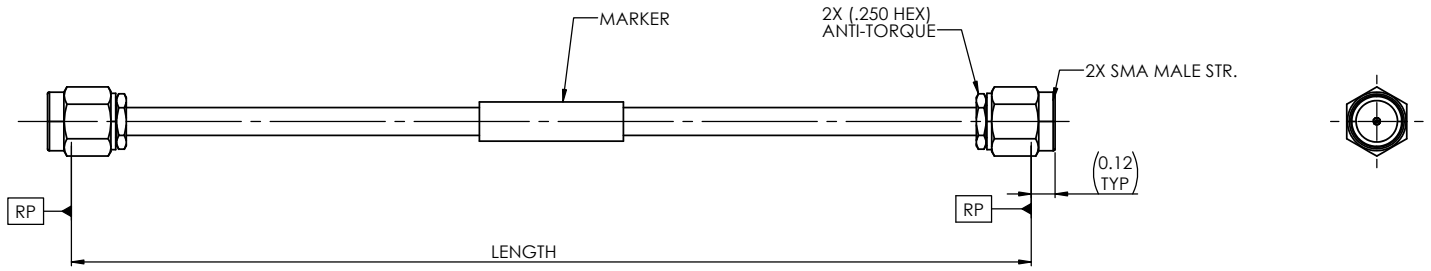
REVISION HISTORY				
ECO	REV.	DESCRIPTION	DRAWN BY	DATE
205240	-	INITIAL RELEASE	MA	01.26.26



NOTE(S):

1. "XX" IN PART NO SPECIFIES CABLE LENGTH. SEE SHEET 2 FOR STANDARD LENGTHS.
2. NO MARKER IS REQUIRED FOR 6.0" OR LESS

MATERIAL(S):

SMA STR. connector:
- 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.141 Semi Flex

Marker: M23053/5-105-8

ELECTRICAL(S):

Impedance: 50 Ohms Nominal
Frequency Range: DC to 18 GHz
VSWR: 1.30:1 DC to 18 GHz
Insertion Loss: See table

MECHANICAL(S):

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.

ENVIROMENTAL(S):

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):

SMA STR. connector:
Body, Contact: Gold plate per ASTM B488 over Nickel plate per SAE AMS-QQ-N-290
Nut: Passivate per AMS 2700

APPLICABLE Amphenol CDI DOCUMENTS

WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA

TOLERANCES AND NOTES
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.

MATERIAL		
APPROVAL	INITIALS	DATE
DRAWN BY	MA	01.26.26
CHECKED BY	-	-
TEST ENG	-	-
QUALITY	-	-
DESIGN ENG	DNg	01.30.26
MFG ENG	-	-
ECO APPRV	DNg	01.30.26

SPECIFICATION	PROCUREMENT
-	-

Amphenol CDI
12900 Alondra Blvd.
Cerritos, CA 90703

TITLE: SMA MALE TO SMA MALE STR. ON 601 CABLE

SCALE	SUB-DIRECTORY/	SHEET
2:1	OUTLINE	1 OF 2

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	OL_1363660152XX	-

CABLE PART NUMBER	LENGTH inch (mm)		INSERTION LOSS dB max
136366015204	4.00 ±0.05	(101.6 ±1.27)	0.45
136366015205	5.00 ±0.10	(127.0 ±2.54)	0.51
136366015206	6.00 ±0.10	(152.4 ±2.54)	0.57
136366015208	8.00 ±0.10	(203.2 ±2.54)	0.69
136366015209	9.00 ±0.10	(228.6 ±2.54)	0.75
136366015210	10.00 ±0.10	(254.0 ±2.54)	0.82
136366015212	12.00 ±0.15	(304.8 ±2.54)	0.94

SCALE	SUB-DIRECTORY/	SHEET 2 OF 2
2:1	OUTLINE	
SIZE C	CAGE CODE 30990	DRAWING NO. OL_1363660152XX REV. -