

AS12 - technical data

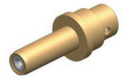
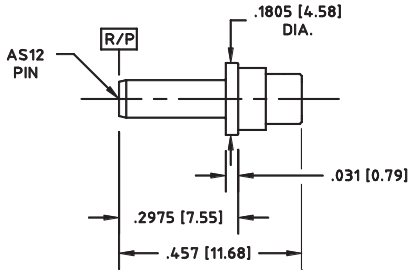
Electrical data	Requirements
Impedance	50 Ω
Frequency range	MIL-C-39029/73 and /74: DC to 12.4 GHz MIL-C-39029/102 and /103: DC to 2 GHz
Contact resistance	center conductor 6.0 milliohms max. outer conductor 2.0 milliohms max.
DWV	500 Vrms at sea level
Insulation resistance	5 000 megaohms min.
Corona levels	125 Vrms at 70 000 ft
RF high potential	325 Vrms at 5 MHz
RF leakage	80 dB max. at 2 GHz 60 dB max. at 2 to 12.4 GHz
Magnetic permeability	< 2 μ
VSWR	MIL-C-39029/73 and /74: 1.35:1 to 12.4 GHz MIL-C-39029/102 and /103: 1.25:1 to 2 GHz
Insertion loss	0.09 + 0.08 \sqrt{f} in GHz

Mechanical data	Requirements
Durability	500 cycles min.
Force to engage	AS12 pin: 20 oz (5.560 N) max. AS12 socket: 36 oz (10.008 N) max.
Force to disengage	AS12 pin: 0.4 oz (0.111 N) min. AS12 socket: 2.5 oz (0.695 N) min.

Environmental data	Requirements
Temperature range	-55 to +125 °C
Thermal shock	MIL-STD-202, method 107, condition B
Moisture resistance	MIL-STD-202, method 106
Corrosion	MIL-STD-202, method 101, condition B
Sine vibration	MIL-STD-202, method 204, condition D
Random vibration	MIL-STD-202, method 214, condition K-I, 46.3 g
Shock	MIL-STD-202, method 213, condition I

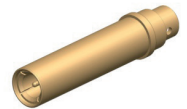
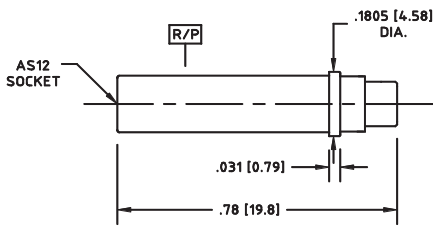
AS12 - cable connectors

AS12 pin contact (MIL-C-39029/102)



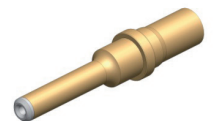
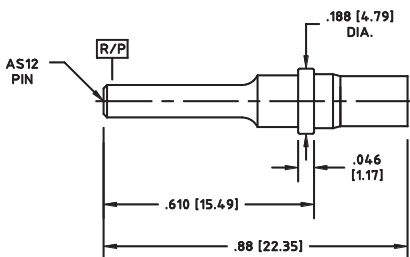
HUBER+SUHNER type	Item no.	Cable group (example)	Packaging
29930-2	80368774	Y3, Y16, Y11 (0.086 in. (2.18 mm))	single

AS12 socket contact (MIL-C-39029/103)



HUBER+SUHNER type	Item no.	Cable group (example)	Packaging
29931-2	80368775	Y3, Y16, Y11 (0.086 in. (2.18 mm))	single

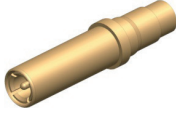
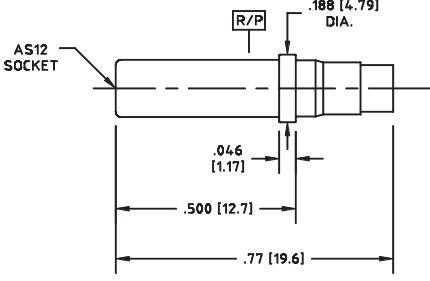
AS12 pin contact (MIL-C-39029/74)



HUBER+SUHNER type	Item no.	Cable group (example)	Packaging
29933-2	80395456	Y3, Y16, Y11 (0.086 in. (2.18 mm))	single

AS12 - cable connectors

AS12 socket contact (MIL-C-39029/73)



HUBER+SUHNER type	Item no.	Cable group (example)	Packaging
29934-2	80340816	Y3, Y16, Y11 (0.086 in. (2.18 mm))	single