Size 16 solid machined contacts for TRIM TRIO connectors

Description
Size 16 RM/RC .0625" (1.6mm) diameter contacts are precision solid machined crimp snap-in pin and sockets for heavy duty top performance requirements.
Springs on both contacts are made of spring-tempered, heat-treated, beryllium copper.
The socket inner spring supplies high contact pressure to ensure low-resistance contact between pin and socket. The socket contact features closed entry to prevent probe damage. Crimp barrels have insulation grips for vibration support and are provided with a cable stop and inspection hole.

Features and benefits
- Made from high conductive copper alloy with gold or tin over nickel plate finish.
- Heat-treated beryllium copper locking springs assure proper locking and alignment of contacts in the housing.
- Colour coded for different wire sizes.
- Closed entry design on socket contact to prevent probe damage.
- Contacts available in bulk packing

Performance characteristics
Current rating: 13 Amp
Contact resistance: ≤ 3 mΩ
Operating voltage: 750 V RMS
Contact retention in body: 110 N min.
Individual insertion force: 3.5 N max.
Individual withdrawal force: 0.55 N min.

Contact type:
RM: Male contact bulk packing
RC: Female contact bulk packing
KRM: Male contact on plastic carrier strip
KRC: Female contact on plastic carrier strip

AWG Size: 16, 20, 24, 28
Size 16: .0625" (1.6mm) Diameter contacts
Design variation: Crimp barrel
Grounding contact: See plating table
Plating indication: See plating table
Packing quantity:
No digit (std): 50 pcs. bulk packing (RM/RC)
2000 pcs on reel (KRM/KRC)
1000: 1000 pcs bulk packing (RM/RC)

Construction
Contact body: High conductive copper alloy.
Outer spring: Tempered, heat-treated, non-plated beryllium copper.
Inner spring socket: Tempered, heat-treated, plated beryllium copper.

Plating table
K (std) = Min. 0.4 µ Gold all over, over Nickel
J = Gold flash all over, over Nickel
N = Min. 0.75 µ Gold all over, over Nickel
T = 3 - 5 µ Tin all over, over Nickel
Other platings on request

Connector accommodation
Any TRIM TRIO contact can be used in any contact position in any connector in the TRIM TRIO interconnection system.
- MS-M Rectangular connectors
- SMS Qikmate
- PI43 Eurorack connectors
- UT-Bantam
- UTG Metalok bantam
- UTP Full plastic bantam
- UTGS Shielded bantam
- MBG Bantamate II

How to order

<table>
<thead>
<tr>
<th>Contact type</th>
<th>(K) RM</th>
<th>(K) RC</th>
<th>16</th>
<th>M</th>
<th>23</th>
<th>(GE1)</th>
<th>K</th>
<th>–</th>
<th>–</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM: Male contact bulk packing</td>
<td></td>
<td></td>
<td>16</td>
<td>M</td>
<td>23</td>
<td>(GE1)</td>
<td>K</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>RC: Female contact bulk packing</td>
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<td></td>
<td></td>
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<tr>
<td>KRM: Male contact on plastic carrier strip</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>KRC: Female contact on plastic carrier strip</td>
<td></td>
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</tr>
</tbody>
</table>

AWS Size: 16, 20, 24, 28
Size 16: .0625" (1.6mm) Diameter contacts
Design variation: Crimp barrel
Grounding contact: See plating table
Plating indication: See plating table
Packing quantity:
No digit (std): 50 pcs. bulk packing (RM/RC)
2000 pcs on reel (KRM/KRC)
1000: 1000 pcs bulk packing (RM/RC)
**RM/RC - Machined contacts**

**Standard RM/RC crimp contacts: Contact size 16 - Pin diameter 1.57mm (.062")**

**Dimensional table**

<table>
<thead>
<tr>
<th>Pin contacts</th>
<th>Part number</th>
<th>Colour code</th>
<th>AWG</th>
<th>wire size mm²</th>
<th>Max. wire dia.</th>
<th>Max. insul. strip length</th>
<th>wire strip I.D.</th>
<th>O.D</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM28M1K</td>
<td>1 RC28M1K</td>
<td>–</td>
<td>30 - 28</td>
<td>0.05 - 0.08</td>
<td>0.55</td>
<td>1.1</td>
<td>4.8</td>
<td>1.50</td>
</tr>
<tr>
<td>RM24M9K</td>
<td>2 RC24M9K</td>
<td>Red</td>
<td>26 - 24</td>
<td>0.13 - 0.20</td>
<td>0.8</td>
<td>1.7</td>
<td>7.1</td>
<td>1.50</td>
</tr>
<tr>
<td>RM20M13K</td>
<td>3 RC20M13K</td>
<td>Black</td>
<td>22 - 20</td>
<td>0.32 - 0.52</td>
<td>1.18</td>
<td>1.9</td>
<td>1.83</td>
<td>2.92</td>
</tr>
<tr>
<td>RM20M12K</td>
<td>4 RC20M12K</td>
<td>Blue</td>
<td>22 - 20</td>
<td>0.32 - 0.52</td>
<td>1.18</td>
<td>2.2</td>
<td>1.83</td>
<td>2.92</td>
</tr>
<tr>
<td>RM16M23K</td>
<td>5 RC16M23K</td>
<td>Green</td>
<td>20 - 16</td>
<td>0.52 - 1.50</td>
<td>1.82</td>
<td>3.2</td>
<td>7.1</td>
<td>2.55</td>
</tr>
<tr>
<td>RM16M23GE1K</td>
<td>6 RC16M23GE1K</td>
<td>Green + red</td>
<td>20 - 16</td>
<td>0.52 - 1.50</td>
<td>1.82</td>
<td>3.2</td>
<td>2.55</td>
<td>–</td>
</tr>
</tbody>
</table>

Packing quantity: 50 pcs bulk packing (standard)
For 1000 pcs bulk packing add “1000” at the end of the part number e.g. RM16M23K1000
For machined contact reeled on plastic carrier: put “K” in front of part number e.g. KRM16M23K
For other platings: See plating table

**Crimptoning table**

<table>
<thead>
<tr>
<th>Size</th>
<th>Hand tools die set included</th>
<th>Hand crimp tooling for loose contacts</th>
<th>Automatic crimp tooling for contacts on strip</th>
<th>Extraction tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>MR8GE5 and Y16RCM</td>
<td>MH86164G 4/6 S9 SL40 N24RT10 MLS228</td>
<td>Left side applicator KRM/KRC (not incl.)</td>
<td>RX2025GE1 or RX2025GE2</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>MH86164G 5/6 S10 SL39 N20RT30 MLS224</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>MH86164G 6/8 S3D1 SL115 N16RT21 MLS216</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>MH86164G 7/8 S10 SL39 N20RT30 MLS224</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For detailed information on crimp tooling: See crimp tooling section
Special RM / RC contacts: Contact size 16 - Pin diameter 1.57mm (.062”)

The RM/RC contact principle

The RM/RC contact packing