

### PART IDENTIFICATION

**RTS 07 37 S \* \*\*\***

#### SERIES

MIL C 81703 Compatible  
Removable Crimp

#### MODIFICATION CODE

#### SHELL STYLE

- 00 — Box Mount Receptacle
- 01 — In-Line Receptacle
- 04 — Jam Nut Mount Receptacle
- 07 — Straight Plug
- 08 — Straight Plug, HD Lanyard
- 09 — Rack and Panel

#### ALTERNATE ROTATIONS

(Consult Dealer)

#### (P)IN/(S)OCKET

#### SHELL SIZE/INSERT ARRANGEMENT

(See Available Layouts)



RTS-00



RTS-01



RTS-04



RTS-08

### MODIFICATION CODES

CODE	DESCRIPTION / TYPE
004	POTTING BOOT SUPPLIED / RT, RTS
023	OLIVE DRAB PLATING / RT, RTS
025	LANYARD RELEASE / RTS
072	CONDUIT ADAPTER, LESS CLAMP / RTS
081	90 DEGREE END BELL / RTS
090	SUPPLIED LESS CONTACTS / RTS
095	CLAMP W/HEAVY GOLD CONTACTS / RTS

CODE	DESCRIPTION / TYPE
290	WATERTIGHT 90 DEGREE END BELL, OLIVE DRAB PLATING / RTS
293	CLAMP W/OLIVE DRAB PLATING / RTS
369	OLIVE DRAB PLATING & POTTING BOOT / RTS
411	CABLE CLAMP & ADAPTER / RTS
598	GOLD PLATED SHELL W/CLAMP
6043	STAINLESS STEEL SHELL, OLIVE DRAB / RTS
6044	STAINLESS STEEL SHELL, WIRE SEAL / RTS

\* ALL RTS CRIMP STYLE INSERTS ARE SKYDROL RESISTANT.

### PERFORMANCE

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

- Air Leakage:** Less than 1 cu. in/hr per @ 30 psi diff.
- Altitude:** 1250 volts (rms) 60 cps @ 50,000 ft. (mated)
- Corrosion:** Meets requirements of Mil-STD-202A, Method 101, Condition B.
- Contact Spacing:** Minimum contact spacing (center to center): #20 - .130 / #16 - .168 / #12 - .205
- Contact Retention:** Withstand 25 lbs minimum, in either direction.
- Current:** #20 contact - 7.5 amps / #16 contact - 25 amps / #12 contact - 40 amps.
- Durability:** 500 cycles of engagement without defects.
- Humidity:** Meets requirements for Mil-E-5272 procedures I & III.
- Insulation Resistance:** 50,000 megohms minimum at 75°F.
- Temperature Rating:** Operating temperatures from -67°F to over 300°F.

### CROSS REFERENCE/REPLACEMENT

RTI	DEUTSCH*	MIL C 81703**	Description
RTS00	DS00	MS3140	Wall Mount Receptacle
RTS01	17064	(no cross)	In Line Receptacle
RTS04	DS04	MS3144	Jam Nut Receptacle
RTS07	DS07	MS3147	Straight Plug
RTS08	17942	MS3148	HD Lanyard Release Plug
RTS09	DS09	(no cross)	
RTS07-025	DS07-- 025	(no cross)	Lanyard Release Plug

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

\*\* For dimensional reference.