

**NOTES:**

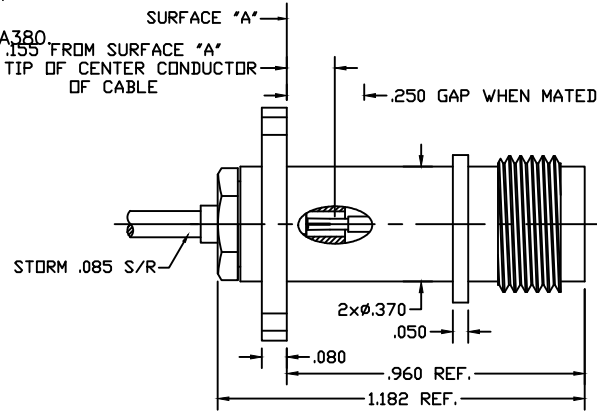
47-031-1587-01

**Materials:** SST. corrosion-resistant, Non Magnetic 303, per ASTM A484 and A582. Beryllium Copper per ASTM-B-196, QQ-C-530  
PTFE Fluorocarbon per ASTM-D-1710 Type 1

**Finish:** Center Conductors and solder components shall be plated per MIL-G-45204 Type II, Class 1 over Nickel plate per QQ-N-290.  
Body and Body components shall be passivated per ASTM A380

**Frequency:** DC-18 GHz  
**VSWR:** 1.15 TO 18 GHz  
**Insertion Loss:** .05  $\sqrt{\text{Frequency}}$

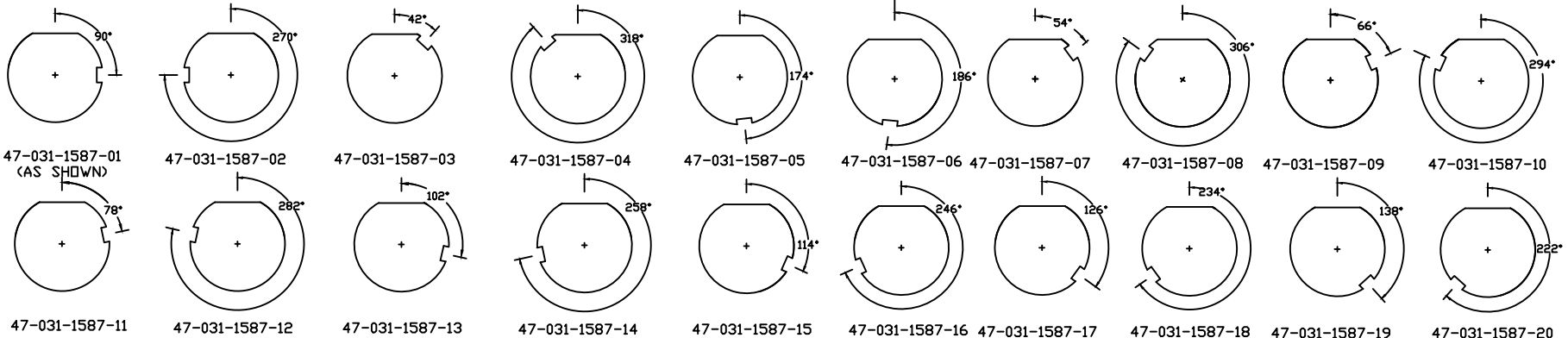
**Contact Captivation:** Fully Captivated Contact



KEYING ORIENTATION IS INDEPENDENT OF SQUARE FLANGE ORIENTATION

KEYED TNC 18 GHz CONNECTORS MEET OR EXCEED PTNC AND MIL-C-39012 PARAMETERS AND WILL MATE WITH ANY TNC CONNECTOR. AN ADDITIONAL CLEARANCE LENGTH MUST BE ADDED TO JACKS FOR EXTENDED COUPLING NUT.

WHEN ORDERING THE MATING KEYED TNC CONNECTOR THE LAST 2 DIGITS MUST MATCH TO OBTAIN PROPER KEY COMBINATIONS. I.E 47-XXX-XXXX-02(JACK) MATES WITH 46-XXX-XXXX-02(PLUG)



LTR	DESCRIPTION	DATE	APPR.	DRAWN <b>LMW</b>	CHECKED	USED ON	SRI CONNECTOR GAGE CO. 3950 DOW ROAD MELBOURNE FL 32934			
-	REL	06/03		APPR.	SCALE	47-031-1587-01				
A	ECN# 1816	07/03		UNLESS OTHERWISE SPECIFIED: 1. REMOVE ALL BURRS 2. BREAK ALL CORNERS & EDGES .005 R. MAX 3. CHAMFER 1st & LAST THREADS 45° 4. SURFACE FINISHED 32/ UNLESS OTHERWISE SPECIFIED. 5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN .002 T.I.R. 6. ALL DIMENSIONS ARE AFTER PLATING.		MATERIAL	TITLE KEYED TNC 18GHz JACK TO STORM .085S/R CABLE			
B	added options	09/09				FINISH				
				DIMENSIONS ARE IN INCHES TOLERANCES		SIZE	FSCM NO.	SHEET	DWG. NO.	
				DECIMALS	FRACTIONAL	ANGULAR	A	OHMO1	1	47-031-1587-01
				.X ±.030		.X° ±1°0'				
				.XX ±.010	± 1/64	.X°X' ±15'				
				.XXX ±.005						