

Revision No. 2008-2

Socketpin Specifications

Black color : for Wafer Level Test

Blue color : for Test Socket

Red color : Kelvin Contact

	Minimum Pitch	Device Side Full Travel	Probe Length @ Full Travel	Spring Force		Inductance Note 1)	Capacitance	DC Resistance Note 2),3)	Rated Current Note 4)			
				2/3 Travel	Full Travel				25°C	100°C	125°C	150°C
SCP09-2208BP-T	0.14 mm	0.22 mm	1.80 mm	3.5 gf	4.5 gf	0.66nH	0.10pF	570mΩ	0.55A	~		
SCP10-2500BP-W	0.15 mm	0.25 mm	2.20 mm	4.3 gf	5.3 gf	0.71nH	0.11pF	450mΩ	0.6A	0.5A	0.4A	0.3A
SCP10-2510BP-T		0.25 mm	2.20 mm	3.8 gf	5.3 gf	0.71nH	0.11pF	450mΩ	0.6A	0.5A	0.4A	0.3A
SCP12-3500BP-W	0.175 mm	0.35 mm	2.40 mm	4.0 gf	6.0 gf	0.8nH	0.14pF	400mΩ	make-to-order production			
SCP12-2510BP-T		0.25 mm	2.20 mm	4.8 gf	6.1 gf	0.67nH	0.12pF	400mΩ	0.6A	0.5A	0.4A	0.3A
SCP12-2515BP-V		0.25 mm	2.80 mm	8.2 gf	9.9 gf	0.86nH	0.16pF	300mΩ	0.6A	0.5A	0.4A	0.3A
SCP14-3500BP-W	0.20 mm	0.35 mm	2.40mm	6.0 gf	9.0 gf	0.63nH	0.14pF	250mΩ	1.1A	0.9A	0.7A	0.6A
SCP14-3010BP-T		0.30 mm	2.40 mm	6.6 gf	8.5 gf	0.68nH	0.14pF	180mΩ	1.2A	1.0A	0.8A	0.6A
SCP14-3015BP-V		0.30 mm	2.90 mm	8.1 gf	9.8 gf	0.81nH	0.17pF	200mΩ	1.2A	0.9A	0.7A	0.6A
SCP14-3020AP-N		0.30 mm	3.10 mm	7.2 gf	8.5 gf	0.8nH	0.21pF	200mΩ	1.2A	0.9A	0.7A	0.6A
SCP18-3020AP-N	0.25mm	0.30 mm	3.10 mm	7.6 gf	8.5 gf	0.83nH	0.17pF	200mΩ	1.3A	0.9A	0.7A	0.6A
SCP23-3020AP-N	0.30 mm	0.30 mm	3.10 mm	8.7 gf	10.0 gf	0.78nH	0.20pF	180mΩ	1.5A	~	1.0A	~
SCP27-3500BP-W	0.40 mm	0.35 mm	3.50 mm	7.5 gf	10.0 gf	0.8nH	0.3pF	180mΩ	2.2A	~	1.5	~
SCP27-5000BP-W		0.50 mm	7.50 mm	7.5 gf	10.0 gf	1.5nH	0.5pF	250mΩ	2.0A	~	1.2	~
SCP27-5020FP-N		0.50 mm	4.50 mm	28.2 gf	35.0 gf	1.0nH	0.32pF	130mΩ	2.2A	~	1.6A	~
SCP35-3520DP-T	0.50 mm	0.35 mm	2.80 mm	15.0 gf	18.0 gf	0.76nH	0.19pF	100mΩ	2.5A	2.0A	2.0A	2.0A
SCP35-5020FP-N		0.50 mm	4.50 mm	15.4 gf	35.0 gf	1.10nH	0.32pF	120mΩ	2.5A	2.0A	2.0A	2.0A
SCP50-3520CP-T	0.65 mm	0.35 mm	2.80 mm	17.1 gf	20.1 gf	0.69nH	0.22pF	80mΩ	4.0A	3.0A	3.0A	3.0A
SCP50-5020FP-N		0.50 mm	4.50 mm	29.3 gf	35.0 gf	1.07nH	0.38pF	100mΩ	4.0A	3.0A	3.0A	3.0A
SCP65-3520DP-T	0.80 mm	0.35 mm	2.80 mm	16.9 gf	21.0 gf	0.57nH	0.25pF	50mΩ	5.0A	5.0A	5.0A	4.0A
SCP65-5020FP-N		0.50 mm	4.50 mm	30.1 gf	35.0 gf	0.86nH	0.38pF	80mΩ	5.0A	5.0A	5.0A	4.0A
SCP80-3520DP-T	1.00 mm	0.35 mm	2.80 mm	21.0 gf	25.3 gf	0.77nH	0.30pF	50mΩ	5.0A	5.0A	5.0A	4.0A
SCP80-6040FP-N		0.60 mm	4.90 mm	29.6 gf	35.0 gf	1.13nH	0.50pF	80mΩ	5.0A	5.0A	5.0A	4.0A
Z1427-4020FP-N	0.2-0.4mm	0.40 mm	6.00 mm	28.4 gf	35.0 gf	1.49nH	0.40pF	180mΩ	1.5A	~	~	~
Z2335-4020FP-N	0.3-0.5mm	0.40 mm	6.00 mm	29.8 gf	35.0 gf	1.57nH	0.35pF	160mΩ	2.0A	~	~	~

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Note1) Approximate Pin Inductance at any frequency

Note2) DC Resistance is based on average value.

Note3) 0.5mm pitch and over probe units have 1,000 mega-ohm (at DC 500V) over Insulation Resistance and AC 700V (for 1 minute) withstand voltage. But these values are depends upon probe housing material.

Note4) Evaluating criterion : 20% reduction of spring force after 1 hour current loading
5.0A is the maximum current capability of the test equipment.

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