

These new models have been especially designed for **BLIND-MATE APPLICATIONS** (back-planes and links between mother-card and daughter-cards) in the telecom and datacom industries **up to 22 GHz**.

The new **commercial BMA series** connectors are fully compatible with **MIL standard BMA series**.

All piece parts have been optimized to combine the lowest cost possible in a high performance design.

The cable connectors are crimp type on double or single braid flexible cables and solder type on semi-rigid cables. They are manufactured in brass with BBR finish (non-magnetic Bronze alloy). The PCB receptacles are made of brass with gold finish.

### ELECTRICAL CHARACTERISTICS

Impedance		50 $\Omega$
Operating frequency		DC to 22 GHz for S.R. cable DC to 12.4 GHz for others
Typical V.S.W.R.	$\varnothing 2.6 / \varnothing 5 + .141"$ .085" receptacles	1.15 + 0.02 F (F in GHz) 1.07 + 0.01 F (F in GHz) 1.25 max. at 10 GHz
RF insertion loss	(dB) cable connectors receptacles	0.03 $\sqrt{F}$ (F in GHz) 0.07 $\sqrt{F}$ (F in GHz)
Testing voltage	(V RMS)	1000
Working voltage	(V RMS)	350
Insulation resistance	(M $\Omega$ )	5000

### ENVIRONMENTAL CHARACTERISTICS

Temperature range	- 65 °C, + 125 °C
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### MECHANICAL CHARACTERISTICS

Life		500 matings
Cable retention force	.085" .141" $\varnothing 2.6$ D $\varnothing 5$ D	136 N 272 N 110 N 180 N
Total misalignment		+/- 0.475 floating

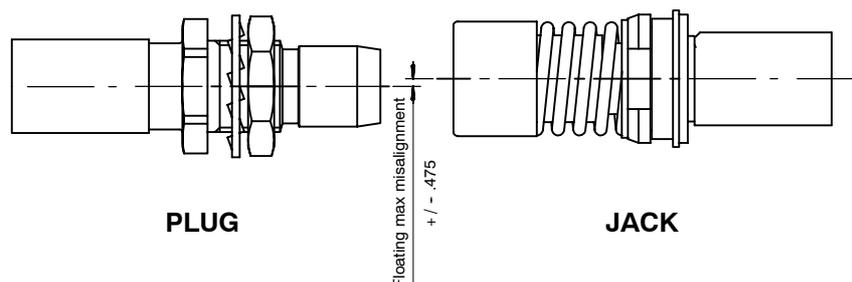
### MATERIALS

Bodies	Brass
Center contacts	Bronze
Insulator	PTFE
Spring	Stainless steel

### PLATING

Bodies	plugs, jacks PCB receptacles	BBR ( <i>non magnetic plating</i> ) Gold
Center contacts		Gold

Standard packaging : 100 pieces. For unit packaging, add W after the part number.



All dimensions are given in mm.