Metal Shell with Polyphenylene Sulfide Insulator Cadmium Shell finish.



Standard Part Number Solutions Shown
Mil-DTL-83513 Metal Shell with Polyphenylene Sulfide Insulator Cadmium Shell finish.

Variations

Series 101	– Low Profile version
Series 102	– All Plastic version of Series 100
Series 104	– Stainless Steel version of 100
Shell Finishes	– Anodized/Gold/Irridite-Alodine/Electroless Nickel/Tin
Crimp Contact	– 24~32AWG for Stranded and Solid
Mounting Options	– Jackscrews/Float/Jackpost
Solder Tail	– 2.77/4.37/6.35mm
Insert Arrangements	– Signal+Power+Coaxial combinations
Narrow Body Right Angle PCB Mount	
Detailed Catalogue	– Amphenol Phoenix Interconnect

Insert Arrangements

