



	RC04-04 RC Springprobe™	RC05-01 RC Springprobe™	RC08-02 RC Springprobe™	RC10-07 RC Springprobe™	RC10-04 RC Springprobe™	RC12-06 RC Springprobe™	CR08-062 RC Connect-R™	SC05-06 RC Scrub-R™	SC04-03 RC Scrub-R™
Contact Material	Gold Plated Beryllium Copper	Gold Plated Beryllium Copper	Gold Plated Beryllium Copper	Gold Plated Beryllium Copper	Gold Plated Beryllium Copper	Gold Plated Beryllium Copper	Gold Plated Beryllium Copper	Semi-Precious Alloy	Proprietary Alloy
Mated Height (in/mm)	0.030/0.76	0.030/0.76	0.045/1.14	0.055/1.40	0.085/2.16	0.090/2.29	.062/1.57	0.036"(.91mm)	0.036"(.91mm)
Minimum Pitch (in/mm)	0.0157/0.40	0.0197/0.50	0.0315/0.80	0.0394/1.00	0.0394/1.00	0.0500/1.27	0.0315/0.80	0.020"(.5mm)	0.016"(.4mm)
Compression Force/Contact (grams ± 20%)	20	20	20	24	22	34	60	11	25
Compression Range (in/mm)	0.006/0.15	0.006/0.15	0.009/0.23	0.010/0.25	0.015/0.38	0.015/0.38	0.010/0.25	0.008"(.20mm)	0.010"(.25mm)
Contact Resistance (mΩ)	60	70	60	50	66	65	50	80	40
Self-Inductance (nH)	~.50	0.45	0.73	0.92	1.35	~1.50	0.61	0.29	0.29
High Freq Capacity (-1 dB point, GHz)	~20	25	20	37	11	~20	40 (@1mm Pitch)	32.7	32.7
Characteristic Impedance at Native Pitch (Ohms)	56	65	61	73			57 (@ 1mm Pitch)	51.6	51.6
Durability (Cycles)	10,000	10,000	10,000	10,000	10,000	10,000	1,000	500,000	500,000
Current Carrying Capacity (Single Contact at 30°C Temp Offset, Amps)	~1	~1	1.8	~4	3.3	3.55	~2	3.1	3.1
Approximate Insertion Loss at Native Pitch W/O Contact Element at 10/20/40 GHz (-dB)	N/A	GSG: 0.25/0.55/2.15 GSSG: 0.50/0.6/2.75	GSG: 0.15/1.0/2.75 GSSG: 1/1.5/2.5	GSG: 0.25/0.55/2.35 GSSG: 0.5/0.65/3.3	N/A	N/A	GSG: 0.15/0.35/0.9 GSSG: 0.85/1.6/1.35	N/A	N/A
Approximate Return Loss at Native Pitch W/O Contact Element at 10/20/40 GHz (-dB)	N/A	GSG: 16/10/6 GSSG: 14/13/5	GSG: 20/10/6 GSSG: 13/11/11	GSG: 15/15/14 GSSG: 10/8/5	N/A	N/A	GSG: 24/15/10 GSSG: 13/8/30	N/A	N/A
Approximate Insertion Loss at Native Pitch with Contact Element at 10/20/40 GHz (dB)	N/A	GSG: 0.1/0.15/1.0 GSSG: 0.2/0.55/1.2	GSG: 0.2/1.65/2.65 GSSG: 0.5/1/2.7	GSG: 0.15/2.4/1.2 GSSG: 0.25/2.4/1.2	N/A	N/A	N/A	N/A	N/A
Approximate Return Loss at Native Pitch with Contact Element at 10/20/40 GHz (dB)	N/A	GSG: 30/17/7 GSSG: 22/17/10	GSG: 17/8/15 GSSG: 17/10/8	GSG: 12/5/7 GSSG: 12/5/7	N/A	N/A	N/A	N/A	N/A

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