

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	
<p>Electrical</p> <ul style="list-style-type: none"> • 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. <p>Construction</p> <ul style="list-style-type: none"> • Inner and outer contacts: High conductive copper alloy • Insulating bushing: Thermoplastic 	<p>Environmental</p> <ul style="list-style-type: none"> • Operating temperature: -55°C to +125°C <p>Plating table</p> <ul style="list-style-type: none"> • Retaining spring: Nickel spring • Inner and outer contacts: D28: 0.75µm gold min. over nickel <p>Connector accommodation</p> <ul style="list-style-type: none"> • 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

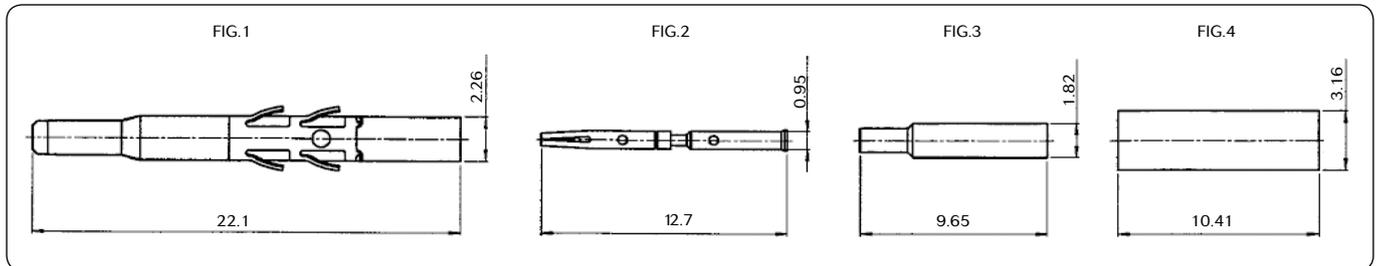
Ordering information

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

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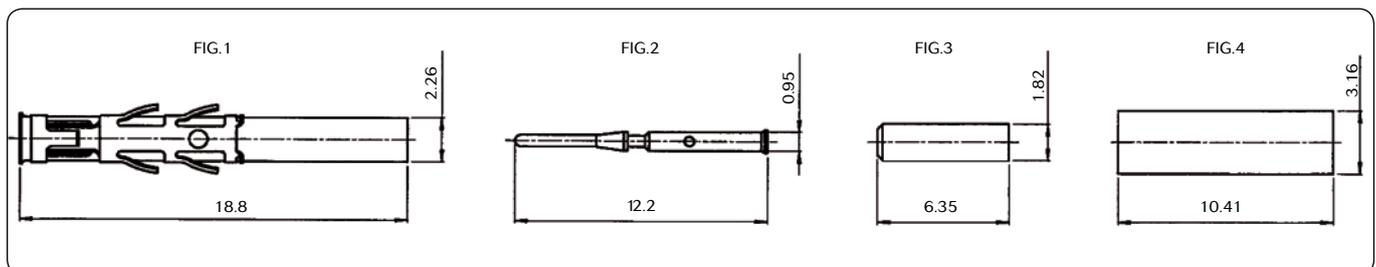
MULTIPIECE Subminiature coax - Male contact for coaxial cable



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 RG179A/U RG179B/U RG187U RG188/U RG174/U RG178A/U RG196U	RFD26L1D28	2	S23D2	SL46D2	RMDX602D28	1	YOC074	4	S22-1	SL47-1	RX2025GE1
S26D2			YOC074 + RMDXB0553								
S23D2											

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

MULTIPIECE Subminiature coax - Female contact for coaxial cable



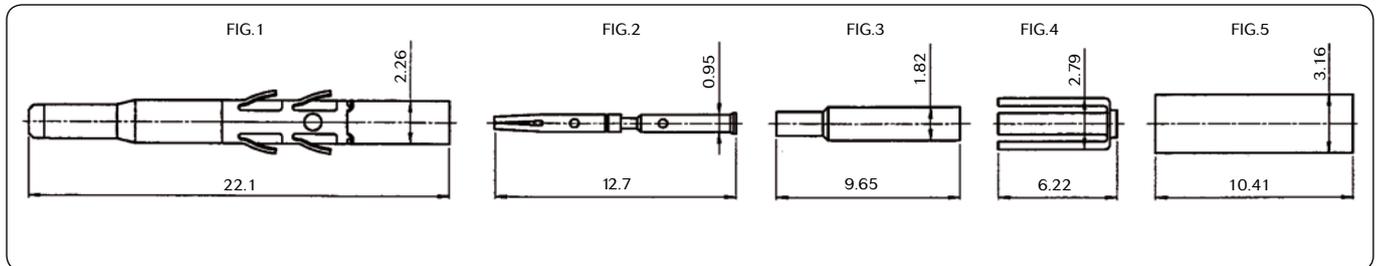
Type of coaxial cable	Contact for inner conductor				Contact for outer braid						Extraction tool
	Inner male contact		Crimp tool M10S1		Outer female contact		Hyring		Crimp tool M10S1		
	Part number	Fig.	Die set	Stop bushing	Part number	Fig.	Part number	Fig.	Die set	Stop bushing	
RG161U RG179A/U RG179B/U RG187U RG174/U RG188/U RG174/U RG178A/U RG196U	RMD26L1D28	2	S23D2	SL46D2	RCDX602D28	1	YOC074	4	S22-1	SL47-1	RX2025GE1
S26D2			YOC074								
S23D2			YOC074 + RCDXB0551				4 3				

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

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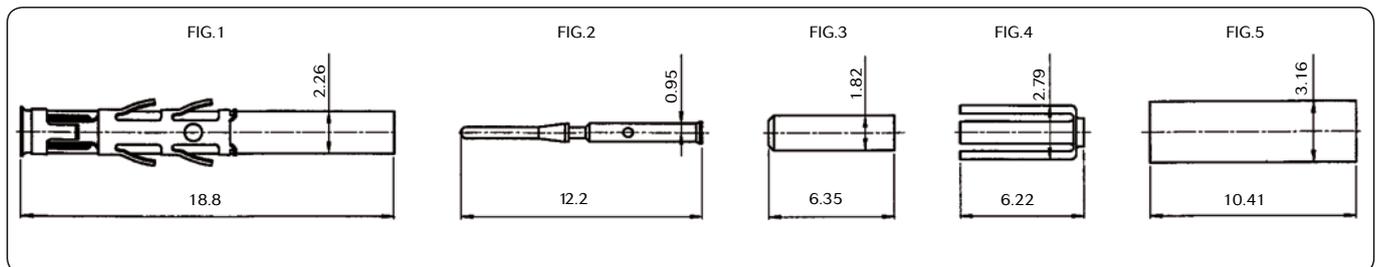
Multipiece coaxial contacts size 16

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	5	S221	SL471	RX2025GE1
RMDXB0554							3				
YORX090			4								
YOC074			5								
2 #24 solid MIL-W-76 Type LW							RMDXB0553	3			
2 #26 stranded MIL-W-76 Type LW or MIL-W16878 type B & E							YORX090	4			
2 #28 solid MIL-W-8 1822/3			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	5	S221	SL471	RX2025GE1
RCDXB0552							3				
YORX090			4								
YOC074			5								
2 #24 solid MIL-W-76 Type LW							RMDXB0551	3			
2 #26 stranded MIL-W-76 Type LW or MIL-W16878 type B & E							YORX090	4			
2 #28 solid MIL-W-8 1822/3			S46						S47		

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Monocrimp coaxial contacts size 16



 High Performance	Description
	<p>Size 16 Monocrimp COAXIAL contacts for TRIM TRIO® connectors</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Typical features and benefits are :</p> <ul style="list-style-type: none">▪ 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	
<p>Electrical</p> <ul style="list-style-type: none"> • 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. <p>Construction</p> <ul style="list-style-type: none"> • Inner and outer contacts: High conductive copper alloy • Insulating bushing: Thermoplastic 	<p>Environmental</p> <ul style="list-style-type: none"> • Operating temperature: -55°C to +125°C <p>Plating table</p> <ul style="list-style-type: none"> • Retaining spring: Nickel • Inner and outer contacts: D28: 0.75µm gold min. over nickel <p>Connector accomodation</p> <ul style="list-style-type: none"> • 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

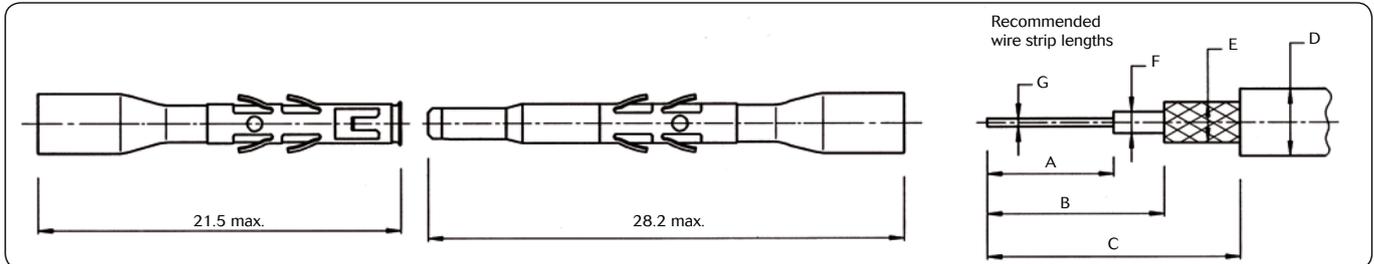
Ordering information

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

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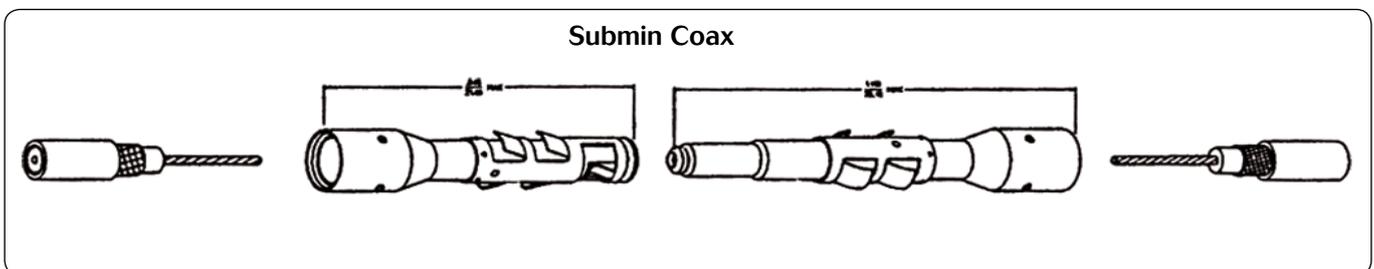
Monocrimp coaxial contacts size 16

MONOCRIMP Subminiature coax



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

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

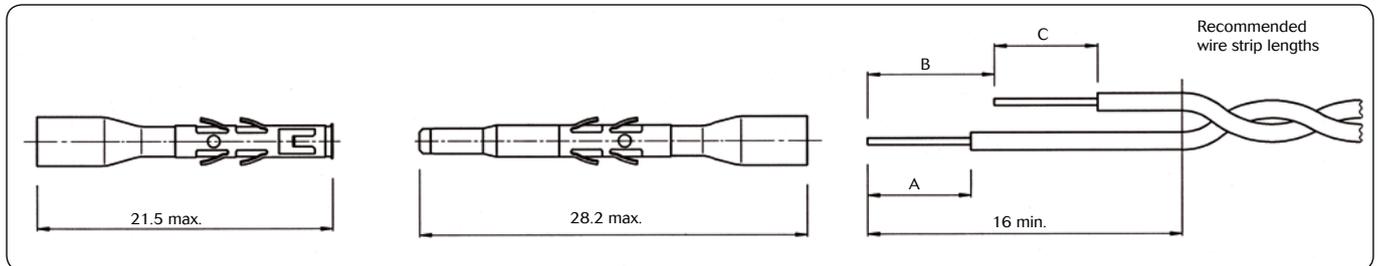


Note : all dimensions are in mm

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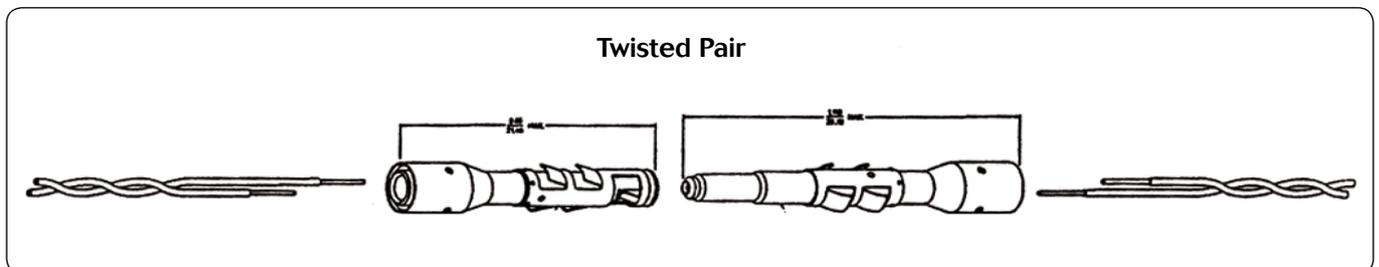
Monocrimp coaxial contacts size 16

MONOCRIMP Twisted pair



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