SM/SC-M Stamped contacts



Size 16 stamped and formed contacts for TRIM TRIO connectors

Description

Size 16 SM/SC .063" (1.6mm) diameter contacts are two piece strip formed crimp snap-in pin and sockets.

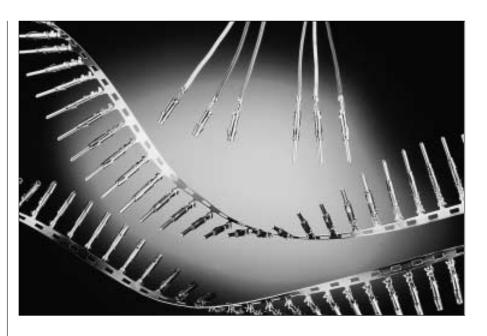
These contacts consist of a crimp body made of high conductive copper alloy, and a stainless steel retaining spring featuring retention in the housing cavity and a closed entry socket to prevent probe damage. The contact with its open barrel is standard available on srtip and packaged with 3000 pcs on reel. This reel packaging combined with semi or even full automatic crimp tooling provides the added advantage of a lower installed cost.

Features and benefits

- Made from high conductive copper alloy with gold or tin over nickel plate finish.
- Two piece construcion with dual purpose spring which serves for contact retention and protects the body against damage.
- Contacts available on reel (standard) and in bulk packing (100 pcs).
- Suitable for high volumes and lower installation cost.

Performance characteristics

Current rating:	13 Amp
Contact resistance:	\leq 6 m Ω
Contact retention in body:	65 N min.
Individual insertion force:	3.5 N max.
Individual withdrawal force:	0.55 N min.



Construction

Contact body: High conductive copper alloy.

Outer spring: Stainless steel

Plating table

S6 = 0.75m Gold min. in contact area, flash on crimp barrel over Nickel.

D70 = Gold flash all over, over Nickel.

TK6 = Preplated Tin all over.

Connector accommodation

Any TRIM TRIO contact can be used in any contact position in any connector in the TRIM TRIO interconnection system.

- MS-M / MSG Rectangular connectors
- SMS Qikmate
- G Bantamate
- UT-Bantam
- UTG Metalok bantam
- UTP Full plastic bantam
- UTGS Shielded bantam
- MBG Bantamate II

How to order

Plating indication:

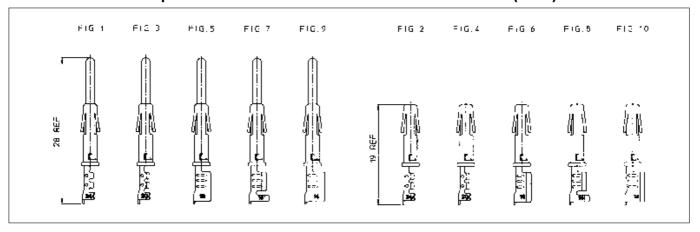
See plating table

TIOW to order						
	SM SC	16 16	M M	(L) (L)	1	S6 S6
Contact type:	SM: Male contact SC: Female contact					
AWG Size:	14, 16, 20, 24					
Type of crimp barre	l: American open crimp barrel					
Packing:	No digit: Contacts on strip (qty 3000 per reel) L: Preformed loose piece contacts					
Design variation	1: Only wire crimp for size 14 and 16: Wire + insulation crimp for sizes 211: Wire + insulation crimp for size 16	0 and 24				

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Standard SM/SC crimp contacts: Contact size 16 - Pin diameter 1.6mm (.063")



Dimensional table

Part number: contacts on strip Loose pieces			Wire size		Insulation	Wire	
Pin contacts	Fig.	Socket contacts	Fig.	AWG	mm²	diameter	strip length
SM24M1S6	1	SC24M1S6	2	26 - 24	0.13 - 0.25	0.89 - 1.58	4.0
SM24ML1S6		SC24ML1S6					
SM20M1S6	3	SC20M1S6	4	22 - 20	0.35 - 0.50	1.17 - 2.08	4.0
SM20ML1S6		SC20ML1S6					
SM16M1S6	5	SC16M1S6	6	18 - 16	0.80 - 1.50	3.0	6.35
SM16ML1S6		SC16ML1S6					
SM16M11S6	7	SC16M11S6	8	18 - 16	0.80 - 1.50	2.0 - 3.0	4.65
SM16ML11S6		SC16ML11S6					
SM14M1S6	9	SC14M1S6	10	14	2.0	3.2	6.35
SM14ML1S6		SC14ML1S6					

For other platings: See plating table.

Crimptooling table

	Hand crimp tooling for loose contacts Automatic crimp tooling for contacts on strip			. •	Extraction
Size	Hand tools die set included	M8ND Die set (not included)	P100 MAN Mini Applicator (not included)	K750 ASC (Stripper - crimper) Mini Applicator (not included)	tooling
24	Y16SCM2 (ratchet)	N24RT11	MLS0318B		
20	Y14MTV (ratchet)	N20RT29	MLS0555A	MLS20M1	
16M(L)11	Y16SCM2 (ratchet)	N16RT26	MLS0356A	MLS16M11	RX2025GE1 or
16M(L)1	Y14SCM (ratchet) Y14MTV (ratchet)	N16RT24	MLS1579	MLS16M1	RX2025GE2 or
14	Y14SCM (ratchet) Y14MTV (ratchet)	N14RT13	MLS1047	MLS14M1	RX16D11D1

For detailed information on crimp tooling : See crimp tooling section