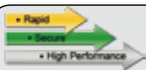
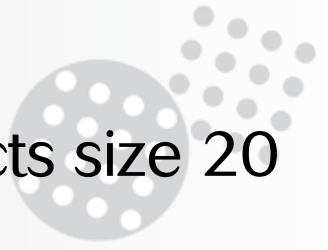


# Machined / Stamped & formed contacts size 20



## 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.

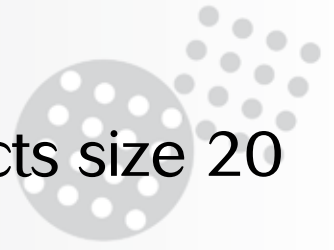
Crimp contacts accommodate AWG20 through AWG26 wire and the crimp barrels.

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:	≤ 6 mΩ	≤ 15 mΩ
• 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 indication:	0.40μm gold over nickel	0.75μm 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 mm <sup>2</sup>	Insulation 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		Pin	SM24W3S26	26 - 24	0.13 - 0.25	0.89 - 1.58
			SM24WL3S26			
		SM20W3S26	22 - 20	0.35 - 0.50	1.17 - 2.08	
		SM20WL3S26				
		Socket	SC24W3S25	26 - 24	0.13 - 0.25	0.89 - 1.58
			SC24WL3S25			
		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		

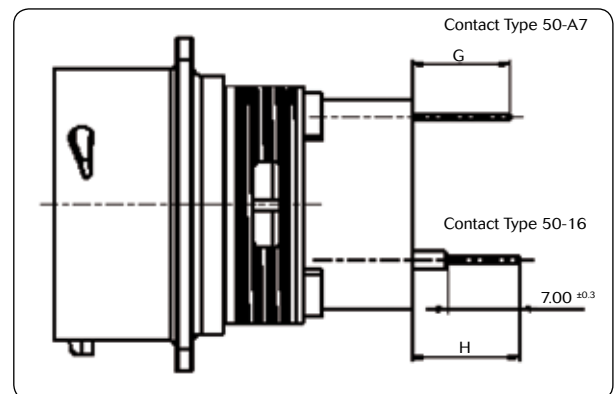
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# Machined / Stamped & formed contacts size 20

## Crimptooling table

Size	Hand crimp tooling for loose contacts			Automatic crimp tooling for contacts on strip		Extraction tools
	Y14MTV / Y16SCM2 die set included	MH860 Positioner (not incl.)	Locator setting	P107 Press Left side applicator KRM/KRC (not incl.)	Stripper unit (not incl.)	
RM24W3K	Y16RCM or AF8 + TP120	MH86301	5/6	-	-	RX20D44
RM20W3K			5/7			
RM18W3K			6/8			
RC24W3K			5/6			
RC20W3K			4/7			
RC18W3K			6/8			
SM24W3S26 SM24WL3S26	Y14MTV	-	-	MLS0318B	SC11	
SM20W3S26 SM20WL3S26				MLS0555A		
SC24W3S25 SC24WL3S25				MLS0318B		
SC20W3S25 SC20WL3S25				MLS0555A		
RMW50A7K	For solder tail details, see below					
RMW5016K						
RCW507AK						
RCW5016K						

**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	5	6	-	-
20				
22				
24	3.6	4.6		

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

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Note : all dimensions are in mm