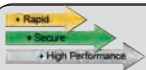


# Contacts



## Description

**TRIM TRIO® contacts are a wide and versatile range that are offering many options for crimp, coax and fiber optic applications.**

### 1. Size 16 contacts (1.6mm)

- RM/RC - High performance machined contacts
- SM-M/SC-M - Stamped & formed contacts
- RMDX/RCDX - Coax contacts
- Fiber optic contacts

### 2. Size 20 contacts (1.0mm)

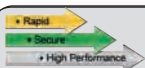
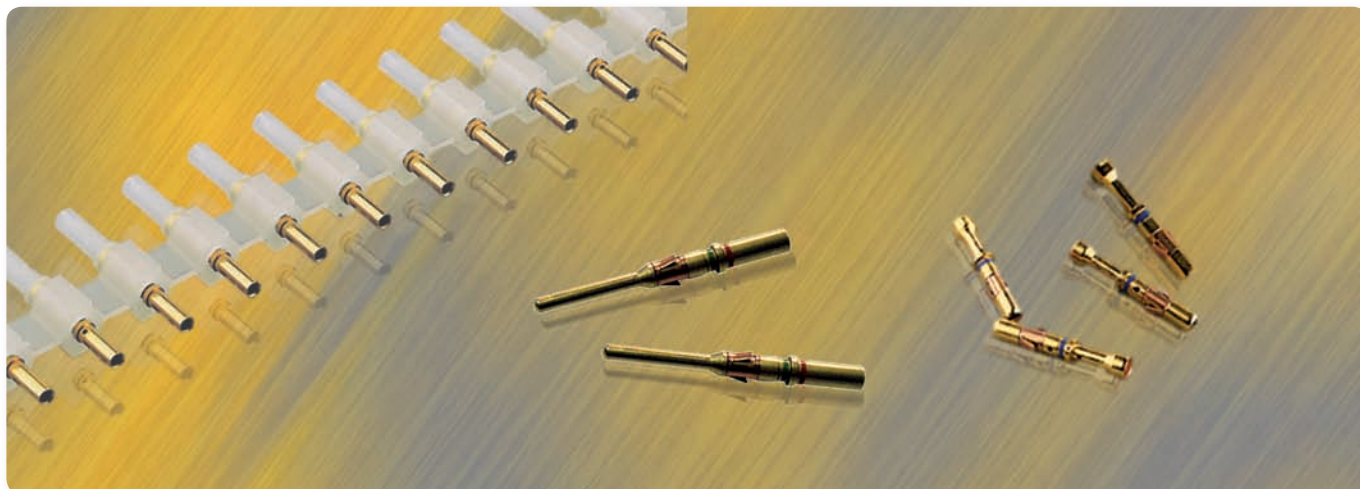
- RM-W/RC-W - High performance machined contacts
- SM-W/SC-W - Stamped & formed contacts

### 3. Power contacts

- Size 12 contacts (2.4mm)
- Size 8 contacts (3.6mm)

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# RC/RM machined contacts size 16



## Description

### Size 16 machined contacts for TRIM TRIO® connectors

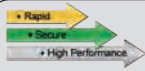
Size 16 RM/RC .0625" (1.6mm) diameter contacts are precision machined crimp snap-in pins and sockets for heavy duty top performance requirements. The socket inner spring supplies high contact pressure to ensure low resistance contact between pin and socket. The socket contact features closed entry to prevent probe damage. Crimp barrels have insulation grips for vibration support and are provided with a wire stop and inspection hole.

Typical benefits are :

- Easy mounting & dismounting
- Excellent cable retention as well as contact retention in the cavity
- Easy wire identification with color coding

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# RC/RM machined contacts size 16



## Technical characteristics

### Electrical

- Current per contact max.: 13 A according to SAE 39029  
15 A according to NFF61030
- Contact resistance:  $\leq 3 \text{ m}\Omega$
- Contact retention in body: 110 N min.
- Individual insertion force: 3.5 N max.
- Individual withdrawal force: 0.55 N min

### Construction

- Contact body: High conductive copper alloy

### Plating table

- K (std) Min. 0.4 $\mu\text{m}$  gold all over, over nickel
- J Gold flash all over, over nickel
- N Min. 0.75 $\mu\text{m}$  gold all over, over nickel

Other plating, on request

### Connector accommodation

- TRIM TRIO® RC/RM machined contact size 16 can be used in any contact position in any connector from the TRIM TRIO® interconnection system - UTP, UTS, UTG, UTO, MBG, MS-M, MSG / MB, SMS, UTV - as well as in VGE1 and 838 connectors

## Ordering information

### 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

|       |    |   |    |       |   |   |
|-------|----|---|----|-------|---|---|
| (KRM) | 16 | M | 23 | (GE1) | K | - |
| (KRC) | 16 | M | 23 | (GE7) | K | - |

Wire size : 14, 16, 20, 24, 28

Contact size 16 : .0625" (1.6mm) diameter contacts

Design variation : Crimp barrel

### Types of contact

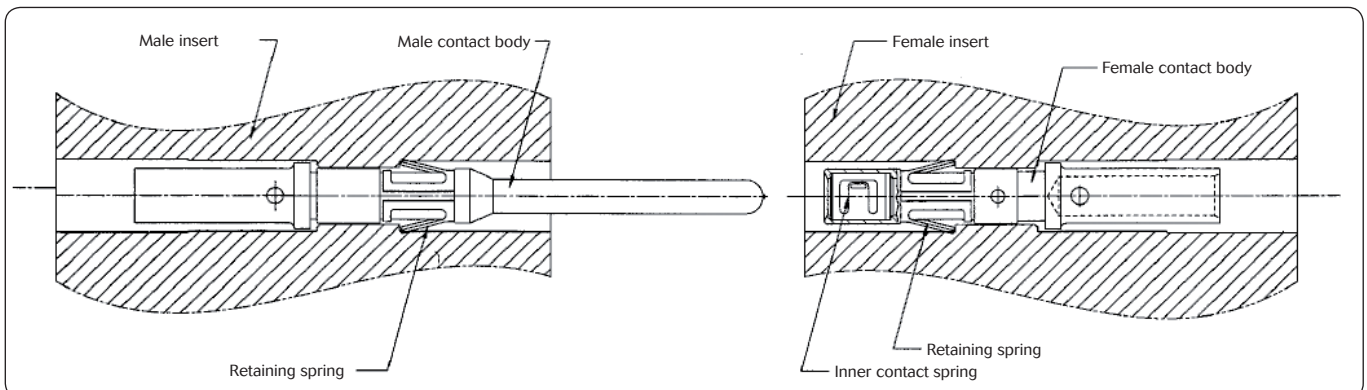
- No digit Standard contact
- GE1 Longer contact
- GE3 Shorter contact (only male contact)
- GE7 Shorter contact (only female contact)

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)

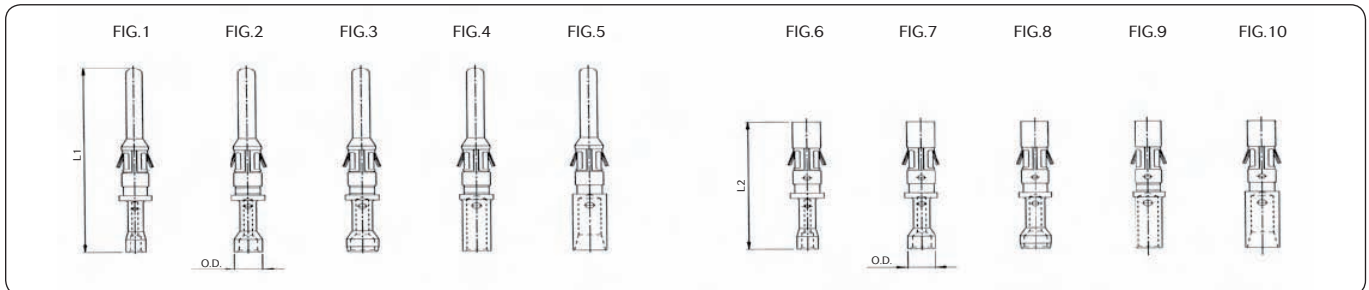
## The RM/RC contact principle



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# RC/RM machined contacts size 16

## Standard RM/RC crimp contacts: Contact size 16 - Pin Ø1.6mm (.063")



## Dimensional table - Standard RM/RC contacts

| Part numbers |      |                |      | Wire size |           | Max. wire Ø | Max. insul. Ø | Wire strip length | O.D.** | L1   | L2   |
|--------------|------|----------------|------|-----------|-----------|-------------|---------------|-------------------|--------|------|------|
| Male contact | Fig. | Female contact | Fig. | AWG       | mm²       |             |               |                   |        |      |      |
| RM28M1(*)    | 1    | RC28M1(*)      | 6    | 30-28     | 0.05-0.08 | 0.55        | 1.1           | 4.8               | 1.90   | 26.2 | 18.2 |
| RM24M9(*)    | 2    | RC24M9(*)      | 7    | 26-24     | 0.13-0.20 | 0.8         | 1.6           |                   | 2.55   |      |      |
| RM20M13(*)   | 3    | RC20M13(*)     | 8    | 22-20     | 0.32-0.52 | 1.18        | 1.8           |                   | 2.92   |      |      |
| RM20M12(*)   |      | RC20M12(*)     |      |           |           |             | 2.2           |                   | 2.92   |      |      |
| RM16M23(*)   | 4    | RC16M23(*)     | 9    | 20-16     | 0.52-1.50 | 1.80        | 3.2           | 7.1               | 2.55   | 26.2 | 18.2 |
| RM14M50(*)   | 5    | RC14M50(*)     | 10   | 16-14     | 1.5-2.5   | 2.05        |               |                   | 3.10   |      |      |
| RM14M30(*)   | 5    | RC14M30(*)     | 10   | 16-14     | 1.5-2.5   | 2.28        |               |                   | 3.10   |      |      |

\* Plating indication : See plating table

For machined contacts reeled on plastic carrier: put «K» in front of part number e.g. KRM16M13K

## Dimensional table - Crimp RM/RC contacts

### Comparison with standard RM / RC contacts

|                             | GE1      | GE3   | GE7     |
|-----------------------------|----------|-------|---------|
| RM contact (male contact)   | + 1 mm   | -1 mm | -       |
| RC contact (female contact) | + 1.5 mm | -     | -0.6 mm |

### Contact selector guide

|                     | Standard RC contact    | RM*GE1 | RC*GE7                 |
|---------------------|------------------------|--------|------------------------|
| Standard RC contact |                        |        |                        |
| Standard RM contact |                        |        | Last Mate, First Break |
| RM*GE1              | First Mate, Last Break |        |                        |



First Mate, Last Break contact can be used as grounding contact.

Note : all dimensions are in mm / \*\* Outer diameter

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# RC/RM machined contacts size 16



## Longer RM/RC contacts

| Part numbers  |      |                |      | Wire size |           | Max.<br>wire Ø | Max.<br>insul. Ø | Wire<br>strip<br>length | O.D.** | L1   | L2   |
|---------------|------|----------------|------|-----------|-----------|----------------|------------------|-------------------------|--------|------|------|
| Male contact  | Fig. | Female contact | Fig. | AWG       | mm²       |                |                  |                         |        |      |      |
| RM28M1GE1(*)  | 1    | RC28M1GE1(*)   | 6    | 30-28     | 0.05-0.08 | 0.55           | 1.1              | 4.8                     | 1.90   | 27.2 | 19.7 |
| RM24M9GE1(*)  | 2    | RC24M9GE1(*)   | 7    | 26-24     | 0.13-0.20 | 0.8            | 1.6              |                         | 2.55   |      |      |
| RM20M13GE1(*) | 3    | RC20M13GE1(*)  | 8    | 22-20     | 0.32-0.52 | 1.18           | 1.8              |                         | 2.92   |      |      |
| RM20M12GE1(*) |      | RC20M12GE1(*)  |      |           |           |                | 2.2              |                         |        |      |      |
| RM16M23GE1(*) | 4    | RC16M23GE1(*)  | 9    | 20-16     | 0.52-1.50 | 1.80           | 3.2              | 7.1                     | 2.55   |      |      |
| RM14M50GE1(*) | 5    | RC14M50GE1(*)  | 10   | 16-14     | 1.5-2.5   | 2.05           |                  |                         | 3.10   |      |      |
| RM14M30GE1(*) | 5    | RC14M30GE1(*)  | 10   |           |           | 2.28           |                  |                         |        |      |      |

\* Plating indication : See plating table

## Shorter RM/RC contacts

| Part numbers |      | Wire size |           | Max. wire Ø | Max. insul. Ø | Wire strip length | O.D.** | L1   |
|--------------|------|-----------|-----------|-------------|---------------|-------------------|--------|------|
| Male contact | Fig. | AWG       | mm²       |             |               |                   |        |      |
| RM28M1GE3*   | 1    | 30-28     | 0.05-0.08 | 0.55        | 1.1           | 4.8               | 1.90   | 25.2 |
| RM24M9GE3*   | 2    | 26-24     | 0.13-0.20 | 0.8         | 1.6           |                   | 2.55   |      |
| RM20M13GE3*  | 3    | 22-20     | 0.32-0.52 | 1.18        | 1.8           |                   | 2.92   |      |
| RM20M12GE3*  |      |           |           |             | 2.2           |                   |        |      |
| RM16M23GE3*  | 4    | 20-16     | 0.52-1.50 | 1.80        | 3.2           | 7.1               | 2.55   |      |
| RM14M50GE3*  | 5    | 16-14     | 1.5-2.5   | 2.05        |               |                   | 3.10   |      |
| RM14M30GE3*  | 5    |           |           | 2.28        |               |                   |        |      |

\* Plating indication : See plating table

| Part numbers   |      | Wire size |           | Max. wire Ø | Max. insul. Ø | Wire strip length | O.D.** | L2   |
|----------------|------|-----------|-----------|-------------|---------------|-------------------|--------|------|
| Female contact | Fig. | AWG       | mm²       |             |               |                   |        |      |
| RC28M1GE7*     | 6    | 30-28     | 0.05-0.08 | 0.55        | 1.1           | 4.8               | 1.90   | 17.6 |
| RC24M9GE7*     | 7    | 26-24     | 0.13-0.20 | 0.8         | 1.6           |                   | 2.55   |      |
| RC20M13GE7*    | 8    | 22-20     | 0.32-0.52 | 1.18        | 1.8           |                   | 2.92   |      |
| RC20M12GE7*    |      |           |           |             | 2.2           |                   |        |      |
| RC16M23GE7*    | 9    | 20-16     | 0.52-1.50 | 1.80        | 3.2           | 7.1               | 2.55   |      |
| RC14M50GE7*    | 10   | 16-14     | 1.5-2.5   | 2.05        |               |                   | 3.10   |      |
| RC14M30GE7*    | 10   |           |           | 2.28        |               |                   |        |      |

\* Plating indication : See plating table

## Dimensional table - Handsolder RM/RC contacts

| Part numbers |                | Wire size |                 |
|--------------|----------------|-----------|-----------------|
| Male contact | Female contact | AWG       | mm <sup>2</sup> |
| RM16SEO(*)   | RC16SE4(*)     | 16-20     | 1.50-0.52       |

\* Plating indication : See plating table

Note : all dimensions are in mm / \*\* Outer diameter

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# RC/RM machined contacts size 16



## Crimptooling table

| Size       | Hand crimp tooling for loose contacts |                                    |                 | Automatic crimp tooling for contacts on strip                |                              | Extraction tools |
|------------|---------------------------------------|------------------------------------|-----------------|--------------------------------------------------------------|------------------------------|------------------|
|            | Hand tools<br>die set<br>included     | MH860<br>Positioner<br>(not incl.) | Locator setting | P107 Press<br>Left side applicator<br>KRM/KRC<br>(not incl.) | Stripper unit<br>(not incl.) |                  |
| R*28M1     | Y16RCM                                | MH86164G                           | 4/6             | -                                                            | SC11                         | RX2025GE1        |
| R*24M9     |                                       |                                    | 5/6             | MLSP2763                                                     |                              |                  |
| R*20M12/13 |                                       |                                    | 5/7             | MLSP2764                                                     |                              |                  |
| R*16M23    |                                       |                                    | 6/8             | MLSP2765                                                     |                              |                  |
| R*14M50    | AF8 + TP1142                          | -                                  | -               | -                                                            | -                            |                  |
| R*14M30    |                                       |                                    | -               | -                                                            | -                            |                  |
| R*28M1GE1  | Y16RCM                                | MH861686                           | 4/6             | -                                                            | -                            |                  |
| R*24M1GE1  |                                       |                                    | 5/6             | -                                                            | -                            |                  |
| R*20*GE1   |                                       |                                    | 5/7             | -                                                            | -                            |                  |
| R*16M23GE1 |                                       |                                    | 6/8             | -                                                            | -                            |                  |
| R*14*GE1   | *                                     | -                                  | -               | -                                                            | -                            |                  |
| RM28M1GE3  | Y16RCM                                | *                                  | 4/6             | -                                                            | SC11                         |                  |
| RM24M1GE3  |                                       |                                    | 5/6             | MLSP2763                                                     |                              |                  |
| RM20*GE3   |                                       |                                    | 5/7             | MLSP2764                                                     |                              |                  |
| RM16M23GE3 |                                       |                                    | 6/8             | MLSP2765                                                     |                              |                  |
| RM14*GE3   | *                                     | -                                  | -               | -                                                            | -                            |                  |
| RC28M1GE7  | Y16RCM                                | *                                  | 4/6             | -                                                            | SC11                         |                  |
| RC24M1GE7  |                                       |                                    | 5/6             | MLSP2763                                                     |                              |                  |
| RC20*GE7   |                                       |                                    | 5/7             | MLSP2764                                                     |                              |                  |
| RC16M23GE7 |                                       |                                    | 6/8             | MLSP2765                                                     |                              |                  |
| RC14*GE7   | *                                     | -                                  | -               | -                                                            |                              |                  |

\* Consult factory

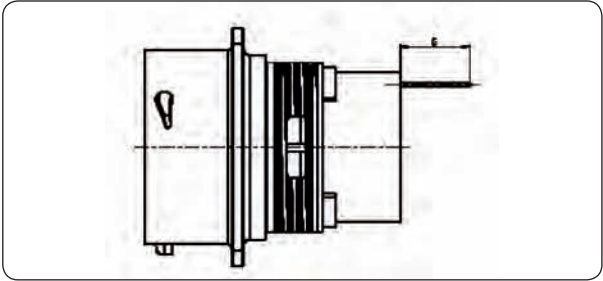
Note : all dimensions are in mm

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# RC/RM machined contacts size 16

**Nominal length (dim G) of dipsolder contacts out of connector**  
(contacts to be ordered separately)



## UTS0 wall mounting receptacles

| Connector sizes | Male contacts |             | Female contacts |             |             |
|-----------------|---------------|-------------|-----------------|-------------|-------------|
|                 | RM20M12E8*    | RM20M12E83* | RC20M12E8*      | RC20M12E83* | RC20M12E84* |
| All sizes       | 5.2           | 10.3        | 5.2             | 10.4        | 13.9        |

\* Plating indication : See plating table

## UTS7 jam nut receptacles

| Connector sizes | Male contacts |             | Female contacts |             |             |
|-----------------|---------------|-------------|-----------------|-------------|-------------|
|                 | RM20M12E8*    | RM20M12E83* | RC20M12E84*     | RC20M12E85* | RC20M12E86* |
| 10              | 4.1           | 9.2         | 4.65            | 7.15        | 7.95        |
| 12              | 4.1           | 9.2         | 4.65            | 7.15        | 7.95        |
| 14              | 4.1           | 9.2         | 5.35            | 7.85        | 8.65        |
| 16              | 4.1           | 9.2         | 4.65            | 7.15        | 7.95        |
| 18              | 4.1           | 9.2         | 4.65            | 7.15        | 7.95        |
| 20              |               | 4.85        |                 | 3.4         | 4.2         |
| 22              |               | 4.85        |                 | 2.7         | 3.5         |
| 24              |               | 3.35        |                 | 1.3         | 2.1         |

For recommended PC-Board hole layout, please consult factory

\* Plating indication : See plating table

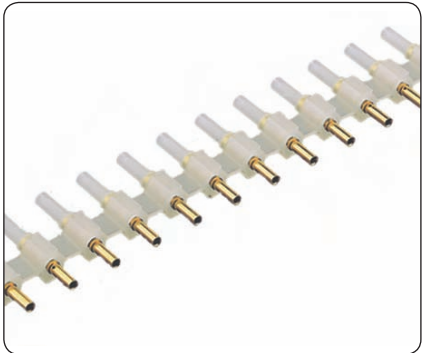
## The RM/RC contact packing



50 pcs bulk packing (standard)



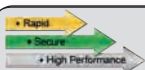
1000 pcs bulk packing



Reeled contacts on plastic carrier (qty 2000 pcs)

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# SC/SM Stamped & formed contacts size 16



## Description

### Size 16 stamped and formed contacts for TRIM TRIO® connectors

Size 16 SM/SC .0625" (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.

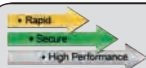
The contact with open barrel is standard available on strip and packaged with 3000 pcs on reel. This reel packaging combined with semi or even full automatic crimp tooling provides the added advantage of a lower installed cost.

Typical features and benefits are :

- 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 automatic crimping thus lower installation cost.

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# SC/SM Stamped & formed contacts size 16



## Technical characteristics

### Electrical

- Current per contact max.: 13A
- Contact resistance:  $\leq 6 \text{ m}\Omega$
- 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

### Plating table

- S6 0.75  $\mu\text{m}$  gold min. in contact area, flash on crimp barrel over nickel
- D70 (std) Gold flash all over, over nickel (standard)
- 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 : UTP, UTS, UTG, UTO, MBG, MS-M, MSG / MB, UTV

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

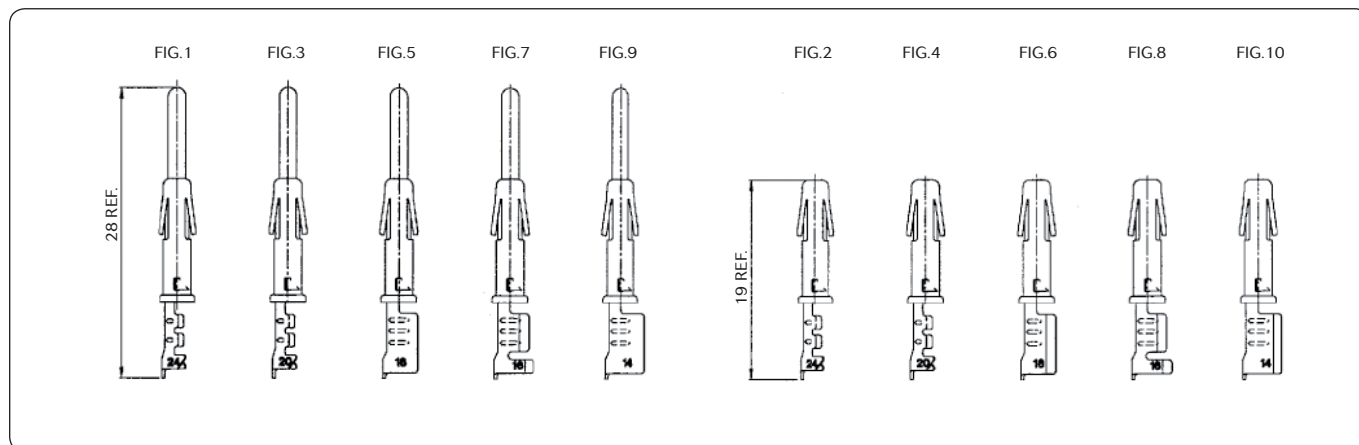
## Ordering information

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

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# SC/SM Stamped & formed contacts size 16

## Standard SM/SC crimp contacts: Contact size 16 - Pin Ø1.6mm (.063")



## Dimensional table

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

For other platings : See plating table

## Crimptooling table

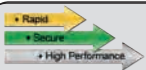
| Size     | Hand crimp tooling for loose contacts<br>Y14MTV / Y16SCM2<br>die set included | Automatic crimp tooling for contacts on strip |                      | Extraction tools |
|----------|-------------------------------------------------------------------------------|-----------------------------------------------|----------------------|------------------|
|          |                                                                               | P107 Press<br>Mini applicator<br>(not incl.)  | (Stripper - crimper) |                  |
| 24       | Y14MTV<br>or<br>Y16SCM2                                                       | MLS0318B                                      | SC11                 | RX2025GE1        |
| 20       |                                                                               | MLS0555A                                      |                      |                  |
| 16M(L)11 |                                                                               | MLS0356A                                      |                      |                  |
| 16M(L)1  |                                                                               | MLS1579                                       |                      |                  |
| 14       |                                                                               | MLS1047                                       |                      |                  |

For detailed information on crimp tooling: See crimp tooling section

Note : all dimensions are in mm

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# Multipiece coaxial contacts size 16



## Description

### Size 16 Multipiece COAXIAL contacts for TRIM TRIO® connectors

Size 16 RMDX/RCDX Multipiece .0625" (1.6mm) diameter contacts are subminiature coaxial contacts to cover a wide range of subminiature coaxial and twisted pair cables.

They are suitable in applications where a mix of signal, power and coaxial cable terminations for low frequency, shielded signal and high frequency applications are needed.

The contact consists of an inner pin/socket and an outer male/female body.

The thermoplastic insulating bushing in the outer body is designed to accept and permanently retain the inner contact.

The outer ferrule hold the outer braid to the outer contact and act as an insulating support to ensure against bending and vibrating stresses.

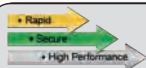
The inner and the outer conductors are crimped individually, thereby enabling inspection of both critical crimp points.

Typical features and benefits are :

- The inner and outer conductors are crimped individually.
- The thermoplastic insulating bushing in the outer body is designed to accept and permanently retain the inner contact.
- Outer ferrule hold the outer braid to the outer contact and act as an insulating support to ensure against bending and vibration.

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# Multipiece coaxial contacts size 16



## Technical characteristics

### Electrical

- Operating voltage between inner / outer contact: 230 VDC
- Test potential between inner / outer contact: 750 VAC 1 min.
- Contact retention in body: 65 N min.
- Contact voltage drop at 1A: 25m V max.
- Isolation at 30 MHz: 140 db.

### Construction

- Inner and outer contacts: High conductive copper alloy
- Insulating bushing: Thermoplastic

### Environmental

- Operating temperature: -55°C to +125°C

### Plating table

- Retaining spring: Nickel spring
- Inner and outer contacts: D28: 0.75µm gold min. over nickel

### 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 : UTP, UTS, UTG, UTO, MS-M, MSG / MB, SMS

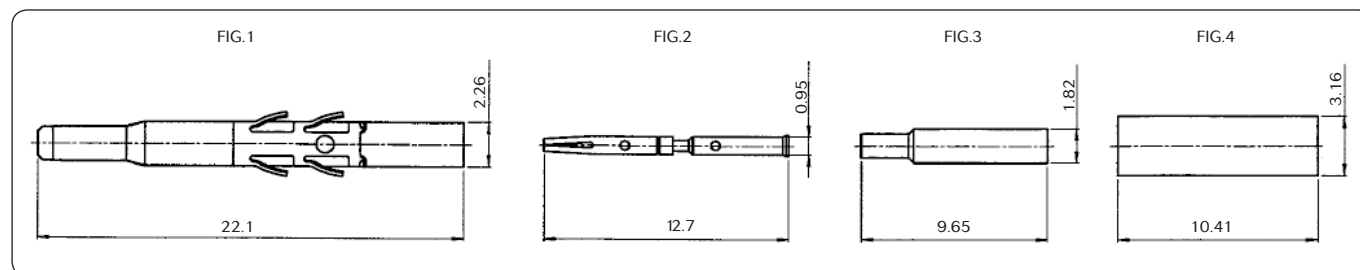
## Ordering information

| Type                       |                          | RMDX<br>RCDX | K10<br>K1 | D28<br>D28 |
|----------------------------|--------------------------|--------------|-----------|------------|
| <b>Contact type</b>        |                          |              |           |            |
| RMDX                       | Male subminiature coax   |              |           |            |
| RCDX                       | Female subminiature coax |              |           |            |
| <b>Multipiece coax kit</b> |                          |              |           |            |
| K10                        | Kit male coax            |              |           |            |
| K1                         | Kit female coax          |              |           |            |
| <b>Plating indication</b>  |                          |              |           |            |

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# Multipiece coaxial contacts size 16

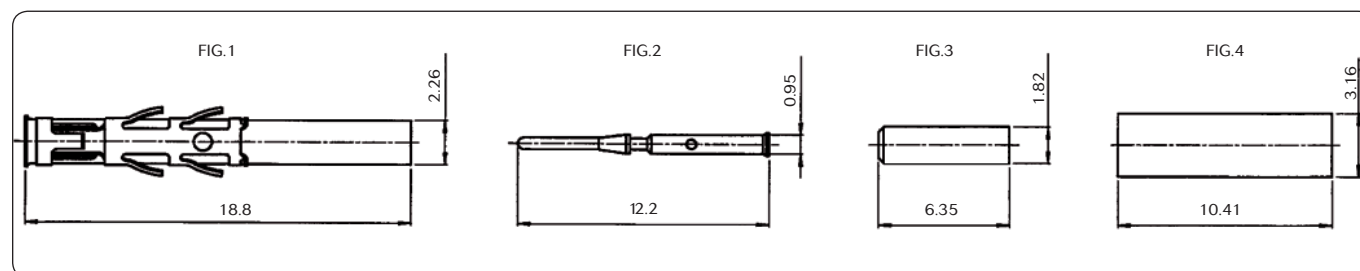
## MULTIPIECE Subminiature coax - Male contact for coaxial cable



| Type of coaxial cable                                                                | Contact for inner conductor |      |                    |              | Contact for outer braid |      |             |      |                  |              | Extraction tool |
|--------------------------------------------------------------------------------------|-----------------------------|------|--------------------|--------------|-------------------------|------|-------------|------|------------------|--------------|-----------------|
|                                                                                      | Inner female contact        |      | Crimp tool M10S1   |              | Outer male contact      |      | Hyring      |      | Crimp tool M10S1 |              |                 |
|                                                                                      | Part number                 | Fig. | Die set            | Stop bushing | Part number             | Fig. | Part number | Fig. | Die set          | Stop bushing |                 |
| RG161U<br>RG179A/U<br>RG179B/U<br>RG187U<br>RG188/U<br>RG174/U<br>RG178A/U<br>RG196U | RFD26L1D28                  | 2    | S23D2              | SL46D2       | RMDX602D28              | 1    | YOC074      | 4    | S22-1            | SL47-1       | RX2025GE1       |
| S26D2                                                                                |                             |      |                    |              |                         |      |             |      |                  |              |                 |
| S23D2                                                                                |                             |      | YOC074 + RMDXB0553 |              |                         |      | 4<br>3      |      |                  |              |                 |

Kit reference RMDXK10D28 includes RMDX602D28 + RFD26L1D28 + YOC074 + RMDXB0553 and are packed in plastic bag.

## MULTIPIECE Subminiature coax - Female contact for coaxial cable



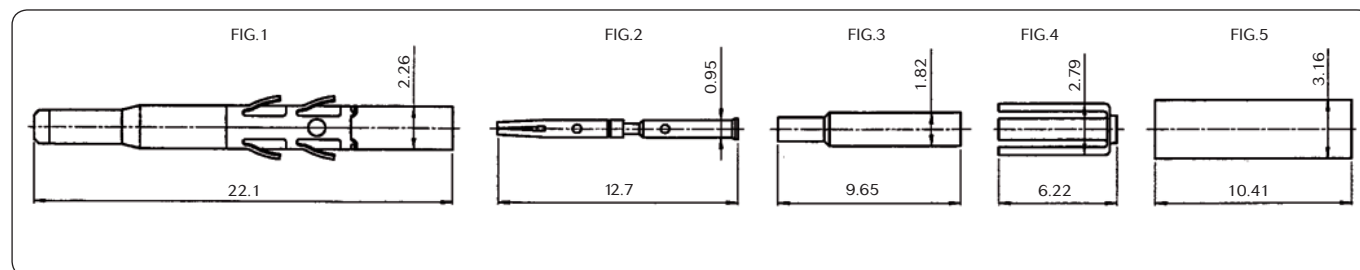
| Type of coaxial cable                                                                           | Contact for inner conductor |      |                  |              | Contact for outer braid |      |             |      |                  |              | Extraction tool |
|-------------------------------------------------------------------------------------------------|-----------------------------|------|------------------|--------------|-------------------------|------|-------------|------|------------------|--------------|-----------------|
|                                                                                                 | Inner male contact          |      | Crimp tool M10S1 |              | Outer female contact    |      | Hyring      |      | Crimp tool M10S1 |              |                 |
|                                                                                                 | Part number                 | Fig. | Die set          | Stop bushing | Part number             | Fig. | Part number | Fig. | Die set          | Stop bushing |                 |
| RG161U<br>RG179A/U<br>RG179B/U<br>RG187U<br>RG174/U<br>RG188/U<br>RG174/U<br>RG178A/U<br>RG196U | RMD26L1D28                  | 2    | S23D2            | SL46D2       | RCDX602D28              | 1    |             |      | S22-1            | SL47-1       | RX2025GE1       |
|                                                                                                 |                             |      |                  |              |                         |      |             |      |                  |              |                 |
|                                                                                                 |                             |      |                  |              |                         |      |             |      |                  |              |                 |
|                                                                                                 |                             |      |                  |              |                         |      |             |      |                  |              |                 |

Kit reference RCDXK1D28 includes RCDX602D28 + RMD26L1D28 + YOC074 + RCDXB0551 and are packed in plastic bag.

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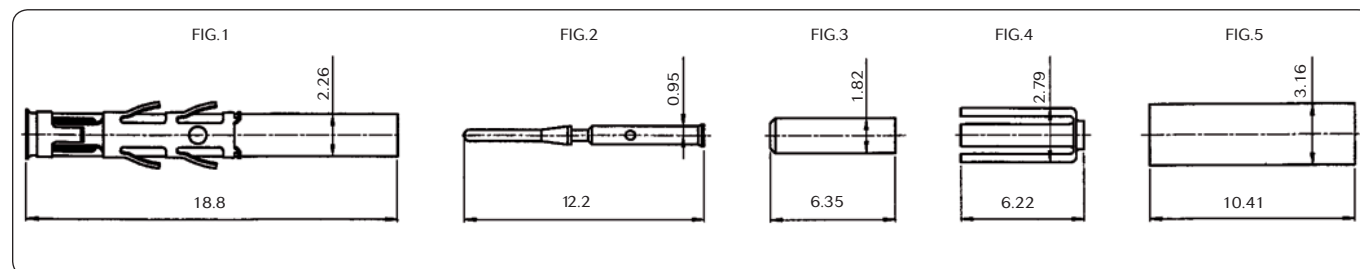
# Multipiece coaxial contacts size 16

## MULTIPIECE Subminiature coax - Male contact for coaxial cable



| Type of coaxial cable                                    | Contact for inner conductor |      |                  |              | Contact for outer braid |      |                                |             |                  |              | Extraction tool |
|----------------------------------------------------------|-----------------------------|------|------------------|--------------|-------------------------|------|--------------------------------|-------------|------------------|--------------|-----------------|
|                                                          | Inner female contact        |      | Crimp tool M10S1 |              | Outer male contact      |      | Hyring                         |             | Crimp tool M10S1 |              |                 |
|                                                          | Part number                 | Fig. | Die set          | Stop bushing | Part number             | Fig. | Part number                    | Fig.        | Die set          | Stop bushing |                 |
| 2 #24 stranded MIL-W-16878 Type B                        | RFD26L1D28                  | 2    | S26D2            | SL46D2       | RMDX602D28              | 1    | YOC074<br>RMDXB0554<br>YORX090 | 5<br>3<br>4 | S221             | SL471        | RX2025GE1       |
| 2 #24 solid MIL-W-76 Type LW                             |                             |      |                  |              |                         |      | YOC074<br>RMDXB0553<br>YORX090 | 5<br>3<br>4 |                  |              |                 |
| 2 #26 stranded MIL-W-76 Type LW or MIL-W16878 type B & E |                             |      |                  |              |                         |      |                                |             |                  |              |                 |
| 2 #28 solid MIL-W-81822/3                                |                             |      | S46              |              |                         |      | S47                            |             |                  |              |                 |

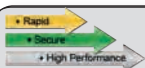
## MULTIPIECE Subminiature coax - Female contact for coaxial cable



| Type of coaxial cable                                    | Contact for inner conductor |      |                  |              | Contact for outer braid |      |                                |             |                  |              | Extraction tool |
|----------------------------------------------------------|-----------------------------|------|------------------|--------------|-------------------------|------|--------------------------------|-------------|------------------|--------------|-----------------|
|                                                          | Inner male contact          |      | Crimp tool M10S1 |              | Outer female contact    |      | Hyring                         |             | Crimp tool M10S1 |              |                 |
|                                                          | Part number                 | Fig. | Die set          | Stop bushing | Part number             | Fig. | Part number                    | Fig.        | Die set          | Stop bushing |                 |
| 2 #24 stranded MIL-W-16878 Type B                        | RMD26L1D28                  | 2    | S26D2            | SL46D2       | RCDX602D28              | 1    | YOC074<br>RCDXB0552<br>YORX090 | 5<br>3<br>4 | S221             | SL471        | RX2025GE1       |
| 2 #24 solid MIL-W-76 Type LW                             |                             |      |                  |              |                         |      | YOC074<br>RMDXB0551<br>YORX090 | 5<br>3<br>4 |                  |              |                 |
| 2 #26 stranded MIL-W-76 Type LW or MIL-W16878 type B & E |                             |      |                  |              |                         |      |                                |             |                  |              |                 |
| 2 #28 solid MIL-W-81822/3                                |                             |      | S46              |              |                         |      |                                |             | S47              |              |                 |

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# Monocrimp coaxial contacts size 16



## Description

### Size 16 Monocrimp COAXIAL contacts for TRIM TRIO® connectors

Size 16 RMDX/RCDX Monocrimp .0625" (1.6mm) diameter contacts are one-piece monocrimp subminiature coaxial contacts to cover a wide range of subminiature coaxial and twisted pair cables.

They provide cost effective solutions in applications where a mix of signal, power and coaxial cable terminations for low frequency, shielded signal and high frequency applications are needed.

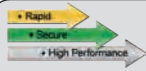
Monocrimp one-piece coaxial contacts offer high reliability plus the economic advantage of a 95% reduction in installation time over conventional assembly methods currently in use.

Typical features and benefits are :

- The monocrimp one-piece coaxial contacts offer high reliability plus the economic advantage of a 95% reduction in installation time over conventional assembly methods.
- This economy is achieved by simultaneously crimping of both the inner and outer conductor.

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# Monocrimp coaxial contacts size 16



## Technical characteristics

### Electrical

- Operating voltage between inner / outer contact: 230 VDC
- Test potential between inner / outer contact: 450 VAC 1 min.
- Contact retention in body: 65 N min.
- Contact voltage drop at 1A: 30m V max.
- Isolation at 30 MHz: 140 db.

### Construction

- Inner and outer contacts: High conductive copper alloy
- Insulating bushing: Thermoplastic

### Environmental

- Operating temperature: -55°C to +125°C

### Plating table

- Retaining spring: Nickel
- Inner and outer contacts: D28: 0.75µm gold min. over nickel

### Connector accomodation

- Any TRIM TRIO® size 16 contact can be used in any contact position in any connector in the TRIM TRIO® size 16 interconnection system : UTP, UTS, UTG, UTO, MS-M, MSG / MB, SMS

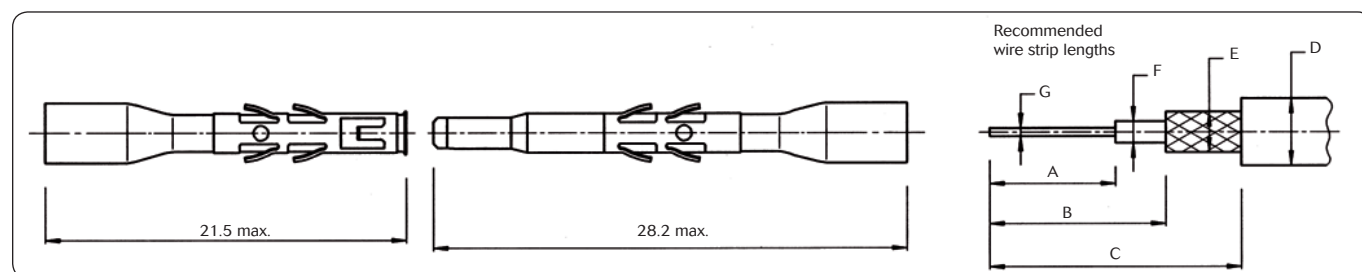
## Ordering information

| Type                       | RMDX60<br>RCDX60         | 36<br>36 | D28<br>D28 |
|----------------------------|--------------------------|----------|------------|
| Contact type               |                          |          |            |
| RMDX                       | Male subminiature coax   |          |            |
| RCDX                       | Female subminiature coax |          |            |
| Monocrimp design variation |                          |          |            |
| Plating indication         |                          |          |            |

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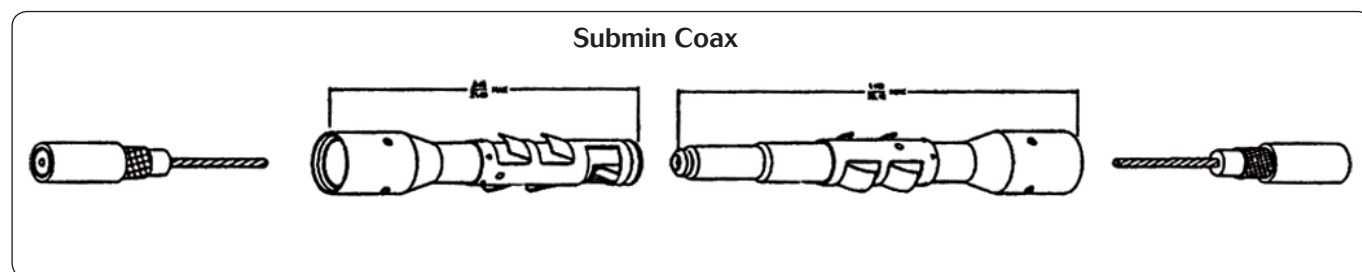
# Monocrimp coaxial contacts size 16

## MONOCRIMP Subminiature coax



| Part numbers               | AWG<br>inner<br>conduct. | Cable<br>type | Coax dimensions |      |      |      | Coax strip lengths |      |      | Crimp tool M10S1     |                              | Extraction<br>tool |
|----------------------------|--------------------------|---------------|-----------------|------|------|------|--------------------|------|------|----------------------|------------------------------|--------------------|
| Male<br><br>Female         |                          |               | D max.          | E    | F    | G    | A                  | B    | C    | Die set<br>not incl. | Stop<br>bushing<br>not incl. |                    |
| RMDX6050D28<br>RCDX6050D28 | 30                       | -             | 2.64            | 2.11 | 1.70 | 0.30 | 5.1                | 6.35 | 8.9  | S80                  | SL105                        | RX2025GE1          |
| RMDX6050D28<br>RCDX6050D28 |                          | -             | 2.29            | 1.63 | 1.22 |      | 4.2                | 5.97 | 8.5  | S87                  |                              |                    |
| RMDX6032D28<br>RCDX6032D28 | 28                       | -             | 2.90            | 1.29 | 1.91 | 0.38 | 5.1                | 6.35 | 11.7 | S80                  |                              |                    |
| RMDX6024D28<br>RCDX6024D28 | 26                       | -             | 1.78            | 1.37 | 0.96 | 0.48 |                    |      | 8.9  | S82                  |                              |                    |
| RMDX6032D28<br>RCDX6032D28 |                          | RG174/U       | 2.92            | 2.24 | 1.52 | 0.48 |                    |      | 11.7 | S80                  |                              |                    |
| RMDX6026D28<br>RCDX6026D28 |                          | -             | 3.05            | 2.44 | 1.96 | 0.41 |                    |      | 8.9  | S82                  |                              |                    |
| RMDX6036D28<br>RCDX6036D28 |                          | RG188A/U      | 2.79            | 1.98 | 1.52 | 0.51 |                    |      | 11.7 | S80                  |                              |                    |
| RMDX6036D28<br>RCDX6036D28 |                          | RG316/U       | 2.72            |      |      |      |                    |      |      |                      |                              |                    |

\* M10SG8 consists of die set, stop bushing and M10S1 tool

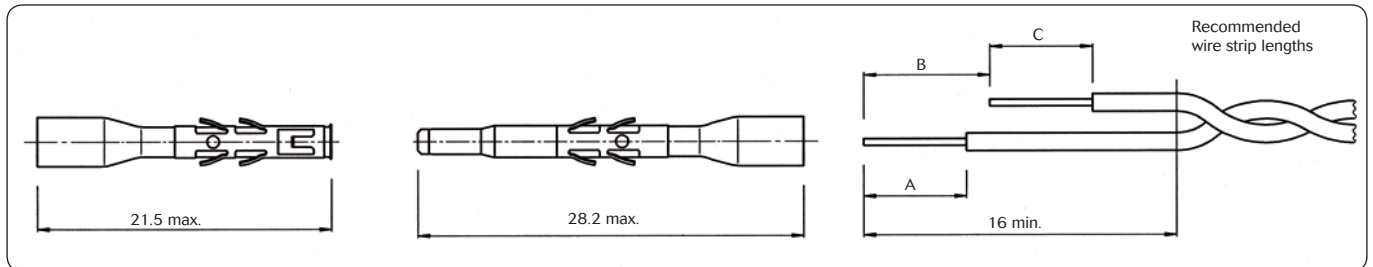


Note : all dimensions are in mm

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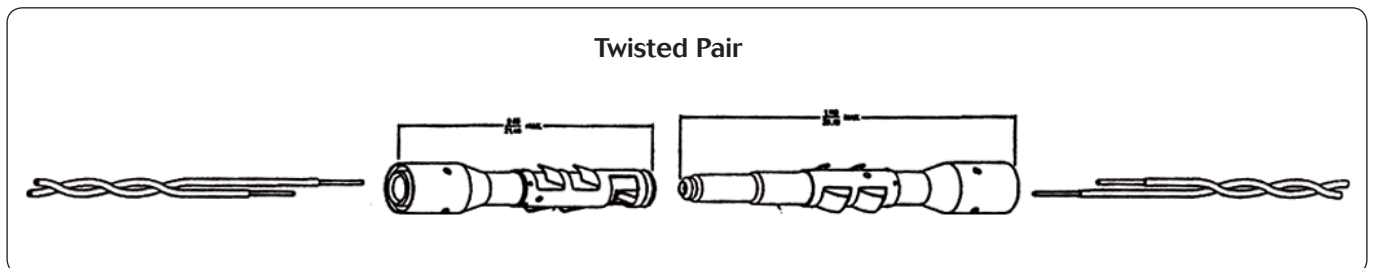
# Monocrimp coaxial contacts size 16

## MONOCRIMP Twisted pair



| Part number                | AWG inner conduct.                                | Dia. outer           | Cable strip lengths |     |     | Crimp tool M10S1        |                           | Extraction tool |
|----------------------------|---------------------------------------------------|----------------------|---------------------|-----|-----|-------------------------|---------------------------|-----------------|
| Male<br>Female             |                                                   |                      | A                   | B   | C   | Die set<br>not incl.    | Stop bushing<br>not incl. |                 |
| RMDX6019D28<br>RCDX6019D28 | 26 (19 x 0.10)<br>24 (7 x 0.20)<br>24 (19 x 0.13) | 1.25<br>1.25<br>1.45 | 4.7                 | 6.0 | 4.0 | M10SG8*<br>Crimping kit |                           | RX2025GE1       |
| RMDX6031D28<br>RCDX6031D28 | 26 (7 x 0.16)                                     | 0.70                 |                     |     |     | S80                     | SL105                     |                 |

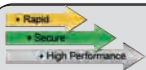
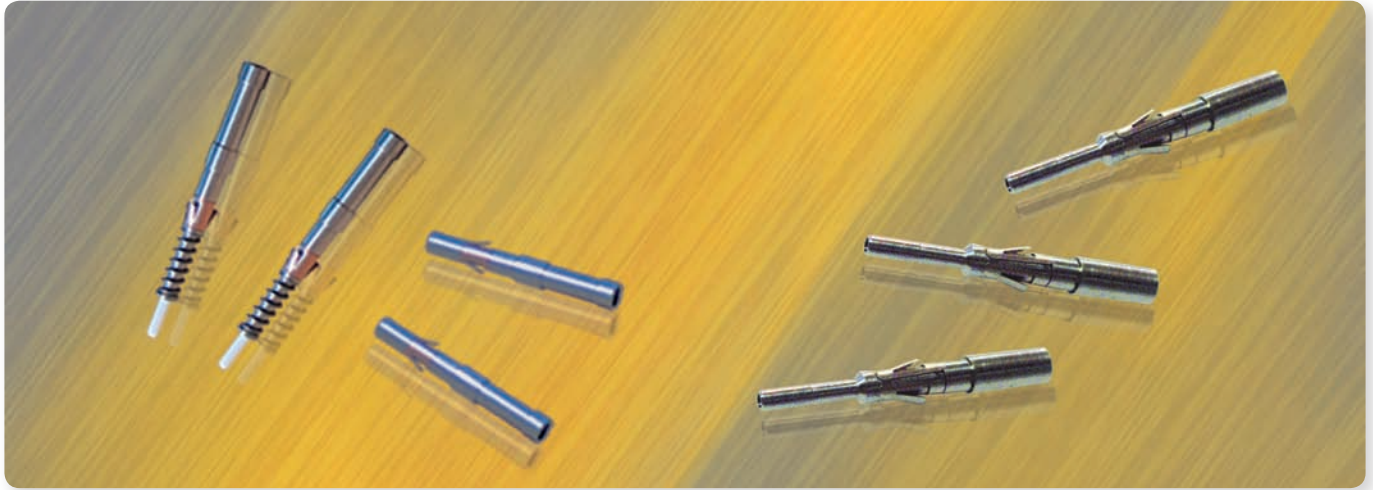
\* M10SG8 consists of die set, stop bushing and M10S1 tool



Note : all dimensions are in mm

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# Fibre optic contacts size 16



## Description

### Size 16 Fibre optic contacts for TRIM TRIO® connectors

Size 16 Fibre optic contacts are optical contacts designed for the integration of optical links in all TRIM TRIO® cable connectors.

The Fibre optic contacts are designed to accommodate:

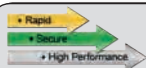
- Plastic Optical Fibre (POF)  
1 mm core and 2.2 mm jacket
- Plastic Clad Fibre (PCF)  
230µm core and 2.2 mm jacket
- Multimode Silica Fibre  
62.5/125µm type 2.0 mm max. jacket
- Singlemode Silica Fibre  
9/125µm type 2.0 mm jacket

Typical features and benefits are :

- Socket contact is spring loaded to avoid any air gap between the two optical faces.
- Low insertion loss is provided by high precision pieces.
- Single jumpers, multiway harness and active device housings can be supplied regarding customer requirement.

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# Fibre optic contacts size 16



## Technical characteristics

### Performance

|                                   |                |                |                |
|-----------------------------------|----------------|----------------|----------------|
| • Fibre type:                     | POF/PCF        | Multimode      | Singlemode     |
| • Wave length:                    | 650 nm         | 62.5/ 125µm    | 9/ 125µm       |
| • Optical insertion loss (typ.):  | 2 dB max.      | 1300 nm        | 1310 nm        |
| • Jacketed external diameter:     | 2.2mm          | < 0.5 dB       | < 0.35 dB      |
| • Temperature range:              | -25°C to +70°C | 2.0mm max.     | 2.0mm max.     |
| • Cable retention:                | 49N            | -25°C to +70°C | -25°C to +70°C |
| • Mating cycles without cleaning: | 50             |                |                |
| • Max. mating cycles:             | 500            |                |                |

### Construction

- Contact body: Copper alloy

### 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 : UTP, UTS, UTG, UTO.

## Ordering information

### POF Contacts (Plastic Optical Fibre)

|                |            |
|----------------|------------|
| Male contact   | RMPOF1000  |
| Female contact | RCPOF1000B |

### PCF Contacts (Plastic Clad Fibre)

|                |           |
|----------------|-----------|
| Male contact   | RMPCF230  |
| Female contact | RCPOF230B |

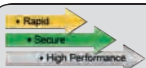
### Silica Contacts - Multimode

|                |         |
|----------------|---------|
| Male contact   | RMMMOFA |
| Female contact | RCMMOFA |

### Silica Contacts - Monomode

|                |         |
|----------------|---------|
| Male contact   | RMSMOFA |
| Female contact | RCSMOFA |

## Tooling kit



## POF Contact (Plastic Optical Fibre)

### STANDARD TOOLING KIT - P/N 80MS0004

The **standard tooling kit** is made of the part numbers below that can be ordered separately as well.

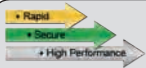
| Part numbers | Descriptions                                                   |
|--------------|----------------------------------------------------------------|
| 80WD005      | Stripping tool                                                 |
| 80WD0025     | Automatic stripping tool for Ø 0.5 mm, 0.6 mm, 0.7 mm & 3.8 mm |
| 80WM0006     | Ruler                                                          |
| 80WP0005     | Polishing plate                                                |
| 80WP0013     | Non slip base (to hold the polishing plate)                    |
| 80WP0014     | Polishing disk (grain size 9µm)                                |
| 80WP0018     | Polishing tool                                                 |
| 80WP0019     | Polishing disk (grain size 30µm)                               |
| 80WS0002     | Crimping plier                                                 |

### SPECIFIC TOOLING LIST - can be ordered only separatly

| Part numbers | Descriptions    |
|--------------|-----------------|
| 80WG0010     | Needle          |
| 80WG0015     | Capsule         |
| 80WG0016     | Syringe         |
| 80WN0005     | Dry air spray   |
| 80WN0006     | Optical paper   |
| 80WN0012     | Dropping bottle |
| 80WN0008     | Wiping solvent  |

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# Fibre optic contacts size 16

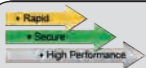


## PCF Contact (Plastic Clad Fibre)

### STANDARD TOOLING KIT - P/N 80MG0039

| Descriptions                 |
|------------------------------|
| Stripping tool for Ø 2.2 mm  |
| Kevlar scissors              |
| Stripping tool for Ø 0.25 mm |
| Alumina blade                |
| Polishing tool               |
| Press fit tool               |
| Microscope                   |

| Descriptions                                |
|---------------------------------------------|
| Polishing disk (grain size 9µm)             |
| Polishing disk (grain size 0.3µm)           |
| Curing oven                                 |
| Polishing plate                             |
| Non slip base (to hold the polishing plate) |
| Glue                                        |



## Multimode Contact - Silica

### STANDARD TOOLING KIT - P/N 80MG0027

The **standard tooling kit** is made of the part numbers below that can be ordered separately as well.

| Part numbers | Descriptions                                                   |
|--------------|----------------------------------------------------------------|
| 80WC0001     | Aramid yarn scissors                                           |
| 80WC0003     | Cutter                                                         |
| 80WC0004     | Alumina blade                                                  |
| 80WD0008     | Stripping tool for Ø 0.20 mm                                   |
| 80WD0010     | Stripping tool for Ø 0.25 mm                                   |
| 80WD0014     | Stripping tool for Ø 0.60 mm                                   |
| 80WD0025     | Automatic stripping tool for Ø 0.5 mm, 0.6 mm, 0.7 mm & 3.8 mm |
| 80WM0006     | Ruler                                                          |
| 80WP0005     | Polishing plate                                                |
| 80WP0013     | Non slip base (to hold the polishing plate)                    |
| 80WT0008     | Curing oven                                                    |
| 80WT0009     | Protective tube                                                |

### SPECIFIC TOOLING LIST - can be ordered only separately

| Part numbers | Descriptions                          |
|--------------|---------------------------------------|
| 80WD0036     | Stripping tool for Ø 0.9 mm & 0.25 mm |
| 80WD0005     | Stripping tool for Ø 2.2 mm & 1.5 mm  |
| 80WL0001     | Microscope x400                       |
| 80WL0008     | Microscope adaptor                    |
| 80WP0025     | Polishing tool                        |
| 80WS0002     | Crimping tool                         |
| 80WT0005     | Contact support for polymerisation    |
| 80WG0010     | Needle                                |
| 80WG0014     | Glue                                  |
| 80WG0015     | Capsule                               |
| 80WG0016     | Syringe                               |
| 80WN0005     | Dry air spray                         |
| 80WN0006     | Optical paper                         |
| 80WN0012     | Dropping bottle                       |
| 80WP0014     | Polishing disk (grain size 9µm)       |
| 80WP0015     | Polishing disk (grain size 0.3µm)     |

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# Machined / Stamped & formed contacts size 20



## Description

### Size 20 contacts for TRIM TRIO® connectors

Size 20 contacts with a .040" (1.0mm) pin diameter are two piece crimp snap-in contacts in pin and socket version available in:

- **Machined version**
- **Stamped and formed version**
- **Machined dip solder contacts**
  - 50A7
  - 5016

and designed for heavy duty top performance requirements. These contacts consist of a crimp/solder 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.

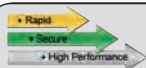
Crimp contacts accommodate AWG20 through AWG26 wire and the crimp barrels.

Typical features and benefits are :

- Made from high conductive copper alloy with gold plate finish.
- Two piece construction with dual purpose spring which serves for contact retention and protects the body against damage.
- Stamped and formed contacts packaging: on reel: 3000 pcs / in bulk packing: 100 pcs in plastic bag.
- Machined crimp and dip solder contacts packaging: 50 pcs in plastic box.

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# Machined / Stamped & formed contacts size 20



## Technical characteristics

### Performance

|                                    |                                     |                                     |
|------------------------------------|-------------------------------------|-------------------------------------|
|                                    | Machined                            | Stamped and formed                  |
| • Current per contact max.:        | 7.5 A                               | 5 A                                 |
| • Contact resistance:              | $\leq 6 \text{ m}\Omega$            | $\leq 15 \text{ m}\Omega$           |
| • Dielectric withstanding voltage: | 1500 V Rms min.                     |                                     |
| • Contact retention in body:       | 90 N max.                           |                                     |
| • Contact engagement force:        | 5 N max.                            |                                     |
| • Contact separation force:        | 0.3 N min.                          |                                     |
| • Plating:                         | 0.40 $\mu\text{m}$ gold over nickel | 0.75 $\mu\text{m}$ gold over nickel |

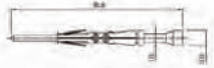
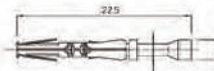
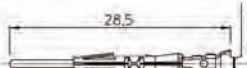
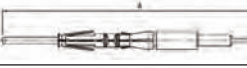
### Construction

- Contact body: High conductive copper alloy

### Connector accommodation

Any size 20 contacts for UTO, UTS and UTG connectors can be used in any contact position.

## Ordering information

| Contact type             |                                                                                     |                              | Part numbers | AWG      | Section<br>mm <sup>2</sup>            | Insulation<br>diameter |
|--------------------------|-------------------------------------------------------------------------------------|------------------------------|--------------|----------|---------------------------------------|------------------------|
| Machined crimp           |  | Pin                          | RM24W3K      | 26 - 24  | 0.13 - 0.20                           | 1.58 max.              |
|                          |                                                                                     |                              | RM20W3K      | 22 - 20  | 0.32 - 0.52                           | 1.58 max.              |
|                          |                                                                                     |                              | RM18W3K      | 20 - 18  | 0.50 - 0.93                           | 2.10 max.              |
|                          |  | Socket                       | RC24W3K      | 26 - 24  | 0.13 - 0.20                           | 1.58 max.              |
|                          |                                                                                     |                              | RC20W3K      | 22 - 20  | 0.32 - 0.52                           | 1.58 max.              |
|                          |                                                                                     |                              | RC18W3K      | 20 - 18  | 0.50 - 0.93                           | 2.10 max               |
| Stamped and formed crimp |  | Reeled loose piece<br>Pin    | SM24W3S26    | 26 - 24  | 0.13 - 0.25                           | 0.89 - 1.58            |
|                          |                                                                                     |                              | SM24WL3S26   |          |                                       |                        |
|                          |                                                                                     | Reeled loose piece           | SM20W3S26    | 22 - 20  | 0.35 - 0.50                           | 1.17 - 2.08            |
|                          |                                                                                     |                              | SM20WL3S26   |          |                                       |                        |
|                          |  | Reeled loose piece<br>Socket | SC24W3S25    | 26 - 24  | 0.13 - 0.25                           | 0.89 - 1.58            |
|                          |                                                                                     |                              | SC24WL3S25   |          |                                       |                        |
|                          |                                                                                     | Reeled loose piece           | SC20W3S25    | 22 - 20  | 0.35 - 0.50                           | 1.17 - 2.08            |
|                          |                                                                                     | SC20WL3S25                   |              |          |                                       |                        |
| Machined Dip solder      |  | Pin                          | 50A7         | RMW50A7K | For solder tail details see next page |                        |
|                          |                                                                                     |                              | 5016         | RMW5016K |                                       |                        |
|                          |  | Socket                       | 50A7         | RCW507AK |                                       |                        |
|                          |                                                                                     |                              | 5016         | RCW5016K |                                       |                        |

Note : all dimensions are in mm

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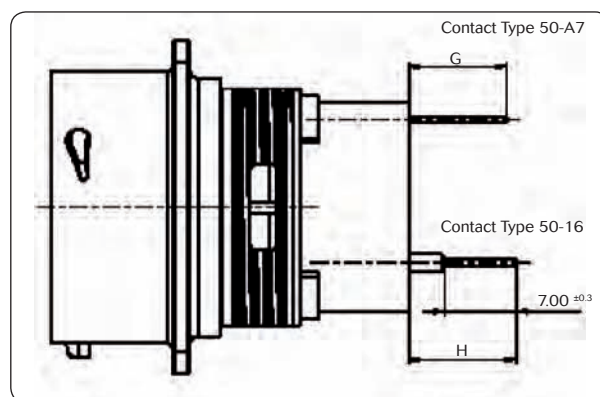
# Machined / Stamped & formed contacts size 20

## Crimptooling table

| Size                    | Hand crimp tooling for loose contacts |                                    |                 | Automatic crimp tooling for contacts on strip             |                              | Extraction tools |
|-------------------------|---------------------------------------|------------------------------------|-----------------|-----------------------------------------------------------|------------------------------|------------------|
|                         | y14MTV / y16SCM2<br>die set included  | MH860<br>Positioner<br>(not incl.) | Locator setting | P107 Press<br>Left side applicator<br>KRM/KRC (not incl.) | Stripper unit<br>(not incl.) |                  |
| RM24W3K                 | y16RCM<br><br>or<br><br>AF8 + TP120   | MH86301                            | 5/6             | -                                                         | -                            | RX20D44          |
| RM20W3K                 |                                       |                                    | 5/7             |                                                           |                              |                  |
| RM18W3K                 |                                       |                                    | 6/8             |                                                           |                              |                  |
| RC24W3K                 |                                       |                                    | 5/6             |                                                           |                              |                  |
| RC20W3K                 |                                       |                                    | 4/7             |                                                           |                              |                  |
| RC18W3K                 |                                       |                                    | 6/8             |                                                           |                              |                  |
| SM24W3S26<br>SM24WL3S26 | y14MTV                                | -                                  | -               | MLS0318B                                                  | SC11                         |                  |
| SM20W3S26<br>SM20WL3S26 |                                       |                                    |                 | MLS0555A                                                  |                              |                  |
| SC24W3S25<br>SC24WL3S25 |                                       |                                    |                 | MLS0318B                                                  |                              |                  |
| SC20W3S25<br>SC20WL3S25 |                                       |                                    |                 | MLS0555A                                                  |                              |                  |
| RMW50A7K                | For solder tail details, see below    |                                    |                 |                                                           |                              |                  |
| RMW50 16K               |                                       |                                    |                 |                                                           |                              |                  |
| RCW507AK                |                                       |                                    |                 |                                                           |                              |                  |
| RCW50 16K               |                                       |                                    |                 |                                                           |                              |                  |

## Nominal length (dim G) of dipsolder contacts out of connector

(contacts to be ordered separately)



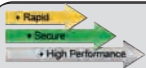
## UTS7 jam nut receptacle connectors

| Size | Male contact |          | Female contact |          |
|------|--------------|----------|----------------|----------|
|      | RMW50A7K     | RMW5016K | RCW50A7K       | RCW5016K |
| 10   | 9.51         | 10.41    | 2.4            | 3.04     |
| 12   |              |          |                |          |
| 14   |              |          |                |          |
| 16   |              |          |                |          |
| 18   |              |          |                |          |
| 20   | 5            | 6        | -              | -        |
| 22   |              |          |                |          |
| 24   | 3.6          | 4.6      |                |          |

\* Plating indication : see plating table / Note : all dimensions are in mm

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# Power contacts



## Description

TRIM TRIO® connectors also offer possibilities to use or combine power contacts with the standard size 16 signal contacts into the same housing.

It offers customers to reduce the number of connectors when combining signal and high current applications into one connector.

The signal cavities accept the full range of TRIM TRIO®:

- Size 16 contacts for applications up till 13 A
- Size 20 contacts for applications up till 7.5 A

Power cavities will either accept:

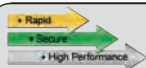
- **Size 12 contacts for applications up till 26A**
- **Size 8 contacts for applications up till 44A**

Pin and socket contacts are machined crimp snap-in and sockets for heavy duty top performance requirements.

*For any specific power arrangement, please consult us.*

**UTS : Your first choice in waterproof connectors !**

# Power contacts



## Technical characteristics

### Performance

- Current per contact max.:
- Contact resistance:

Contacts #12 (Ø2.4)  
26 A  
≤ 5 mΩ

Contacts #8 (Ø3.6)  
44A  
≤ 5 mΩ

### Construction

- Contact body: High conductive copper alloy

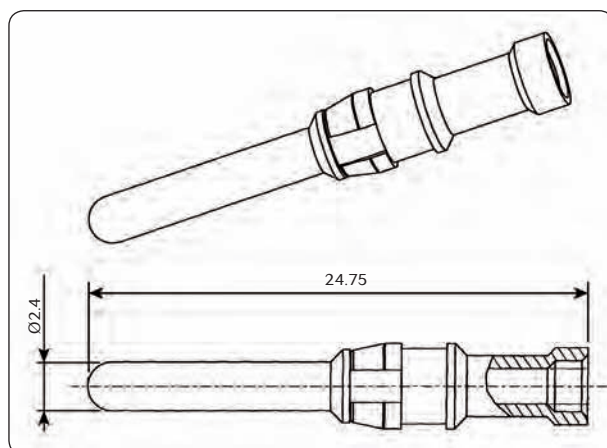
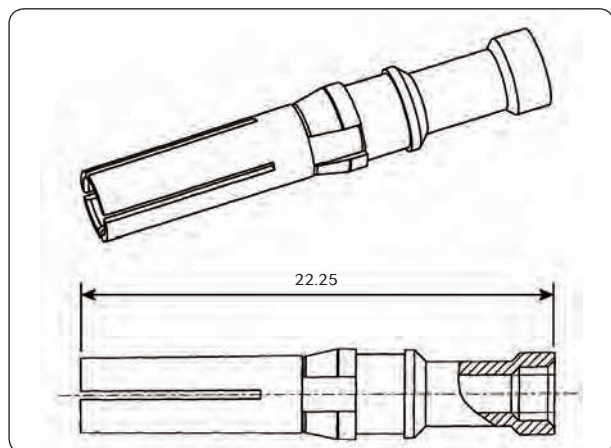
### Plating

K 0.4µm gold min. all over, over nickel  
A 3µm silver all over

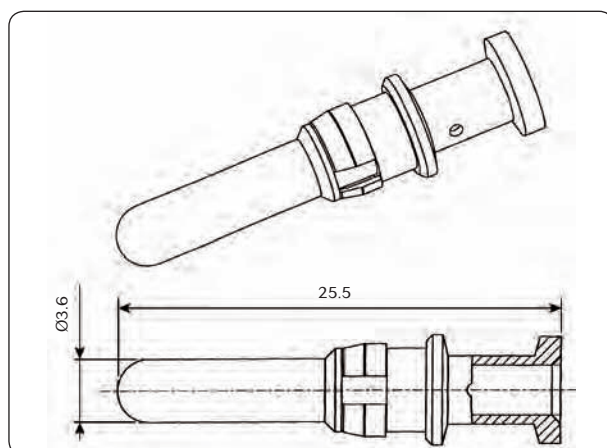
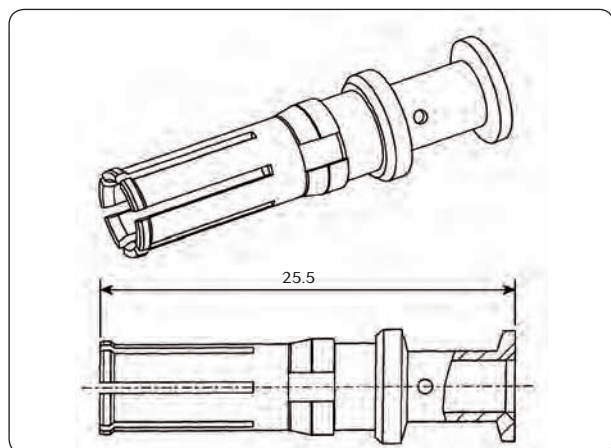
### Connector accommodation

Power contacts can be used in the existing power arrangements of the UTS - see catalog pages 6/7 - UTP, UTG, UTO, UTV and SMS connectors - see pages in the TRIM TRIO® catalog.

## Contacts #12 (Ø2.4 mm)



## Contacts #8 (Ø3.6 mm)



Note : all dimensions are in mm

**UTS : Your first choice in waterproof connectors !**

# Power contacts



## Ordering information

| Part numbers |           | Contact size | Contact Ø | Cable           |     |             | Crimp tooling | Locator setting | Locator   | Extraction tooling | Plating |
|--------------|-----------|--------------|-----------|-----------------|-----|-------------|---------------|-----------------|-----------|--------------------|---------|
| Pin          | Socket    |              |           | Section         |     | Insulator Ø |               |                 |           |                    |         |
|              |           |              |           | mm <sup>2</sup> | AWG | mm          |               |                 |           |                    |         |
| 82911459NA   | 82911458A | # 12         | 2.4       | 0.5             | 20  | 4.9         | M317          | 2               | VGE10077A | 51060210924        | Ag      |
| 82911461NA   | 82911460A |              |           | 0.75-1.0        | 18  |             |               | 2               |           |                    |         |
| 82911463NA   | 82911462A |              |           | 1.5             | 16  |             |               | 3               |           |                    |         |
| 82911465NA   | 82911464A |              |           | 2.5             | 14  |             |               | 3               |           |                    |         |
| 82911467NA   | 82911466A |              |           | 4.0             | 12  |             |               | 4               |           |                    |         |
| 82911459NK   | 82911458K | # 12         | 2.4       | 0.5             | 20  | 4.9         | M317          | 2               | VGE10077A | 51060210924        | Au      |
| 82911461NK   | 82911460K |              |           | 0.75-1.0        | 18  |             |               | 2               |           |                    |         |
| 82911463NK   | 82911462K |              |           | 1.5             | 16  |             |               | 3               |           |                    |         |
| 82911465NK   | 82911464K |              |           | 2.5             | 14  |             |               | 3               |           |                    |         |
| 82911467NK   | 82911466K |              |           | 4.0             | 12  |             |               | 4               |           |                    |         |
| 82913601A    | 82913600A | # 8          | 3.6       | 1.5             | 16  | 6.5         | M317          | 3               | VGE10078A | 51060210936        | Ag      |
| 82913603A    | 82913602A |              |           | 2.5             | 14  |             |               | 3               |           |                    |         |
| 82913605A    | 82913604A |              |           | 4.0             | 12  |             |               | 4               |           |                    |         |
| 82913607A    | 82913606A |              |           | 6.0             | 10  |             |               | 5               |           |                    |         |
| 82913609A    | 82913608A |              |           | 10.0            | 8   |             |               | 6-7             |           |                    |         |

Note : all dimensions are in mm

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