

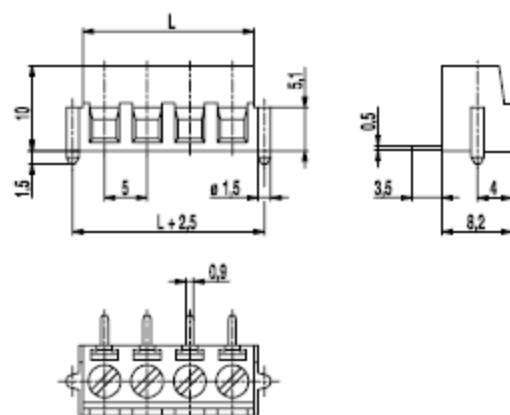
PCB connector for SMD

140-A-SMD

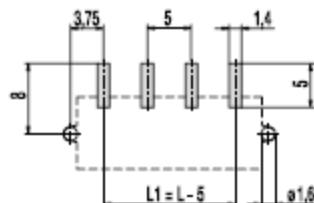
Screw connection, with anti-twist peg



SMARTCONN®

RoHS
COMPLIANT

PCB Layout



Solder paste thickness: 0,15 - 0,2 mm

The 2 to 12 pole terminals with a pitch of 5 mm have a screw connection with elevator clamping system and are equipped with M3 captive screws. The wire clamp and soldering tag are manufactured as a single unit and permanently engaged in the housing. The solder pins are exactly aligned parallel to the printed circuit board in order to create a coplanar connection after the reflow soldering process.

The moulding is made of heat resistant thermoplastic material and equipped with plastic pegs on both sides to prevent twisting.

Packed in magazines or equipped with Pick Discs in Tape-on-Reel, this genuine SMD terminal is suitable for the automatic assembly.

General Information

Pitch	5 mm
No. of poles	2 - 12

Technical Data

Clamping Range	solid / flexible / AWG		
Rated Cross Section	0,14 - 2,5 mm ² / 0,14 - 1,5 mm ² / 26 - 16 AWG		
Wire Stripping Length	1,5 mm ²		
Overvoltage Category	III	III	II
Pollution Severity Level	3	2	2
Rated Voltage	200 V	320 V	500 V
Rated Impulse Voltage	4 kV	4 kV	4 kV
Rated Insulation Voltage	250 V acc. to EN 60998-1		
Rated Current	15 A		
Soldering process	Reflow solder		
Torque	0,5 Nm		

Material

Moulding	PA HT, black, V-0			
Comparative Tracking Index	CTI ≥ 600			
Insulating Group	I			
Temperature Range	-40°C up to 150°C; reflow solder temperature (Peak) max 260°C (15-30 s)			
Terminal body	Nickel plated brass			
Pressure clamp	Tin plated tin bronze			
Screw	M3; zinc plated steel, blue passivated			
Solder pin	0,5 x 0,9 mm; tin plated tin bronze			

Approvals

	Current	Voltage	Group	AWG	Nm
	10 [1]	300	B, D	30 - 14	0,51
	15	300	B	30 - 14	0,51

Options / Accessories

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-5,00 [2]

Part Numbers: Tape-on-Reel

No. of poles	140-A-SMD	Tape Width	Tape Height	Pcs
2	10.801.602.A00	32 mm	13 mm	375

[1] 20 A max for factory-wiring applications only

[2] To be fitted after reflow soldering process

Part Numbers

No. of poles	140-A-SMD	Length	Pcs
2	10.801.602	10,00	1036
3	10.801.603	15,00	756
4	10.801.604	20,00	588
5	10.801.605	25,00	504
6	10.801.606	30,00	420
7	10.801.607	35,00	364
8	10.801.608	40,00	308
9	10.801.609	45,00	280
10	10.801.610	50,00	252
11	10.801.611	55,00	224
12	10.801.612	60,00	224