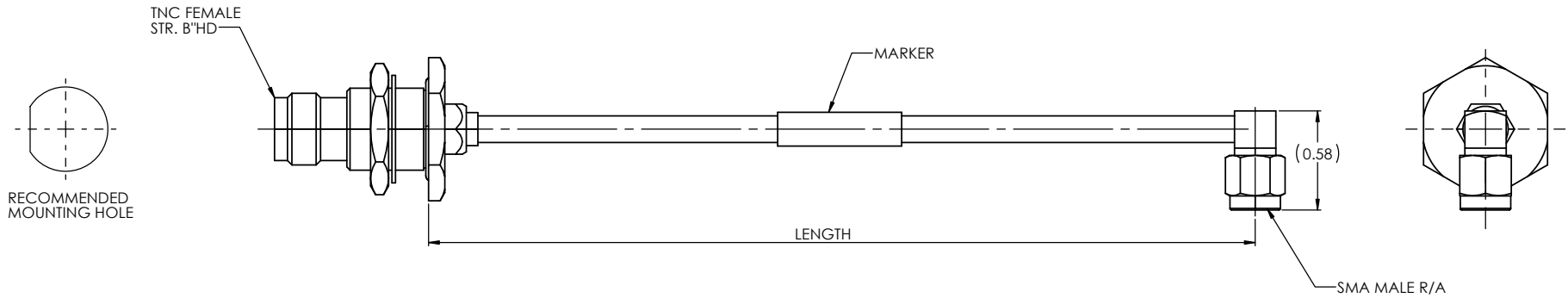


REVISION HISTORY				
ECO	REV.	DESCRIPTION	DRAWN BY	DATE
205240	-	INITIAL RELEASE	MA	01.19.26



NOTE(S):

① "XX" IN PART NO SPECIFIES CABLE LENGTH. SEE SHEET 2 FOR STANDARD LENGTHS.

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIROMENTAL(S):
<p><u>TNC connector:</u> Body: Brass per ASTM B16. Nut: 303 SST per ASTM A582 Washer: Phosphor Bronze per ASTM B139. Contact: BeCu per ASTM B196 Insulator: PTFE per ASTM D1710</p> <p><u>SMA R/A 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</p> <p>Cable: Ø.141 semi flex Marker: M23053/5-105-8</p>	<p>Impedance: 50 Ohms Nominal Frequency Range: DC to 18 GHz VSWR: 1.55:1 DC to 18 GHz Insertion Loss: See table</p>	<p>Mating Characteristics: TNC Interface per MIL-STD-348 SMA Interface per MIL-STD-348</p> <p>Force to Engage: TNC: 2In-lbs max SMA: 2In-lbs max</p> <p>Connector Durability: TNC: 500 Cycles @ 12 cycles/min. max SMA: 500 Cycles @ 12 cycles/min. max</p> <p>Coupling Proof Torque: SMA: 15 in-lb min.</p> <p>Coupling Mech. Retention: SMA: 60 lbs min.</p>	<p>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</p>

FINISH(ES):			TOLERANCES AND NOTES		APPROVAL		SPECIFICATION		PROCUREMENT																							
<p><u>TNC connector:</u> Body, Nut & Washer: Nickle plate per SAE AMS-QQ-N-290 Contact: Gold plate per ASTM B488 over Nickel plate per SAE AMS-QQ-N-290</p> <p><u>SMA R/A connector:</u> Body, Contact: Gold plate per ASTM B488 over Nickel plate per SAE AMS-QQ-N-290 Nut: Passivate per AMS 2700</p>			<p>EXCEPT AS NOTED DIMENSIONS ARE IN INCHES. LINEAR .XX ±.015 / .XXX ±.005 FRACTION ± 1/32 ANGULAR ± 1/2°</p> <p>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 1-28 10. REMOVE FRAYED EDGES ON TEFLON. 11. REMOVE ALL BURRS.</p>		<table border="1"> <thead> <tr> <th>APPROVAL</th> <th>INITIALS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN BY</td> <td>MA</td> <td>01.19.26</td> </tr> <tr> <td>CHECKED BY</td> <td>-</td> <td>-</td> </tr> <tr> <td>TEST ENG</td> <td>-</td> <td>-</td> </tr> <tr> <td>QUALITY</td> <td>-</td> <td>-</td> </tr> <tr> <td>DESIGN ENG</td> <td>DNg</td> <td>01.29.26</td> </tr> <tr> <td>MFG ENG</td> <td>-</td> <td>-</td> </tr> <tr> <td>ECO APPRV</td> <td>DNg</td> <td>01.29.26</td> </tr> </tbody> </table>		APPROVAL	INITIALS	DATE	DRAWN BY	MA	01.19.26	CHECKED BY	-	-	TEST ENG	-	-	QUALITY	-	-	DESIGN ENG	DNg	01.29.26	MFG ENG	-	-	ECO APPRV	DNg	01.29.26	<p>Amphenol 12900 Alondra Blvd. Cerritos, CA 90703</p> <p>TITLE: TNC BULK'HD JACK TO SMA R/A ON 601 CABLE</p> <p>SCALE: 2:1 SUB-DIRECTORY/ OUTLINE SHEET 1 OF 2</p> <p>SIZE: C CAGE CODE: 30990 DRAWING NO.: OL_1343760132XX REV.: -</p>	
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CABLE PART NUMBER	LENGTH inch (mm)		INSERTION LOSS dB max
134376013205	5.00±0.05	(127±1.27)	0.86
134376013206	6.00±0.05	(152.4±1.27)	0.92
134376013207	7.00±0.10	(177.8±2.54)	0.98
134376013208	8.00±0.10	(203.2±2.54)	1.04
134376013209	9.00±0.10	(228.6±2.54)	1.10
134376013220	20.00±0.20	(508±5.08)	1.77
134376013222	22.00±0.20	(558.8±5.08)	1.89
134376013224	24.00±0.24	(609.6±6.096)	2.01

SCALE 2:1	SUB-DIRECTORY/ OUTLINE		SHEET 2 OF 2
SIZE C	CAGE CODE 30990	DRAWING NO. OL_1343760132XX	REV. -

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