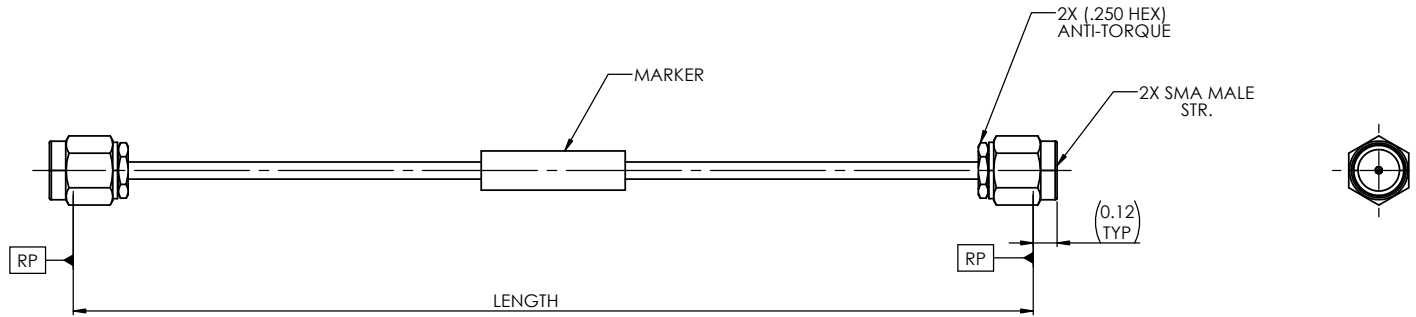


REVISION HISTORY				
ECO	REV.	DESCRIPTION	DRAWN BY	DATE
205240	-	INITIAL RELEASE	MA	01.23.26



- NOTE(S):
- ① "XX" IN PART NO SPECIFIES CABLE LENGTH. SEE SHEET 2 FOR STANDARD LENGTHS.
 - ② NO MARKER IS REQUIRED FOR CABLE ASSEMBLY LESS THAN 4.0"

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIROMENTAL(S):
<u>SMA STR. connector:</u> Body & Nut : 303 SST per ASTM A582 Contact: BeCu per ASTM B196 Retaining Ring: BeCu per ASTM B197 or B196 Insulator: PTFE Teflon per ASTM D1710 Gasket: Silicone per A-A-59588 Cable: Ø.086 semi flex Marker: M23053/5-103-8	Impedance: 50 Ohms Nominal Frequency Range: DC to 18 GHz VSWR: 1.30:1 DC to 18 GHz Insertion Loss: See table	Mating Characteristics: SMA Interface per MIL-STD-348 Force to Engage: SMA: 2In-lbs max Connector Durability: SMA: 500 Cycles @ 12 cycles/min. max Coupling Proof Torque: SMA: 15 in-lb min. Coupling Mech. Retention: SMA: 60 lbs min.	Temperature Range: -50°C to +105°C Thermal Shock: MIL-STD-202, Method 107, Test Condition B Moisture Resistance: MIL-STD-202, Method 106, Insulation resistance at least 200 MegaOhms within 5 minutes after removal from humidity. Corrosion: MIL-STD-202, Method 101, Test Condition B Vibration: MIL-STD-202, Method 204, Test Condition D Shock: MIL-STD-202, Method 213, Test Condition I

FINISH(ES):	TOLERANCES AND NOTES	APPROVAL	INITIALS	DATE	MATERIAL	SPECIFICATION	PROCUREMENT
<u>SMA STR. connector:</u> Body, Contact: Gold plate per ASTM B488 over Nickel plate per SAE AMS-QQ-N-290 Nut: Passivate per AMS 2700	EXCEPT AS NOTED DIMENSIONS ARE IN INCHES. LINEAR .XX ± .015 / .XXX ± .005 FRACTION ± 1/32 ANGULAR ± 1/2° 1. INTERPRET DRAWING PER ASME Y14.5 - 2018 2. MACHINE FINISH: 63 RMS 3. BREAK ALL SHARP EDGES .003 MAX. 4. MACHINED FILLETS .005 MAX. 5. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH. 6. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R. 7. DIMENSIONS TO BE MET AFTER PLATING. 8. CHAMFER ALL THREADS 45°. 9. THREADS PER H-28 10. REMOVE FRAYED EDGES ON TEFLON. 11. REMOVE ALL BURRS.	MA	MA	01.23.26			
APPLICABLE Amphenol CDI DOCUMENTS		Amphenol CDI		12900 Alondra Blvd. Cerritos, CA 90703			
WORK STANDARD: NA PROD INSTRUC: NA ASSY INSTRUC: NA		TITLE: SMA MALE TO SMA MALE R/A ON 600 CABLE		SCALE: 2:1 SUB-DIRECTORY/OUTLINE SHEET 1 OF 2			
THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO AMPHENOL AND SHALL IN NO WAY BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OR USED FOR ANY DESIGN OR MANUFACTURE EXCEPT WHEN SUCH USER POSSESSES DIRECT, WRITTEN AUTHORIZATION FROM AMPHENOL.		DESIGN ENG: DNg MFG ENG: - ECO APPRV: DNg		SIZE: C CAGE CODE: 30990 DRAWING NO.: OL_1363660052XX REV.: -			

CABLE PART NUMBER	LENGTH inch (mm) ±0.25(6.35)		INSERTION LOSS dB max
136366005202	2.00	(50.8)	0.40
136366005203	3.00	(76.2)	0.50
136366005204	4.00	(101.6)	0.60
136366005205	5.00	(127)	0.69
136366005206	6.00	(152.4)	0.79
136366005207	7.00	(177.8)	0.89
136366005208	8.00	(203.2)	0.98

SCALE 2:1	SUB-DIRECTORY/ OUTLINE		SHEET 2	OF 2
SIZE C	CAGE CODE 30990	DRAWING NO. OL_1363660052XX	REV. -	