SM/SC-M

Size 16 stamped and formed contacts for TRIM TRIO connectors

Description

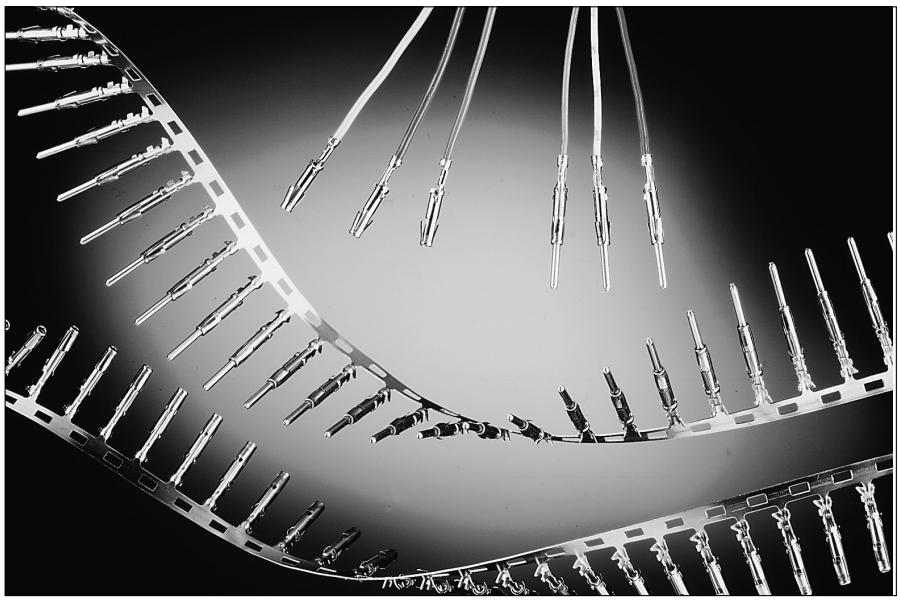
Size 16 SM/SC .063" (1.6mm) diameter contacts are two piece strip formed crimp snap-in pin and sockets.
These contacts consist of a crimp body made of high conductive copper alloy, and a stainless steel retaining spring featuring retention in the housing cavity and a closed entry socket to prevent probe 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:	≤ 6 mΩ
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 size 16 contact can be used in any contact position in any connector in the TRIM TRIO size 16 interconnection system.

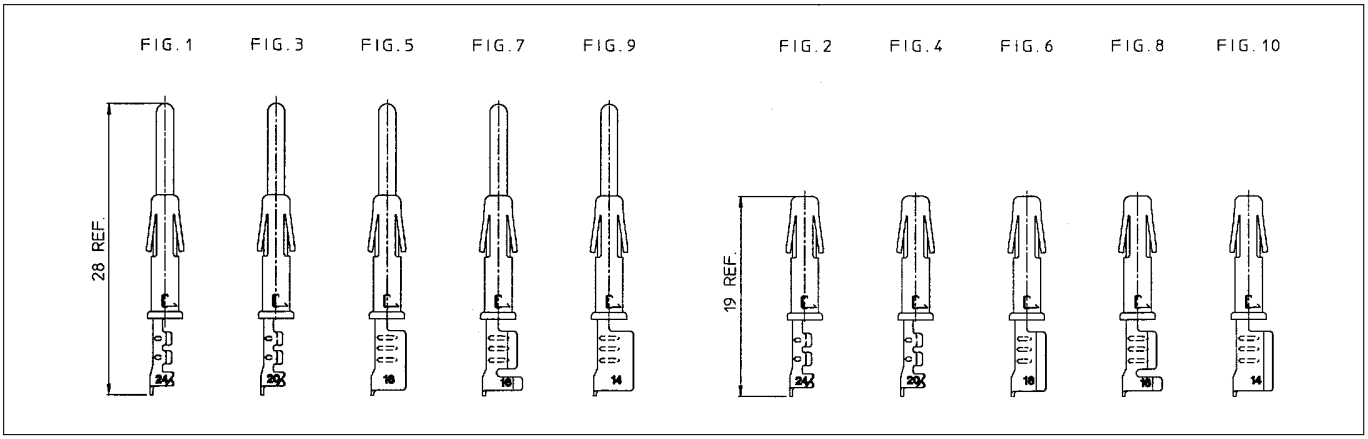
- MS-M / MSG / MB
- SMS Qikmate
- UTG
- UTP
- UT0
- MBG

Note:
Reeled contacts are for applicator with left side feeding.

How to order

		SM SC	16 16	M M	(L) (L)	1 1	S6 S6
Contact type:	**SM:** Male contact **SC:** Female contact						
AWG Size:	14, 16, 20, 24						
Type of crimp barrel:	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 20 and 24 **11 :** Wire + insulation crimp for size 16						
Plating indication:	See plating table						

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

For other platings: See plating table.

Crimptooling table

Size	Hand crimp tooling for loose contacts		Automatic crimp tooling for contacts on strip		Extraction tooling
	Hand tools die set included	M8ND Die set (not included)	P100 MAN Mini Applicator (not included)	(Stripper - crimper)	
24	Y16SCM2 (ratchet)	N24RT11	MLS0318B	SC10S1	RX2025GE1 or RX2025GE2 or RX16D11D1
20	Y14SCM2 (not ratchet) Y14MTV (ratchet)	N20RT29	MLS0555A		
16M(L)11	Y16SCM2 (ratchet) Y14SCM2 (not ratchet)	N16RT26	MLS0356A		
16M(L)1	Y14SCM (ratchet) Y14MTV (ratchet)	N16RT24	MLS1579		
14	Y14SCM (ratchet) Y14MTV (ratchet)	N14RT13	MLS1047		

For detailed information on crimp tooling : See crimp tooling section