

## 阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

## Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .

# 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.

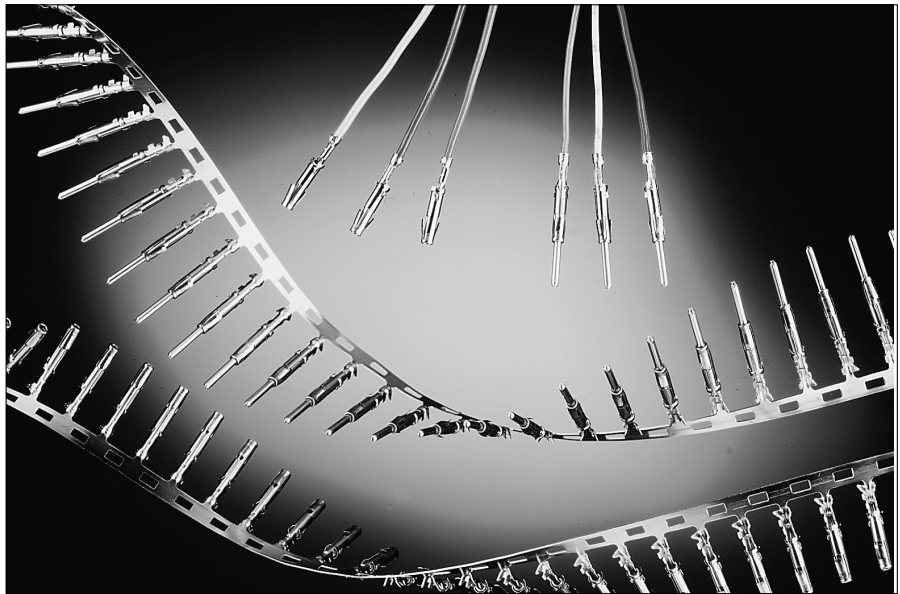
The contact with its open barrel is standard available on strip and packaged with 3000 pcs on reel. This reel packaging combined with semi or even full automatic crimp tooling provides the added advantage of a lower installed cost.

### Features and benefits

- Made from high conductive copper alloy with gold or tin over nickel plate finish.
- Two piece construction 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
- UTO
- MBG

Note:

Reeled contacts are for applicator with left side feeding.

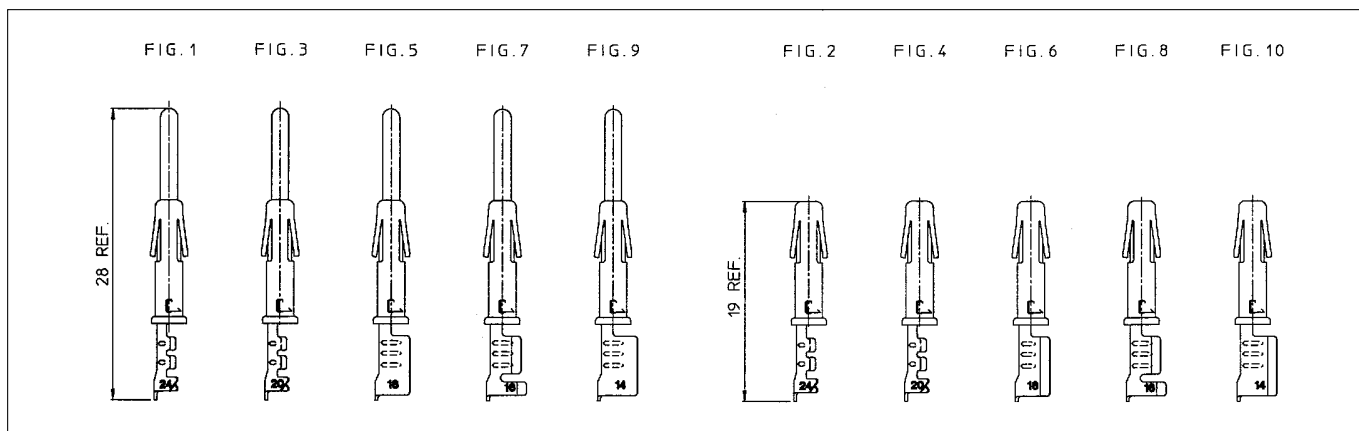
## How to order

	SM SC	16 16	M M	(L) (L)	1 1	S6 S6
<b>Contact type:</b>	<b>SM:</b> Male contact <b>SC:</b> Female contact					
<b>AWG Size:</b>	14, 16, 20, 24					
<b>Type of crimp barrel:</b>	American open crimp barrel					
<b>Packing:</b>	<b>No digit:</b> Contacts on strip (qty 3000 per reel) <b>L:</b> Preformed loose piece contacts					
<b>Design variation</b>	<b>1</b> : Only wire crimp for size 14 and 16 : Wire + insulation crimp for sizes 20 and 24 <b>11</b> : Wire + insulation crimp for size 16					
<b>Plating indication:</b>	See plating table					

# SM/SC-M



## 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	mm <sup>2</sup>		
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