



—	N/C INITIAL RELEASE, DCO* 3247	6-11-85	Z. TEMAN
A	REVISED PER ECN# T-18303	94/4/12	A. H. H. H.

**CONTACT CHARACTERISTICS**

**MATERIALS:**

- A. CONTACTS: INNER-COPPER ALLOY, GOLD PLATED PER MIL-G-45204 OVER NICKEL UNDERPLATE  
OUTER-COPPER ALLOY, SELECTIVELY GOLD PLATED PER MIL-G-45204 AND TIN PLATED PER MIL-T-10727 OVER NICKEL UNDERPLATE.
- B. SOLDER: SN 63 PER QQ-S-571
- C. TUBING: POLYVINYLIDENE FLUORIDE
- D. DIELECTRIC: FLUOROPOLYMER

**PERFORMANCE:**

- A. MAXIMUM OPERATING TEMPERATURE: 125° C.
- B. HIGH POTENTIAL, RATED, SEA LEVEL: 600 VRMS AT 60 Hz.
- C. CURRENT RATING: 3 AMPS MAX.
- D. INSULATION RESISTANCE: 5 GIGAOHMS MIN.
- E. CONTACT RESISTANCE: 12 MILLIOHMS MAX.
- F. CONTACT RETENTION IN CONNECTOR: 18 LBS. (8.1 KILOGRAMS) MIN.
- G. ENGAGEMENT FORCE, INNER SOCKET: 8.0 OZ. (224 GRAMS) MAX.  
[.025 (0,635) DIA. PIN]
- SEPARATION FORCE, INNER SOCKET: 0.5 OZ. (14 GRAMS) MIN.  
[.023 (0,584) DIA. PIN]

**NOTES**

1. THIS CONTACT IS DESIGNED TO TERMINATE TO THE CABLES IN THE FOLLOWING TABLE:

RG CABLE NO.	RAYCHEM CABLE NO.
RG-174 U	5024A IXIX
RG-178 B/U	5028A IXIX
RG-179 B/U	5030A IXIX
RG-316 U	7528 A IXIX
	7530 A IXIX
	9532 A IXIX

OTHER APPLICATIONS SHOULD BE SUBMITTED TO RAYCHEM FOR EVALUATION.

- 2. FOR TERMINATION PROCEDURE SEE ES 61170
  - 3. MATING CONTACT (FOR SIMILAR CABLES): D-602-0279
- ⚠ THIS CONTACT IS DESIGNED TO BE USED IN THE CAVITY DETAILED ABOVE.

**SPECIFICATION CONTROL DRAWING**

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES BRACKETED DIMENSIONS ( ) ARE METRIC AND TOLERANCES ARE: XXX: ± ( ) XX: ± ( ) Δ: ±	DRAWN	CERDAN 3-12-85	Tyco Electronics Corporation 300 Constitutional Drive Menlo Park, CA 94025 USA  
	CHECKED		
	APPROVED	7.45 6.11.85	
	APPROVED		TITLE
	APPROVED		SUBMINIATURE COAX CONTACT PIN
			SIZE
			CODE 10ENT
			DWG. NO.
			D-602-0278
			WEIGHT
			SHEET 1 OF 1

DO NOT SCALE THIS DRAWING