

高速, 狭ピッチコネクタ ソリューション

High Speed, Tight Pitch Connector Solutions



	RC04-03 RC Springprobe™	RC05-01 RC Springprobe™	RC07-04 RC Springprobe™	RC08-02 RC Springprobe™	RC10-07 RC Springprobe™	RC10-05 RC Springprobe™	RC10-04 RC Springprobe™	RC10-14 RC Springprobe™	RC12-06 RC Springprobe™	CR10-01 RC Connect-R™	CR08-01 RC Connect-R™	CR08-01 (Solder Down) RC Connect-R™	SC05-06 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	Gold Plated Beryllium Copper	Gold Plated Beryllium Copper	Gold Plated Beryllium Copper	Gold Plated Beryllium Copper	Gold Plated Beryllium Copper	Semi-Precious Alloy
Mated Height (STD Contact)	0.032"	0.032"	.052"	0.045"	0.055"	0.075"	0.085"	0.085"	0.090"	.061"	0.085"	0.085"	0.036"
Pitch	0.016" (0.4mm)	0.020" (0.5mm)	0.028" (0.7mm)	0.031" (0.8mm)	0.039" (1mm)	0.039" (1mm)	0.039" (1mm)	0.039" (1mm)	0.050" (1.27mm)	.0394" (1mm)	0.024" (0.6mm)	0.024" (0.6mm)	0.020" (0.5mm)
Compression Force/Contact (grams +/-20%)	32	20	6	15	23.5	23.5	21.5	12	34	30	40	40	≈11
Compression Range	0.004"-0.006"	0.004"-0.006"	.010"	0.007"	0.010"	0.010"	0.015"	0.015"	0.015"	.008"	0.012"	0.012"	0.007"
Contact Resistance	60 mΩ	60 mΩ	60 mΩ	60 mΩ	41 mΩ	55 mΩ	66 mΩ	≈65mΩ	65 mΩ	40 mΩ	50 mΩ	50 mΩ	80 mΩ
Inductance	≈.5nH (self)	0.5 nH (self)	≈1nH (self)	0.73 nH (self)	.92 nH (self)	1.31 nH (self)	1.35 nH (self)	≈1.4nH (self)	≈1.5nH (self)	≈.75nH (self)	.98 nH (self)	.98 nH (self)	0.29 nH (self)
High Freq Capacity (-1 dB point)	≈20GHz	24 GHz	≈15GHz	20.3 GHz	37.3 GHz	6.2 GHz	10.85 GHz	≈7Ghz	≈20Ghz	≈40Ghz	19.7 GHz	19.7 GHz	32.7 GHz
Characteristic Impedance at Native Pitch (Ohms)	≈56 ohms	56 ohms		60.7 ohms	73.4 ohms	79.6 ohms				51.6ohms	61.6 ohms	61.6 ohms	51.6 ohms
Durability*	10,000 Cycles	10,000 Cycles	10,000 Cycles	10,000 Cycles	10,000 Cycles	10,000 Cycles	10,000 Cycles	10,000 Cycles	10,000 Cycles	1000 Cycles	1000 Cycles	1000 Cycles	250,000 Cycles
Current Carrying Capacity (single contact at 30C temp offset)	≈0.5 A	≈0.5 A	≈0.5 A	1.8 A	≈4 A	3.35 A	3.30 A	≈1 A	3.55 A	≈2 A	≈2 A	≈2 A	3.1 A

* = Estimated data based on similar testing

-All contact are machinable, capable of withstanding 15Gs; 10-2000 Hz Vibration with no Discontinuity greater than 1 microsecond, 1000Gs 6ms Shock with no discontinuity greater than 1 microsecond, and 96 hours at 160C.

Dielectric Strength of Insulator Materials
 - Black Ultem 1000 = 830 V/mil
 - Vespel SP1 = 960 V/mil
 - Torlon 4203 = 580 V/mil



株式会社 エス・イー・アール