

PART IDENTIFICATION

RT 9601 7 S * ***

SERIES

MIL C 81703 Compatible
Solder Contacts

MODIFICATION CODE

SHELL STYLE

9601 — Jam Nut Receptacle
9606 — Wall Mount
9616 — Box Mount Receptacle

ALTERNATE ROTATIONS

(Consult Dealer)

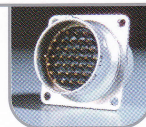
(P)IN/(S)OCKET

SHELL SIZE/INSERT ARRANGEMENT

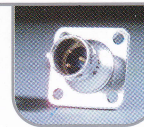
(See Available Layouts)



9601



9606



9616

MODIFICATION CODES

CODE	DESCRIPTION / TYPE
003	90 DEGREE END BELL FOR WIRE BUNDLE / RT
004	POTTING BOOT SUPPLIED / RT, RTS
006	HEAVY GOLD CONTACTS / RT
010	CLAMP, BUSHING / RT
023	OLIVE DRAB PLATING / RT, RTS
035	EPOXY BACKFILL / RT
045	ALUMALITE FINISH / RT
057	NICKEL FINISH; SHELL & CONTACTS / RT

CODE	DESCRIPTION / TYPE
215	CONDUIT ADAPTER / RT
295	SUPPLIED W/STEP UP CONDUIT ADAPTER / RT
296	SUPPLIED W/STANDARD CONDUIT ADAPTER / RT
313	SUPPLIED W/STEP UP CONDUIT ADAPTER & LARGE END BELL / RT

* ALL RTS CRIMP STYLE INSERTS ARE OIL RESISTANT.

PERFORMANCE

All Parts Designed, Manufactured and Tested to meet the following specs:

Air Leakage: Less than 1 cu. in/hr @ 30 psi diff.

Altitude: 750 volts (rms) 60 cps @ 50,000 ft.

Corrosion: 48 hrs salt spray per Mil-STD-202A.

Contact Spacing: Minimum contact spacing (center to center).
[#20 - .130] / [#16 - .168] / [#12 - .205]

Current: #20 contact - 7.5 amps / #16 contact - 25 amps / #12 contact - 40 amps.

Durability: 500 cycles of engagement without defects.

Humidity: Per SAE AS81703.

Insulation Resistance: Greater than 5,000 megohms @ 75°F.

Temperature Rating: -55°C to 125°C +/-3°C.

CROSS REFERENCE/REPLACEMENT

RTI	DEUTSCH	MIL C 81703	Description
RT9601	DM9601	MS3134	Jam Nut Receptacle
RT9606	DM9606	MS3130	Wall Mount
RT9606N	DM9606	MS3132	Box MNT w/o Grommet
RT9609	DM9609	n/a	In Line Receptacle
RT9613	DM9613	n/a	Special Purpose Receptacle
RT9616	DM9616	n/a	Box MNT/No Back

* "The Deutsch Co." & "Robert Technologies, Inc." share no affiliation; for cross reference only.
** For dimensional reference.

PART IDENTIFICATION

RT 9700 3 S * ***

SERIES

MIL C 81703 Compatible
Solder Contacts

SHELL STYLE

- 9700 — Straight Plug
- 9702 — Straight Plug w/Clamp
- 9703 — Straight Plug, OD
- 9718 — Double Knurled Straight Plug
- 9728 — Double Knurled Straight Plug w/Clamp

MODIFICATION CODE

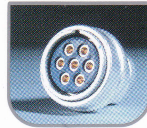
ALTERNATE ROTATIONS

(Consult Dealer)

(P)IN/(S)OCKET

SHELL SIZE/INSERT ARRANGEMENT

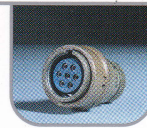
(See Available Layouts)



9700



9702



9703

MODIFICATION CODES

CODE	DESCRIPTION / TYPE
003	90 DEGREE END BELL FOR WIRE BUNDLE / RT
004	POTTING BOOT SUPPLIED / RT, RTS
006	HEAVY GOLD CONTACTS / RT
010	CLAMP, BUSHING / RT
023	OLIVE DRAB PLATING / RT, RTS
035	EPOXY BACKFILL / RT
045	ALUMALITE FINISH / RT
057	NICKEL FINISH; SHELL & CONTACTS / RT

CODE	DESCRIPTION / TYPE
215	CONDUIT ADAPTER / RT
295	SUPPLIED W/STEP UP CONDUIT ADAPTER / RT
296	SUPPLIED W/STANDARD CONDUIT ADAPTER / RT
313	SUPPLIED W/STEP UP CONDUIT ADAPTER & LARGE END BELL / RT

* ALL RTS CRIMP STYLE INSERTS ARE OIL RESISTANT.

PERFORMANCE

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Corrosion: 48 hrs salt spray per Mil-STD-202A.

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Current: #20 contact - 7.5 amps / #16 contact - 25 amps / #12 contact - 40 amps.

Durability: 500 cycles of engagement without defects.

Humidity: Per SAE AS81703.

Insulation Resistance: Greater than 5,000 megohms @ 75°F.

Temperature Rating: -55°C to 125°C +/-3°C.

CROSS REFERENCE/ REPLACEMENT

RTI	DEUTSCH*	MIL C 81703**	Description
RT9702	DM9702	MS3137	Straight Plug w/Clamp
RT9703	DM9703	(no cross)	Straight Plug w/Lanyard
RT9717	DM9717	(no cross)	Plug w/Lanyard and Clamp
RT9718	DM9718	(no cross)	Double Knurled Straight Plug
RT9720	DM9720	(no cross)	Lanyard Release Plug
RT9728	DM9728	(no cross)	Double Knurled Plug w/Clamp
RT9730	14946	MS3138	Plug w/Heavy Lanyard

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