

DESIGNED AND DIMENSIONED IN MILLIMETERS[INCHES]  
ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN

DO NOT SCALE FROM THIS PRINT

**Pb** THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

RF23C-XXXX-XXXX-XXXX

CABLE CALLOUT  
23C: MWC-2350CU-01 CABLE

OVERALL ASSEMBLY LENGTH (OAL)  
XXXX (MILLIMETERS)  
(0100 MIN)  
(SEE NOTE 6)

END 1 CONNECTOR  
(SEE TABLE 2, SHT 2)

END 2 CONNECTOR  
(SEE TABLE 2, SHT 2)

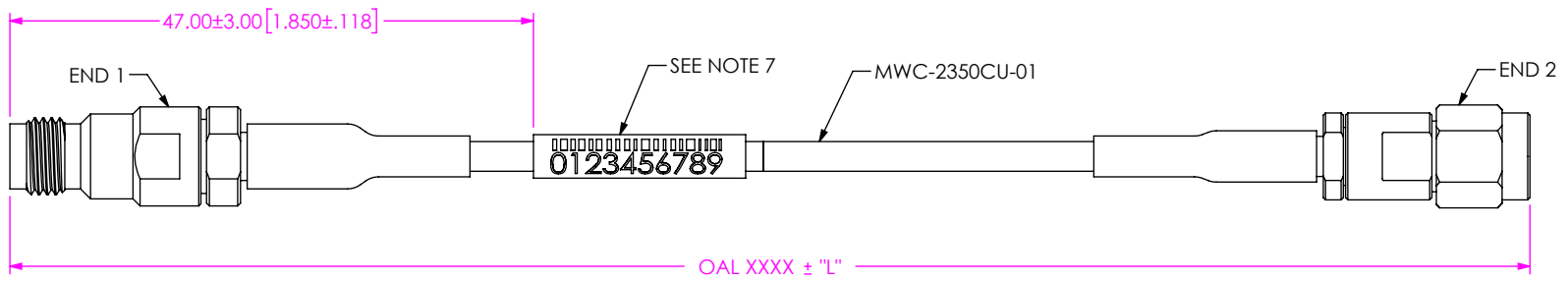


FIG 1  
RF23C-24SJ-92SP-XXXX SHOWN  
(PROTECTIVE CAPS NOT SHOWN FOR CLARITY)

TABLE 1	
OVERALL LENGTH	"L"
0100-0300 [5.98-11.81]	+5.0 [.20] / -0.0 [.00]
0301-1500 [11.85-59.01]	+12.0 [.47] / -0.0 [.00]
1501-3000 [59.09-118.11]	+25.0 [.98] / -0.0 [.00]
3001-7500 [118.15-295.28]	+50.0 [1.97] / -0.0 [.00]
7501-9999 [295.31-393.67]	+1% / -0.0 [.00]

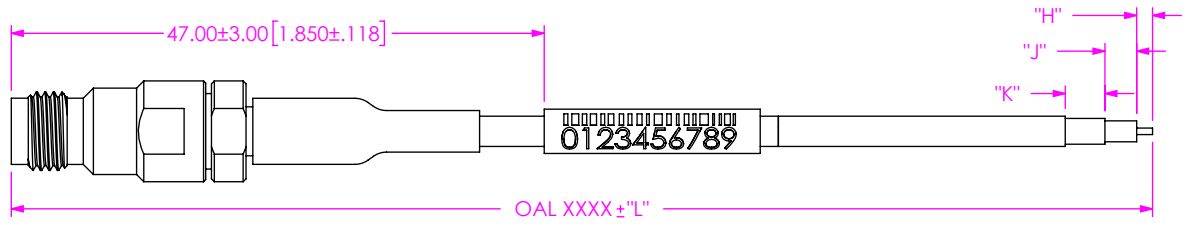


FIG 8  
RF23C-24SJ-102030-XXXX SHOWN (SEE NOTE 8 & 9)

"K" FORMAT: X.X  
"J" FORMAT: X.X  
"H" FORMAT: X.X

DO NOT LEAVE ANY SPACE BLANK,  
EACH MUST CONTAIN A  
NUMERIC CHARACTER 0 THRU 9

- NOTES:
- NOTE DELETED.
  - NOTE DELETED.
  - CONNECTORS TO BE ORIENTED ACCORDING TO CO-RF-WI-3048-M.
  - CABLE ASSEMBLY TO HAVE PROTECTIVE CAP ASSEMBLED ON EACH END AND TO BE INDIVIDUALLY PACKAGED IN ESD BAG.
  - NOTE DELETED.
  - CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA.
  - ASSEMBLY TO BE 100% TESTED FOR RETURN LOSS AND INSERTION LOSS. LABEL EACH INDIVIDUAL CABLE ASSEMBLY WITH 1 LABEL-SER-02. RETURN LOSS SPECIFICATION IS EQUAL TO THE HIGHEST END OPTION LIMIT.
  - DIM "H", "J", AND "K" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM VALUE OF 9.9mm[.39"].
  - FOR STRIPPED AND TINNED OPTION, BOTH THE CENTER CONDUCTOR IS TINNED.

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MATERIAL: DO NOT SCALE DRAWING  
CENTER CONTACTS: COPPER ALLOY SHEET SCALE: 3:2  
OUT CONTACTS:  
-M2SP/-M2SJ: COPPER ALLOY  
-24SP/-24SJ/-92SP/-92SJ: STAINLESS STEEL  
INSULATORS:  
-M2SP/-M2SJ: VIRGIN PTFE FLUOROCARBON  
-24SP/-24SJ/-92SP/-92SJ: ULTEM

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DESCRIPTION: RF23C CABLE ASSEMBLY

DWG. NO. RF23C-XXXX-XXXX-XXXX

BY: PETER D 3/7/2017 SHEET 1 OF 5

**TABLE 2**

END OPTION	SERIES	GENDER	FINISH			CONNECTOR KIT P/N (PCI P/N)	FIGURE
			CENTER CONTACT	OUTER CONTACT	CABLE BODY		
-24SP	2.40 MM	PLUG	50µ" GOLD	PASSIVATED	PASSIVATED	PRF24-P-C-EP-23C-SS (4181)	SHT 3, FIG 2
-24SJ	2.40 MM	JACK	50µ" GOLD	PASSIVATED	PASSIVATED	PRF24-J-C-EP-23C-SS (4182)	SHT 3, FIG 3
-92SP	2.92 MM	PLUG	30µ" GOLD	PASSIVATED	PASSIVATED	292-P-C-HP-ST-CU3 (N/A)	SHT 4, FIG 4
-92SJ	2.92 MM	JACK	30µ" GOLD	PASSIVATED	PASSIVATED	292-J-C-HP-ST-CU3 (N/A)	SHT 4, FIG 5
-M0SP	SMPM	PLUG, FULL DETENT	50µ" GOLD	50µ" GOLD	3µ" GOLD	PRFM0-P-C-EE-23C-SD (N/A)	SHT 5, FIG 6
-M0SJ	SMPM	JACK	50µ" GOLD	50µ" GOLD	3µ" GOLD	PRFM0-J-C-EE-23C-SD (N/A)	SHT 5, FIG 7
**SING	SINGLE ENDED	-	-	-	-	-	-
**XXXXX	STRIPPED & TINNED	-	-	-	-	-	SHT 1, FIG 8

\*\* = END 2 OPTION ONLY

**TABLE 3**

END OPTION	MAXIMUM VSWR	MAXIMUM RETURN LOSS	END OPTION INSERTION LOSS	FREQUENCY	PROTECTIVE CAP COLOR
-24SP	1.40:1	15.56 dB	0.5	DC TO 50 GHz	GREEN
-24SJ	1.40:1	15.56 dB	0.5	DC TO 50 GHz	GREEN
-92SP	1.40:1	15.56 dB	0.41	DC TO 40 GHz	YELLOW
-92SJ	1.40:1	15.56 dB	0.41	DC TO 40 GHz	YELLOW
-M0SP	1.20:1	20.83 dB	0.5	DC TO 26.5 GHz	GRAY
	1.40:1	15.56 dB		26.5 GHz TO 50 GHz	
-M0SJ	1.20:1	20.83 dB	0.5	DC TO 26.5 GHz	GRAY
	1.40:1	15.56 dB		26.5 GHz TO 50 GHz	

IL Max [dB] for cable assembly:  
 = {19.65\*SQRT(Freq[GHz])+1.16\*Freq[GHz]}\*OAL[mm]/30480+End Option IL#1{See Table 3}+End Option IL#2{See Table 3}

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DO NOT SCALE DRAWING

SHEET SCALE: 3:2

DESCRIPTION:  
 RF23C CABLE ASSEMBLY

DWG. NO.  
 RF23C-XXXX-XXXX-XXXX

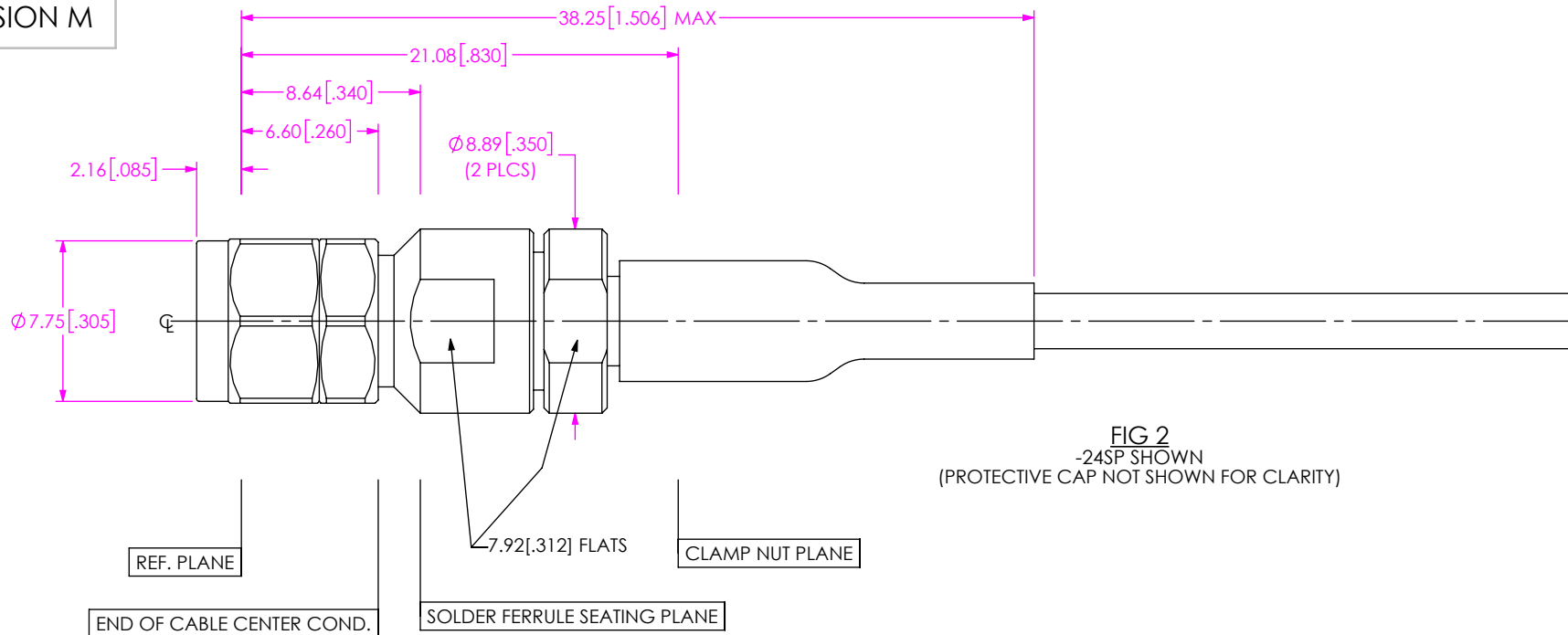


FIG 2  
-24SP SHOWN  
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

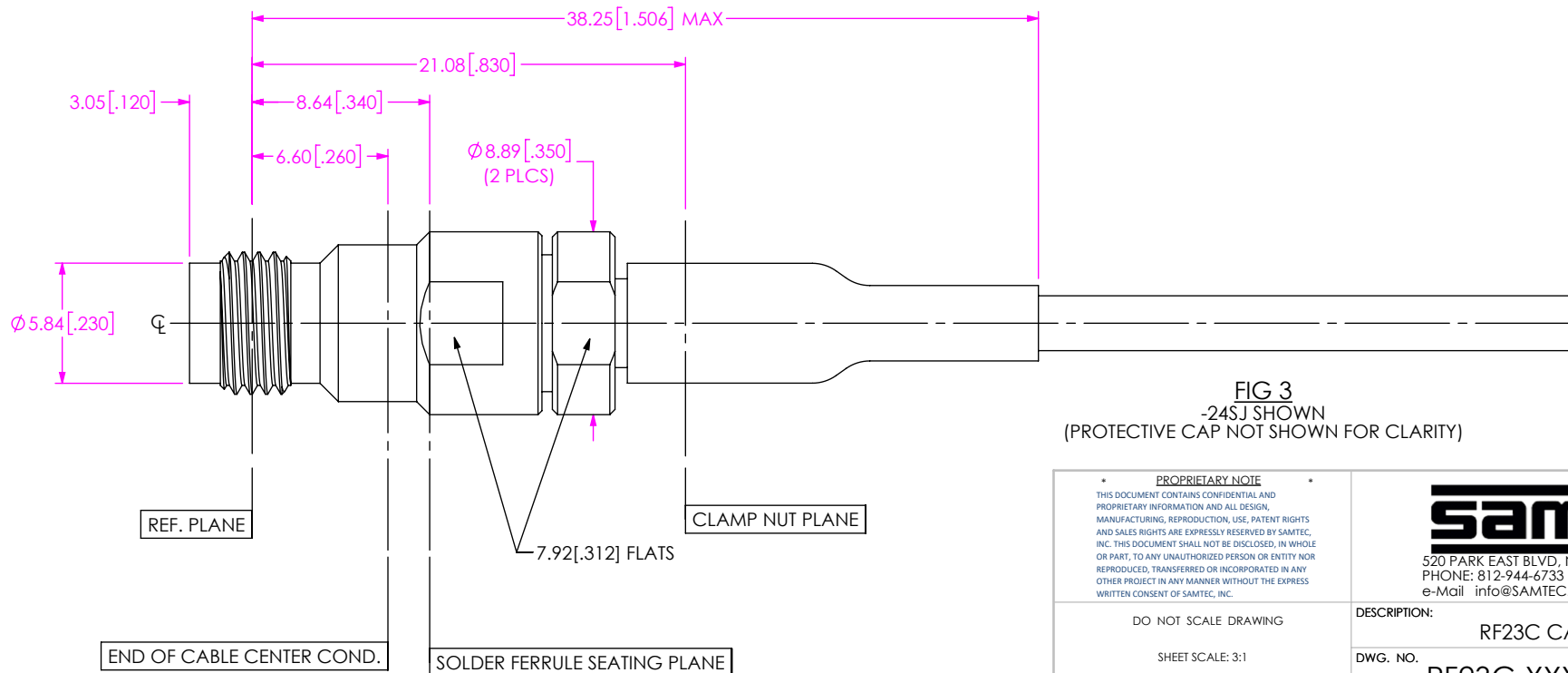


FIG 3  
-24SJ SHOWN  
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

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SHEET SCALE: 3:1

DESCRIPTION: RF23C CABLE ASSEMBLY

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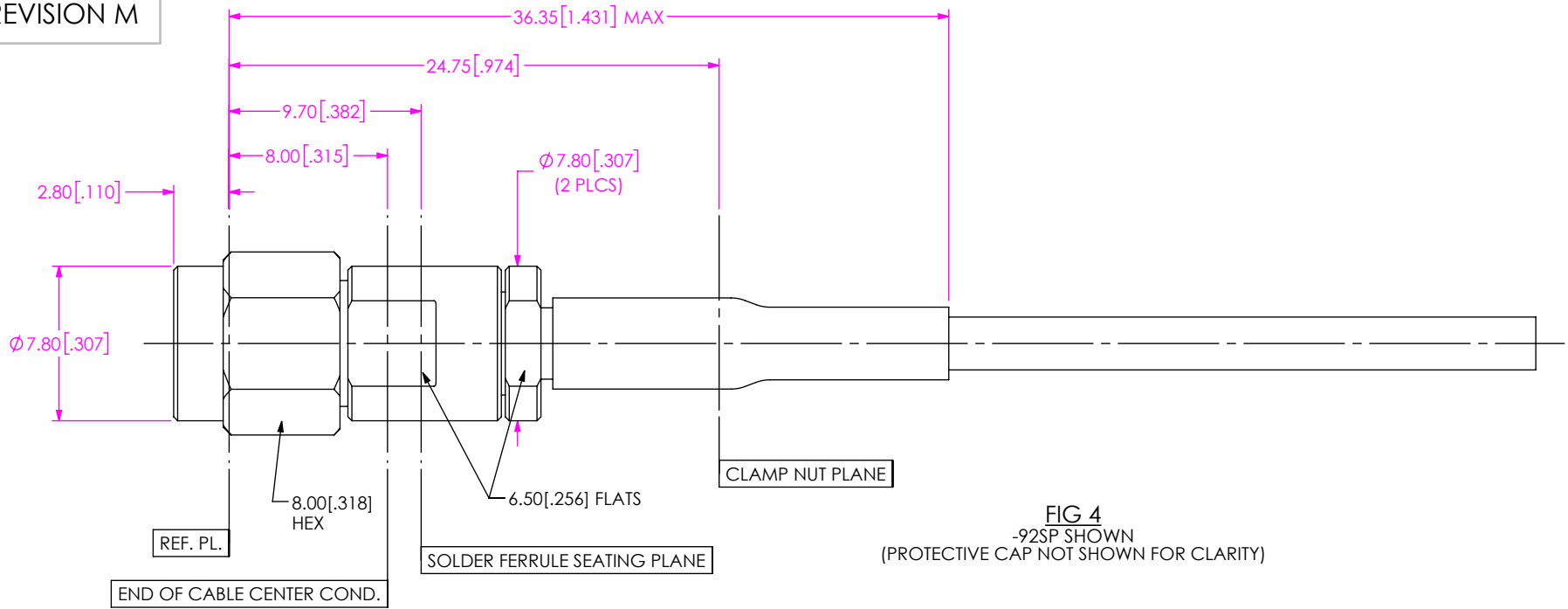


FIG 4  
-92SP SHOWN  
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

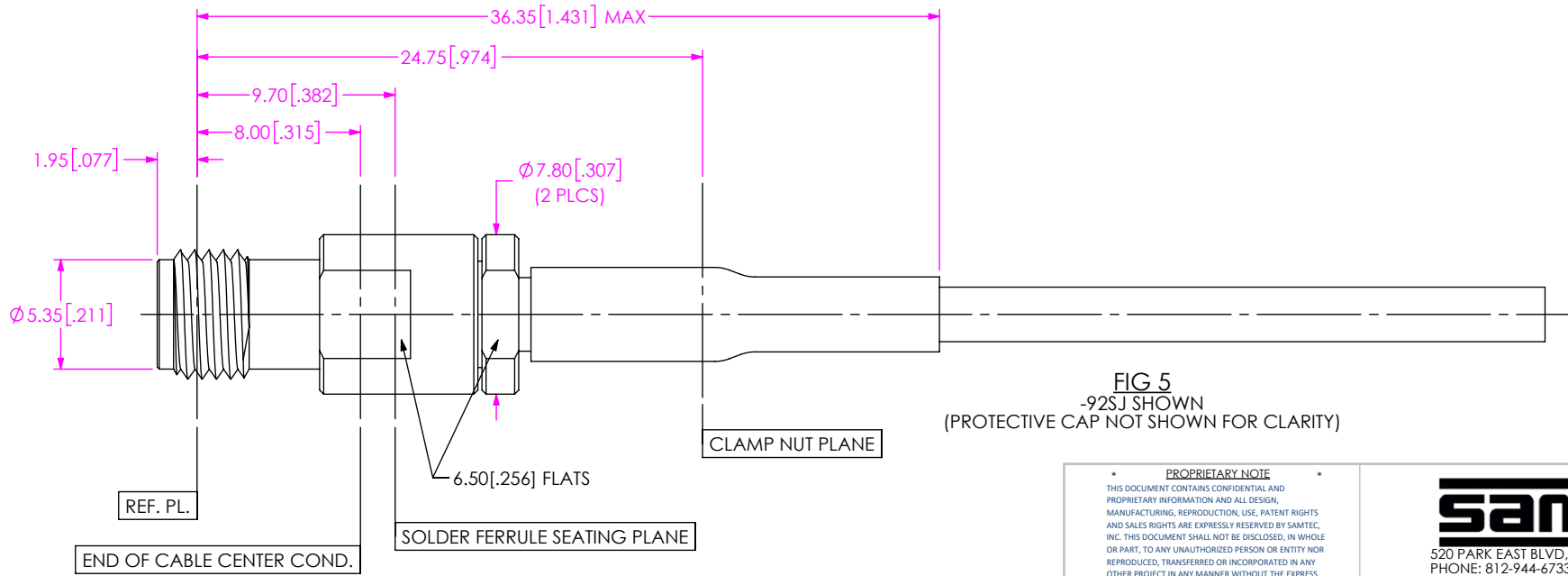


FIG 5  
-92SJ SHOWN  
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

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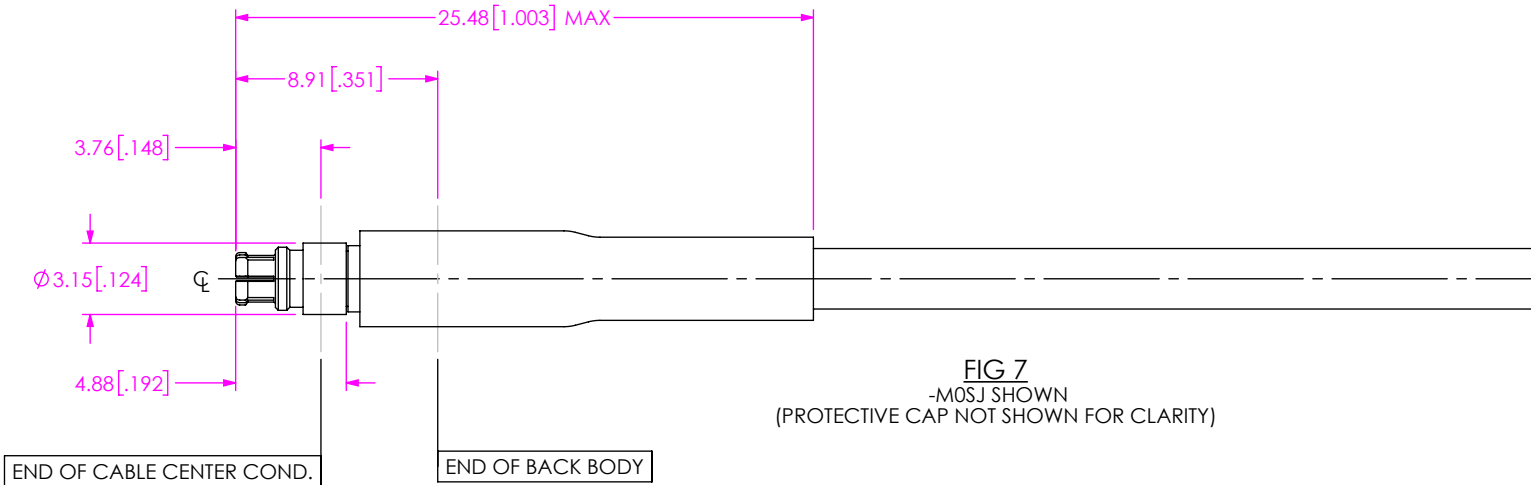
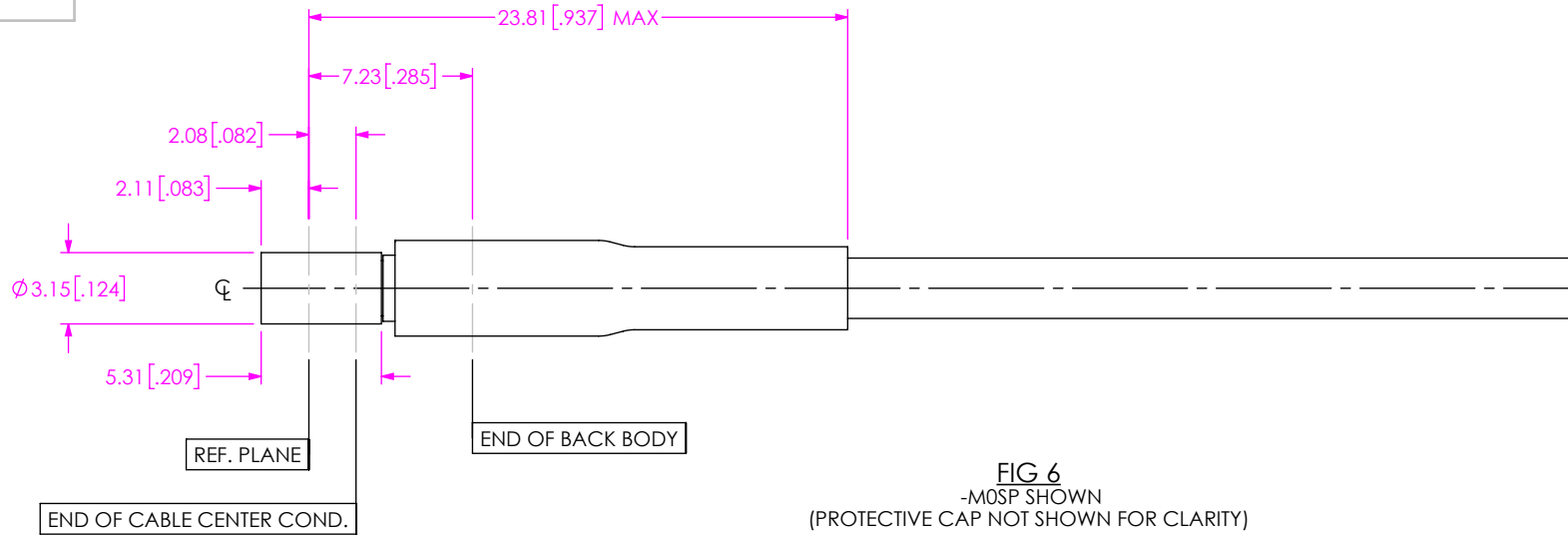
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