Size 16 MULTIPIECE coaxial contacts for TRIM TRIO connectors

Description

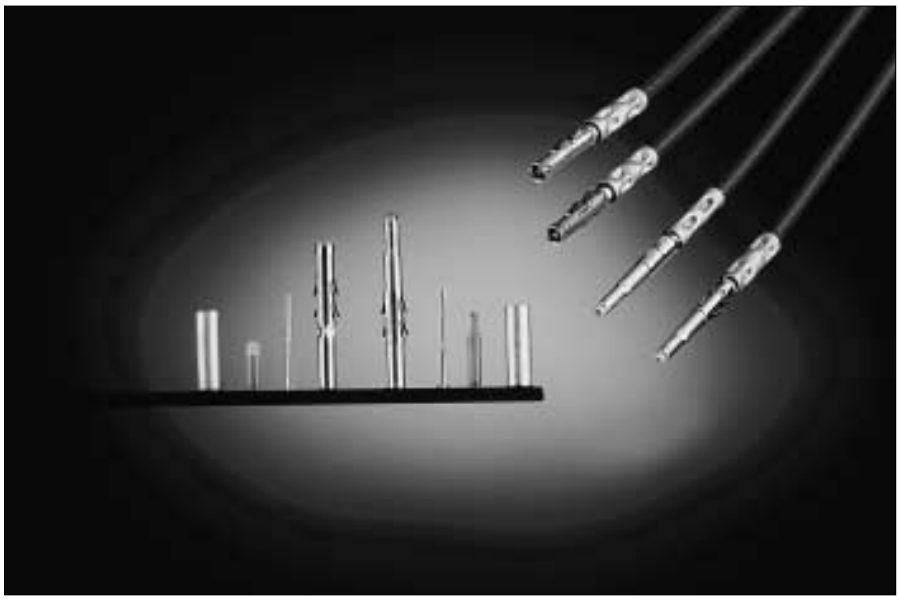
Size 16 RMDX/RCDX Multipiece .063" (1.6mm) diameter contacts are subminiature coaxial contacts to cover a wide range of subminiature coaxial and twisted pair cables.
They are suitable in applications where a mix of signal, power and coaxial cable terminations for low frequency, shielded signal and high frequency applications are needed.
The contact consist 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 conductor are crimped individually, thereby enabling inspection of both critical crimp points.

Features and benefits

- 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.

Performance characteristics

Operating voltage between inner / outer contact:	230 VDC
Test potential between inner / outer contact	750 VAC 1 min.
Operating temperature:	-55°C t0 + 125°C
Contact retention in body:	65 N min.
Contact voltage drop a 1A:	25m V max.
Isolation at 30 MHZ:	140 db.



Construction

Inner and outer contacts: High conductive copper alloy
Retaining spring: berylium copper
Insulating bushing: Polyamide 6.6

Plating table

Retaining spring: Nickel plated
Inner and outer contacts:
D28: 0.75 µ Gold min. over Nickel

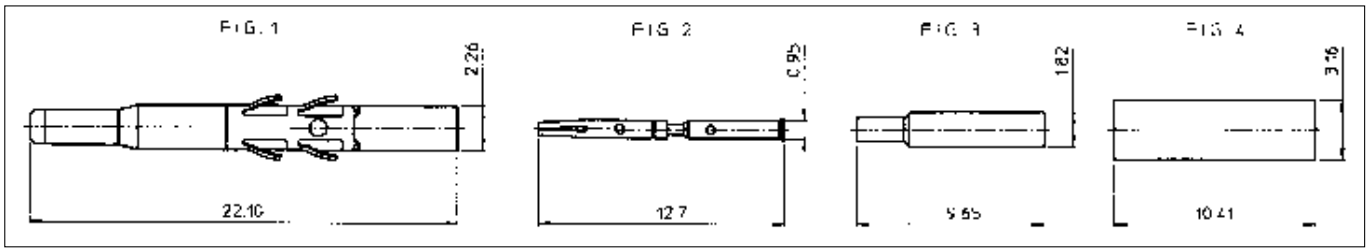
Connector accommodation

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

How to order

		RMDX RCDX	K10 K1	D28 D28
Contact type:	**RMDX** = Male subminiature coax. **RCDX** = Female subminiature coax.			
Multipiece coax kit	**K10** = Kit male coax. **K1** = Kit female coax			
Plating indication				

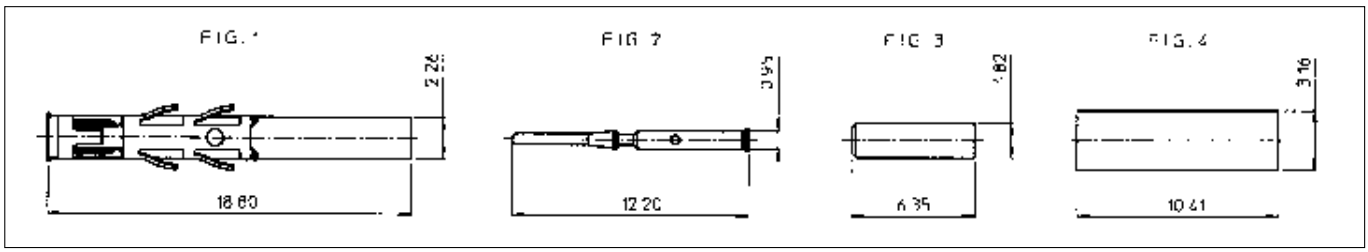
MULTIPIECE Subminiature coax - Male contact for coaxial cable



Type of coaxial cable	Contact for inner conductor				Contact for outer braid						Extrac 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	RFD26L1D28	2	S23D2	SL46D2	RMDX602D28	1	YOC074	4	S22-1	SL47-1	RX2025 GE1
RG174/U RG188/U Amphenol 21-598			S26D2				YOC074	4			RX16D11 D1
RG178A/U RG196U			S23D2				YOC074 + RMDXB0553	4 3			

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

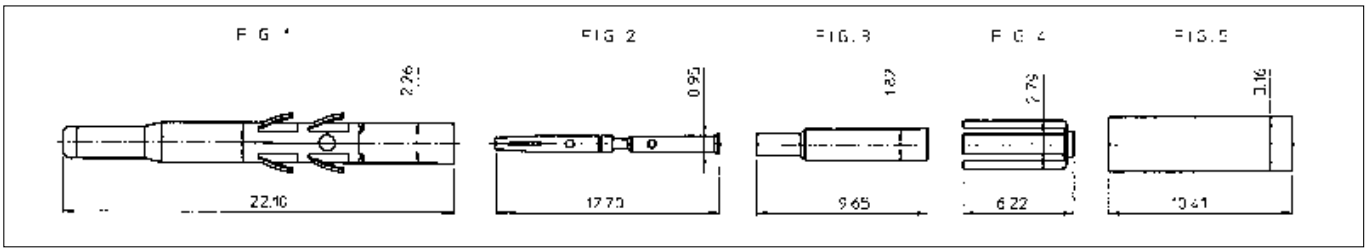
MULTIPIECE Subminiature coax - Female contact for coaxial cable



Type of coaxial cable	Contact for inner conductor				Contact for outer braid						Extrac 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	RMD26L1D28	2	S23D2	SL46D2	RCDX602D28	1	YOC074	4	S22-1	SL47-1	RX2025 GE1
RG174/U RG188/U Amphenol 21-598			S26D2				YOC074	4			or RX16D11 D1
RG178A/U RG196U			S23D2				YOC074 + RCDXB0551	4 3			

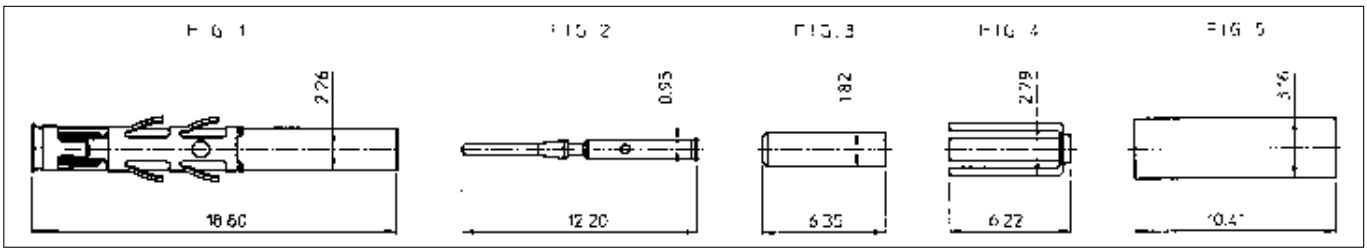
Kit reference RCDXK1D28 includes RCDX602D28 + RMD26L1D28 + YOC074 + RCDXB0551 and are packed in plastic bag.

MULTIPIECE Subminiature coax - Male contact for twisted pair cable



Type of coaxial cable	Contact for inner conductor				Contact for outer braid						Extrac 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 solid or stranded 2 #26 str	RFD26L1D28	2	S26D2	SL46D2	RMDX602D28	1	YORX090 YOC074 RMDXB0553	4 5 3	S221	SL471	RX2025 GE1
2 #24 7/0,20 str. MIL-W-76 or MIL-W-16878 type B							YORX090 YOC074 RMDXB0554	4 5 3			or RX16D11D1
#28 per MIL-W-81822/3							YORX090 YOC074 RMDXB0553	4 5 3			

MULTIPIECE Subminiature coax - Female contact for twisted pair cable



Type of coaxial cable	Contact for inner conductor				Contact for outer braid						Extrac 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 solid or stranded 2 #26 str	RMD26L1D28	2	S26D2	SL46D2	RCDX602D28	1	YORX090 YOC074 RCDXB0551	4 5 3	S221	SL471	RX2025 GE1
2 #24 7/0,20 str. MIL-W-76 or MIL-W-16878 type B							YORX090 YOC074 RCDXB0552	4 5 3			or RX16D11D1
#28 per MIL-W-81822/3							YORX090 YOC074 RCDXB0551	4 5 3			

Size 16 monocrimp coaxial contacts for TRIM TRIO connectors

Description

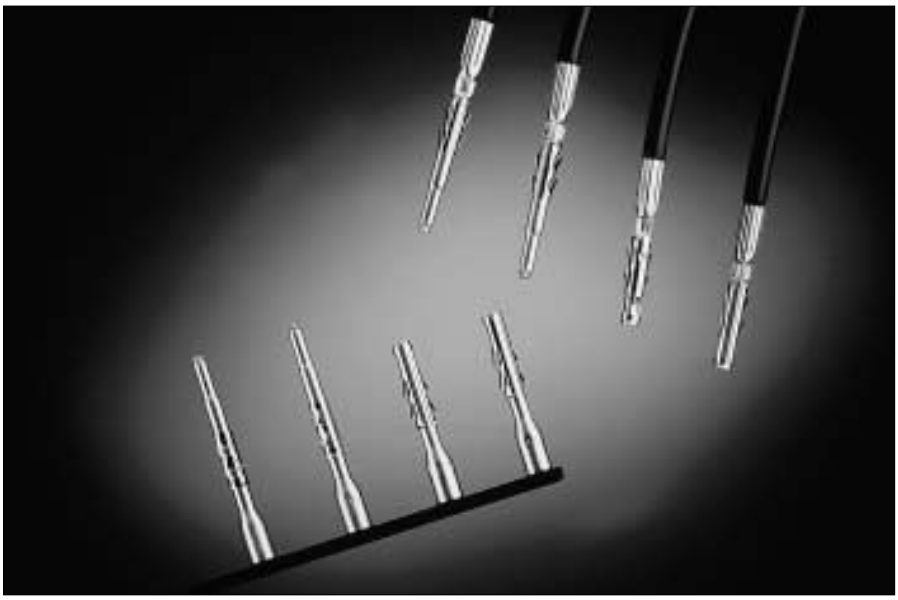
Size 16 RMDX/RCDX Monocrimp .063" (1.6mm) diameter contacts are one-piece monocrimp subminiature coaxial contacts to cover a wide range of subminiature coaxial and twisted pair cables.
They provide cost effective solutions in applications where a mix of signal, power and coaxial cable terminations for 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.

Features and benefits

- 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

Performance characteristics

Operating voltage between inner / outer contact:	230 VDC
Test potential between inner / outer contact	450 VAC 1 min.
Operating temperature:	-55°C to + 125°C
Contact retention in body:	65 N min.
Contact voltage drop a 1A:	30m V max.
Isolation at 30 MHZ:	140 db.



Construction

Inner and outer contacts: High conductive copper alloy
Retaining spring: berylium copper
Insulating bushing: Polyamide 6.6

Plating table

Retaining spring: Nickel plated
Inner and outer contacts:
D28: 0.75µ Gold min. over Nickel

Connector accommodation

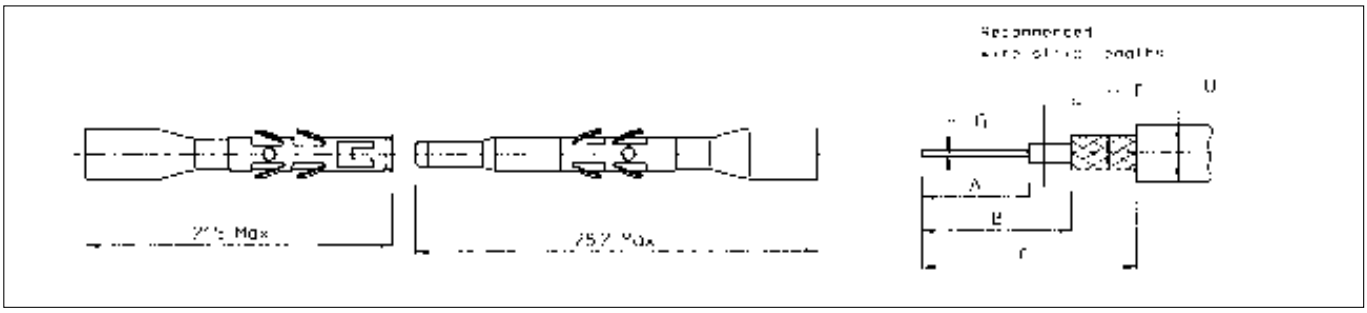
Any TRIM TRIO contact can be used in any contact position in any connector in the TRIM TRIO interconnection system.

- MS-M/MSG Rectangular connectors
- SMS Qikmate
- G - Bantamate
- UT-Bantam
- UTG Metalok bantam
- UTP Full plastic bantam
- UTGS Shielded bantam
- MBG Bantamate II

How to order

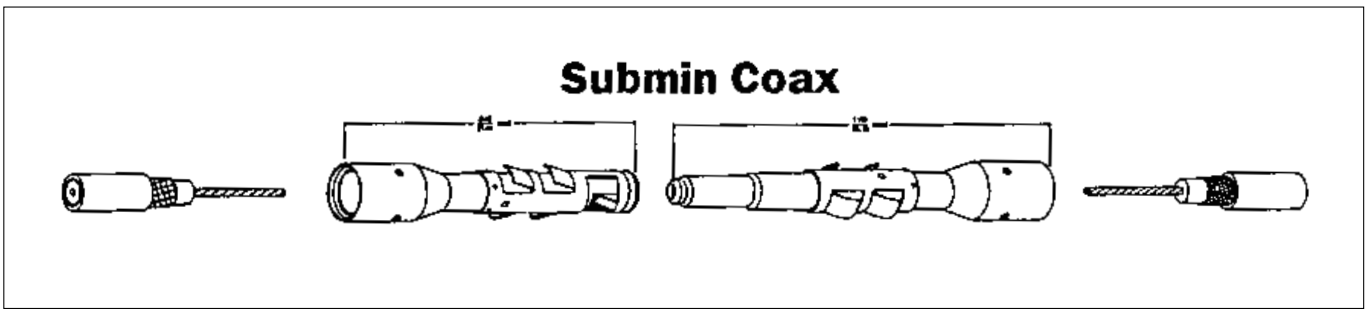
		RMDX60 **RCDX60**	**36** **36**	**D28** **D28**
Contact type:	**RMDX** = Male subminiature coax. **RCDX** = Female subminiature coax.			
Monocrimp design variation				
Plating indication				

MONOCRIMP Subminiature coax

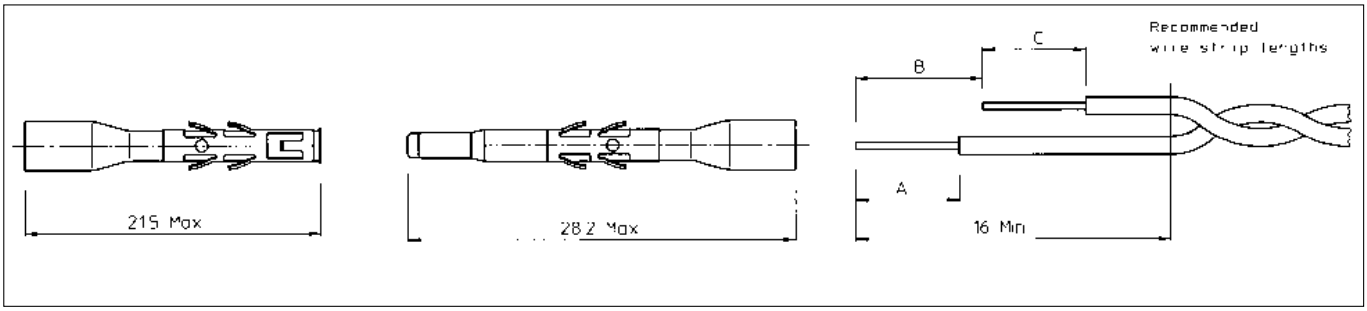


Part number Male / Female	AWG inner conduct.	Cable type	Coax dimensions D max	E	F	G	Coax strip lengths A	B	C	Crimp tool M10S1 Die set not incl.	stop bushing not incl.	Extraction tool
RMDX6050D28 **RCDX6050D28**	30	-	2.64	2.11	1.70	0.30	5.1		8.9	S80		
RMDX6050D28 **RCDX6050D28**		-	2.29	1.63	1.22		4.2		8.5	S87		
RMDX6032D28 **RCDX6032D28**	28	-	2.90	2.29	1.91	0.38			11.7	S80		
RMDX6024D28 **RCDX6024D28**		-	1.78	1.37	0.97	0.48				S82		
RMDX6032D28 **RCDX6032D28**		RG174/U	2.92	2.24	1.52	0.48	5.1	6.35		S80	SL105	RX2025GE1
RMDX6026D28 **RCDX6026D28**	26	-	3.05	2.44	1.96	0.41				S82		OR
RMDX6036D28 **RCDX6036D28**		RG188A/U	2.79			0.51			11.7	S80		RX16D11D1
RMDX6036D28 **RCDX6036D28**		RG316/U	2.72	1.98	1.52							
RMDX6018D28 **RCDX6018D28**			2.62			0.53			8.9	M10SG8* crimping kit		
RMDX6018D28 **RCDX6018D28**	26		2.34	1.70	1.27	0.64						

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



MONOCRIMP Twisted pair



Part number Male Female	AWG inner conduct.	Dia. outer jacket (single wire)	Cable strip lenghts A	 B	 C	Crimp tool M10S1 Die set not incl.	 Stop bushing not. incl.	Extraction tool
RMDX6019D28	26 (19 x 0.10)	1.25	4.7	6.0	4.0	M10SG8* Crimping kit		RX2025GE1 or RX16D11D1
RCDX6019D28	24 (7 x 0.20)	1.25						
	24 (19 x 0.13)	1.45						
RMDX6031D28	26 (7 x 0.16)	0.70				S80	SL105	
RCDX6031D28								

* M10SG8 consist of die set, stop bushing and M10S1 tool.

