



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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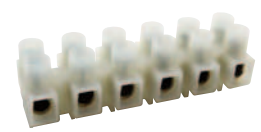
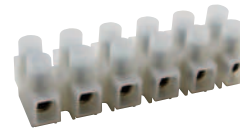
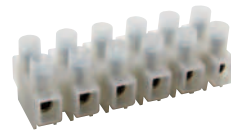


**TSF1.5**

**TSF2.5**

**TSF6**

**TSF16**



**Dimensions & Weight**

Pitch Spacing	<b>8 mm</b>	<b>10 mm</b>	<b>12 mm</b>	<b>15 mm</b>
Weight per piece (12 pole)	30 g	36 g	50 g	98 g

**Technical Data/Ratings**

Approvals												
Wire Size (solid / stranded)	<b>22-12 AWG</b>	22-16 AWG	0.2-1.5 mm <sup>2</sup>	<b>22-10 AWG</b>	18-12 AWG	0.2-4 mm <sup>2</sup>	<b>20-8 AWG</b>	18-10 AWG	0.2-6 mm <sup>2</sup>	<b>14-6 AWG</b>	18-6 AWG	0.2-16 mm <sup>2</sup>
Voltage Rating	600 V	600 V	400 V	600 V	600 V	400 V	600 V	600 V	400 V	600 V	600 V	800 V
Current Rating	20 A	15 A	15 A	30 A	30 A	26 A	40 A	40 A	44 A	63 A	65 A	82 A
Torque	4.4 lb-in		0.5 Nm	5.3 lb-in		0.6 Nm	7 lb-in		0.8 Nm	20 lb-in		2.25 Nm
Insulation Material	Polyamide 6.6			Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Insert Material	Nickel Plated Copper Alloy			Nickel Plated Copper Alloy			Nickel Plated Copper Alloy			Nickel Plated Copper Alloy		
Terminal Screw Material	Zinc Yellow Chromated Steel			Zinc Yellow Chromated Steel			Zinc Yellow Chromated Steel			Zinc Yellow Chromated Steel		

**Installation Instructions**

Wire Stripping Length	5 mm (0.2 in.)	6 mm (0.24 in.)	7 mm (0.28 in.)	8 mm (0.32 in.)
Mounting Hole Diameter	2.8 mm	3.5 mm	4.4 mm	4.2 mm
Terminal Screw Size	M2.5	M3	M3.5	M5

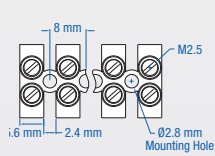
**Terminal Blocks**

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.				
2 pole	<b>40.102</b>	13.6 mm	100	<b>40.302</b>	17.0 mm	100	<b>40.502</b>	20.0 mm	100	<b>40.702</b>	25.0 mm	40
3 pole	<b>40.103</b>	21.5 mm	100	<b>40.303</b>	27.0 mm	100	<b>40.503</b>	32.0 mm	100	<b>40.703</b>	40.0 mm	40
4 pole	<b>40.104</b>	29.5 mm	100	<b>40.304</b>	37.0 mm	100	<b>40.504</b>	44.0 mm	100	<b>40.704</b>	55.0 mm	40
5 pole	<b>40.105</b>	37.4 mm	100	<b>40.305</b>	47.0 mm	100	<b>40.505</b>	56.0 mm	100	<b>40.705</b>	70.5 mm	40
6 pole	<b>40.106</b>	45.4 mm	50	<b>40.306</b>	57.0 mm	50	<b>40.506</b>	68.0 mm	50	<b>40.706</b>	86.0 mm	20
7 pole	<b>40.107</b>	53.3 mm	50	<b>40.307</b>	67.0 mm	50	<b>40.507</b>	80.0 mm	50	<b>40.707</b>	101.0 mm	20
8 pole	<b>40.108</b>	61.3 mm	50	<b>40.308</b>	77.0 mm	50	<b>40.508</b>	92.0 mm	50	<b>40.708</b>	116.0 mm	20
9 pole	<b>40.109</b>	69.2 mm	50	<b>40.309</b>	87.0 mm	50	<b>40.509</b>	104.0 mm	50	<b>40.709</b>	131.0 mm	10
10 pole	<b>40.110</b>	77.2 mm	50	<b>40.310</b>	97.0 mm	50	<b>40.510</b>	116.0 mm	25	<b>40.710</b>	146.0 mm	10
11 pole	<b>40.111</b>	85.1 mm	50	<b>40.311</b>	107.0 mm	50	<b>40.511</b>	128.0 mm	25	<b>40.711</b>	161.0 mm	10
12 pole	<b>40.112</b>	93.0 mm	50	<b>40.312</b>	117.0 mm	50	<b>40.512</b>	140.0 mm	25	<b>40.712</b>	176.0 mm	10

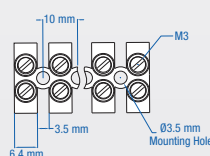
**Accessories**

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
External Jumpers	HCL8-2	100	HCL10-2	100	HCL12-2	100	HCL15-2	100
	HCL8-3	100	HCL10-3	100	HCL12-3	100	HCL15-3	100
	HCL8-4	100	HCL10-4	100	HCL12-4	100	HCL15-4	100
	HCL8-12	25	HCL10-12	25	HCL12-12	25	HCL15-12	25
Isolation Partition	—	—	HEP4/6H	5	HEP4/6H	5	—	—
Mounting Pins	—	—	H4	50	H6	50	—	—
Marking Plates	—	—	BS24E	25	BS60E	25	BS1016E	25
	—	—	BS24EM1-12	25	BS60EM1-12	25	BS1016EM1-12	25
	—	—	BS24EM13-24	25	BS60EM13-24	25	BS1016EM13-24	25

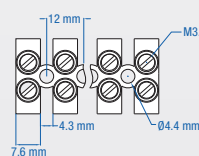
**TSF1.5 DIMENSIONS**



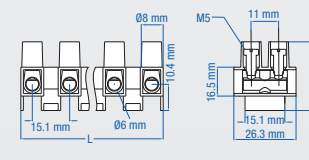
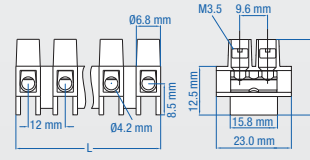
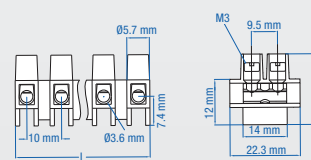
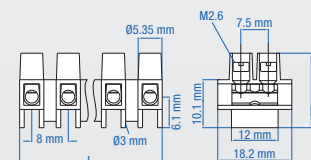
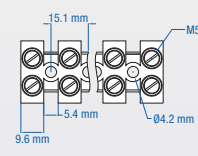
**TSF2.5 DIMENSIONS**



**TSF6 DIMENSIONS**



**TSF16 DIMENSIONS**



(All dimensions are shown in mm, to convert to inches please divide by 25.4)