REVISION L

DO NOT SCALE FROM THIS PRINT

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

THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

RF23C-XXXX-XXXX-XXXX

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

END 1 CONNECTOR
(SEE TABLE 2, SHT 2)

END 2 CONNECTOR
(SEE TABLE 2, SHT 2)

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

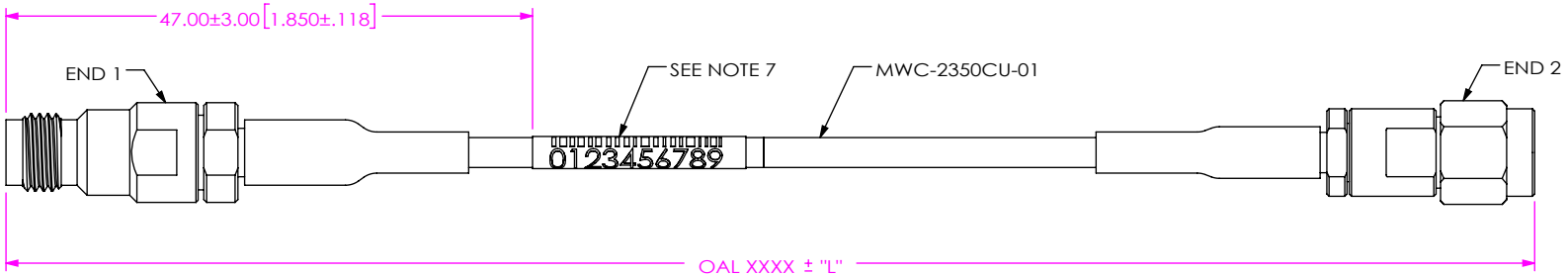


FIG 1
RF23C-24SJ-92SP-XXXX SHOWN
(PROTECTIVE CAPS NOT SHOWN FOR CLARITY)

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]

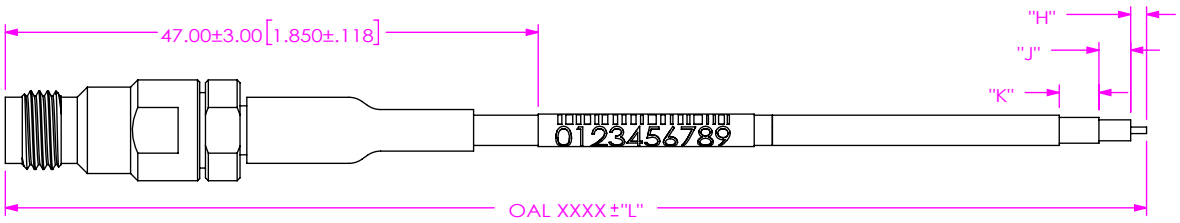


FIG 8
RF23C-24SJ-102030-XXXX SHOWN (SEE NOTE 8 & 9)

"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:

1. NOTE DELETED.
2. NOTE DELETED.
3. CONNECTORS TO BE ORIENTED ACCORDING TO CO-RF-WI-3048-M.
4. CABLE ASSEMBLY TO HAVE PROTECTIVE CAP ASSEMBLED ON EACH END AND TO BE INDIVIDUALLY PACKAGED IN ESD BAG.
5. NOTE DELETED.
6. CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA.
7. 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.
8. DIM "H", "J", AND "K" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM VALUE OF 9.9mm[.39"].
9. FOR STRIPPED AND TINNED OPTION, BOTH THE CENTER CONDUCTOR IS TINNED.

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MATERIAL:
CENTER CONTACTS: COPPER ALLOY
OUT CONTACTS:
-MOSP/-MOSJ: COPPER ALLOY
-24SP/-24SJ/-92SP/-92SJ: STAINLESS STEEL
INSULATORS:
-MOSP/-MOSJ: VIRGIN PTFE FLUOROCARBON
-24SP/-24SJ/-92SP/92SJ: ULTEM

DO NOT SCALE DRAWING
SHEET SCALE: 3:2

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samtec
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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
RF23C CABLE ASSEMBLY

DWG. NO.
RF23C-XXXX-XXXX-XXXX

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

REVISION L

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	-	-	-	-	-	-
**-XXXXXX	STRIPPED & TINNED	-	-	-	-	-	SHT 1, FIG 8

** = END 2 OPTION ONLY

* = NOT RELEASED

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	1.40:1	15.56 dB	0.5	DC TO 50 GHz	GRAY
*-M0SJ	1.40:1	15.56 dB	0.5	DC TO 50 GHz	GRAY

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}

* = NOT RELEASED

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DESCRIPTION: RF23C CABLE ASSEMBLY

DWG. NO. RF23C-XXXX-XXXX-XXXX

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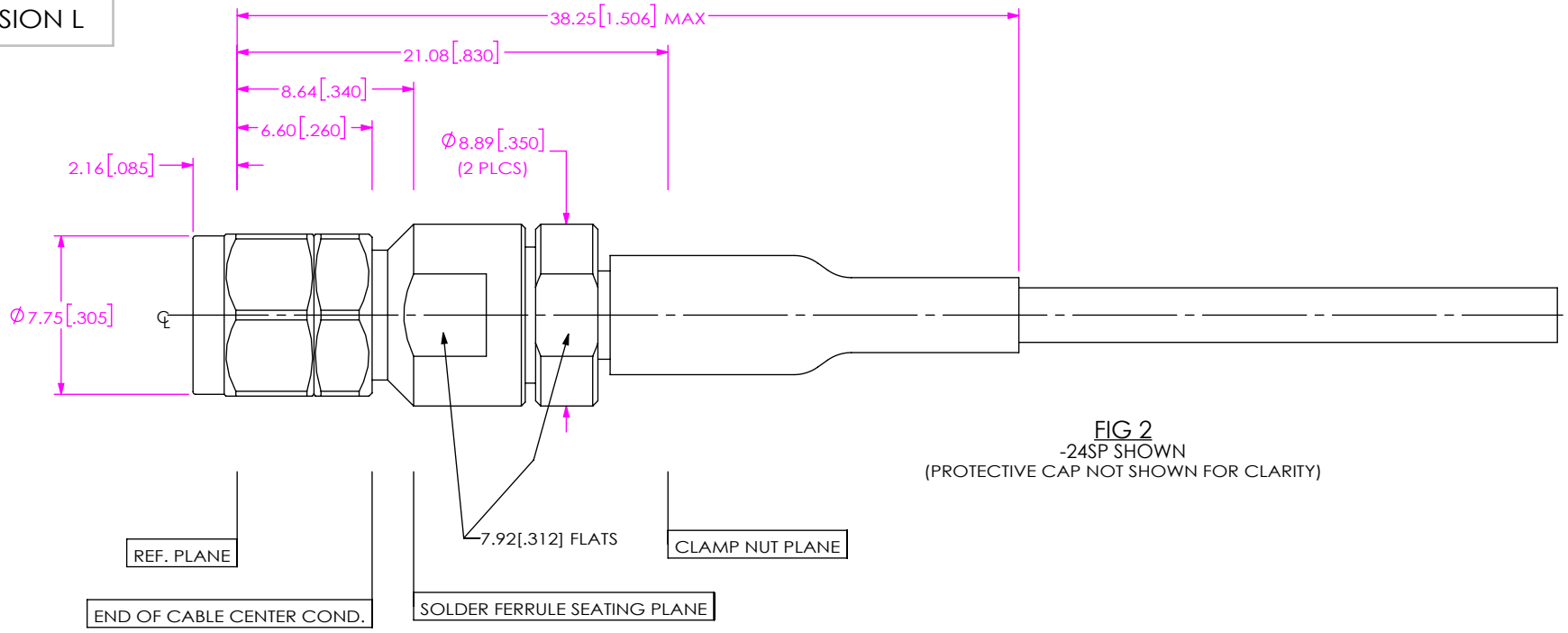


FIG 2
-24SP SHOWN
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

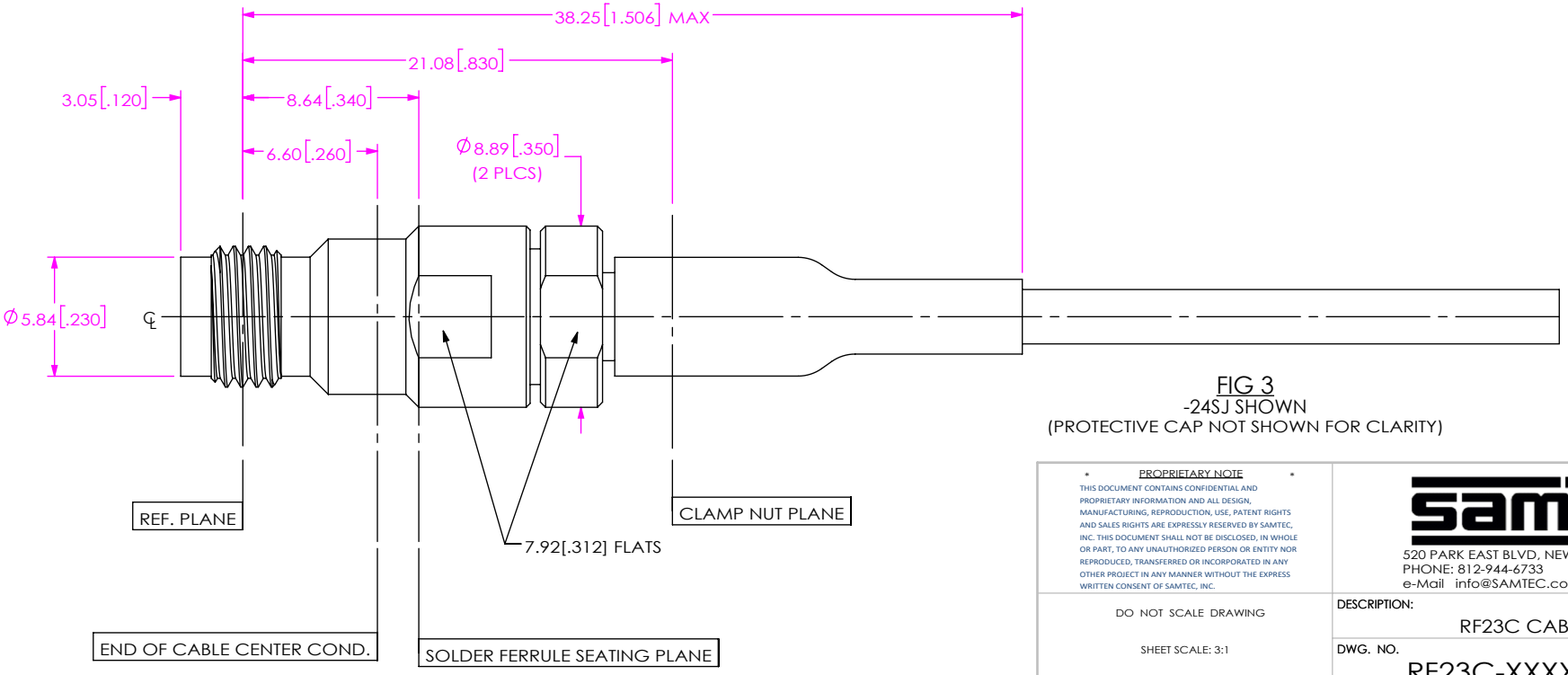


FIG 3
-24SJ SHOWN
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

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SHEET SCALE: 3:1

DESCRIPTION: RF23C CABLE ASSEMBLY

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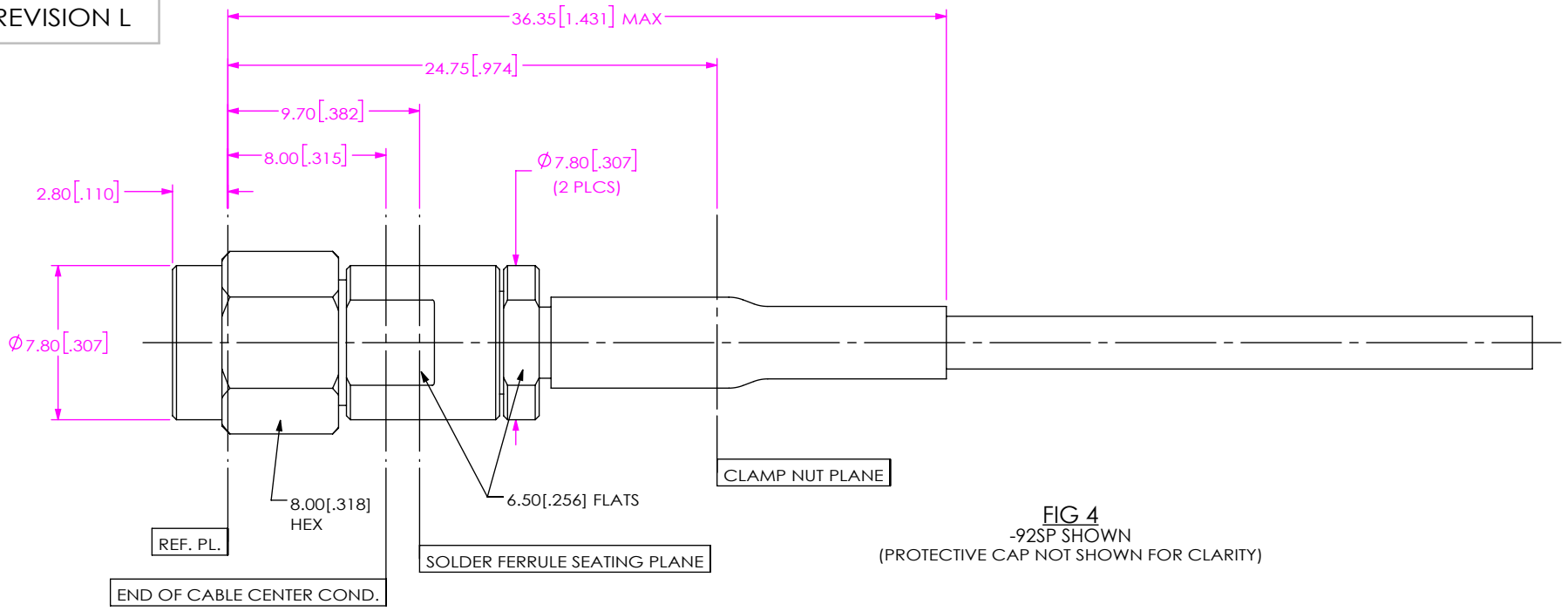


FIG 4
-92SP SHOWN
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

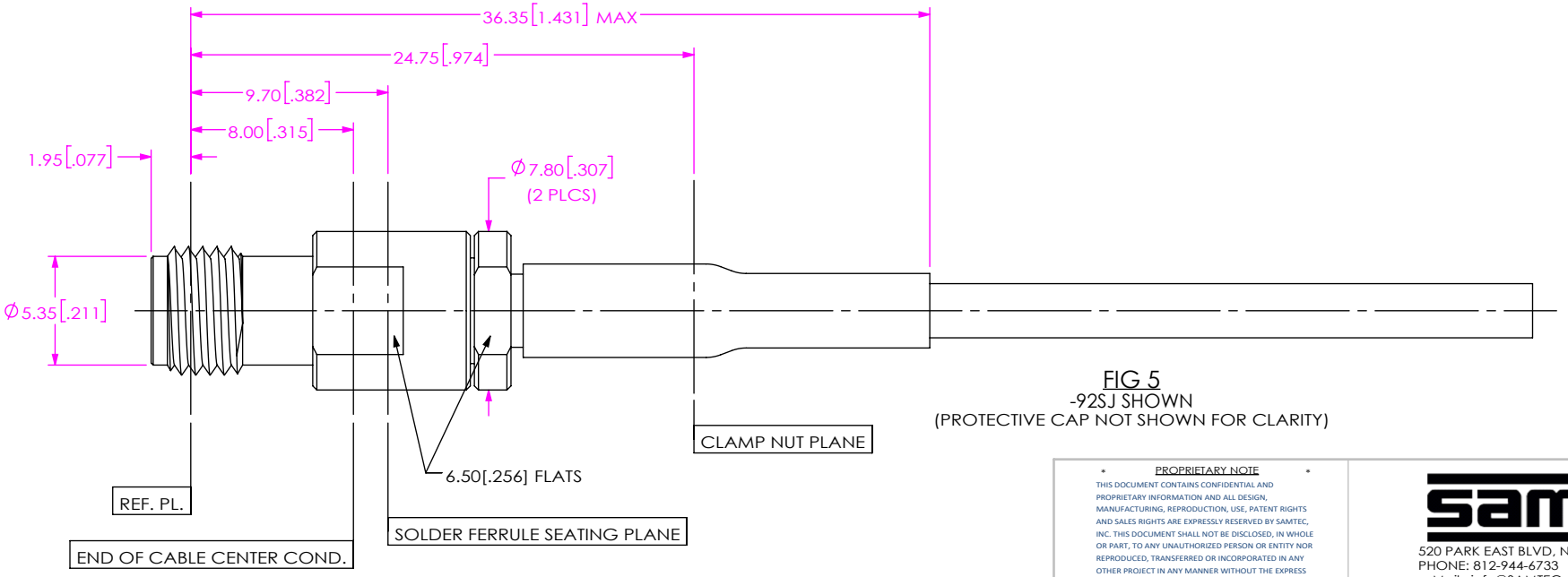


FIG 5
-92SJ SHOWN
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

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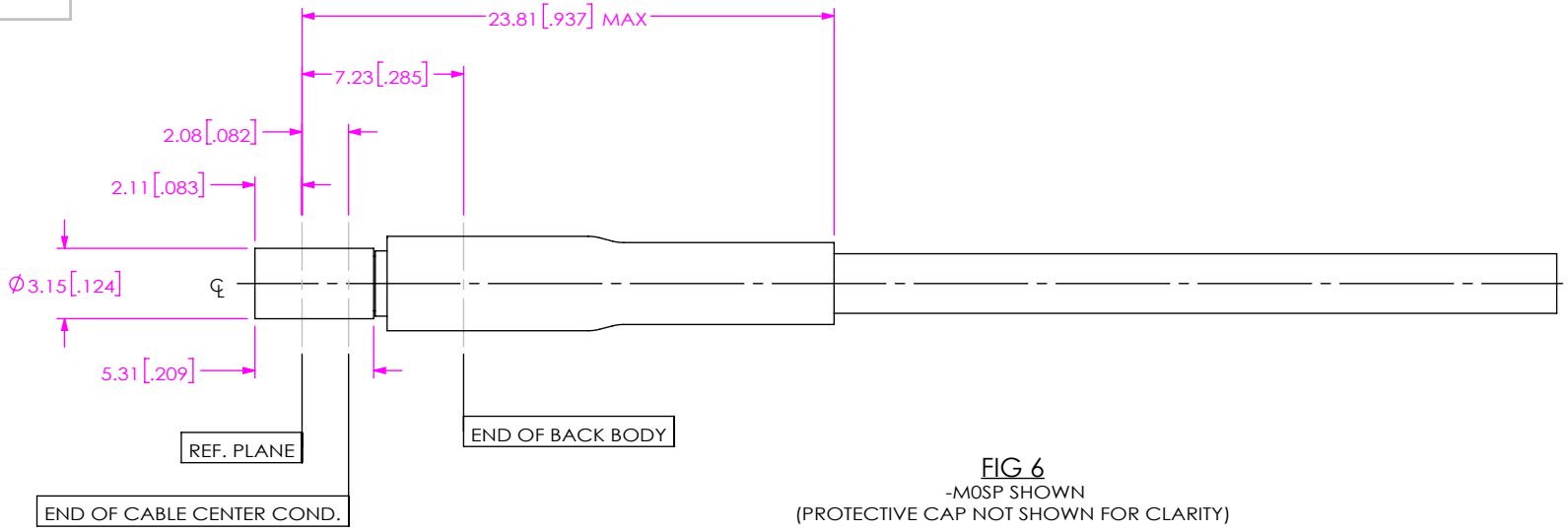


FIG 6
-M0SP SHOWN
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

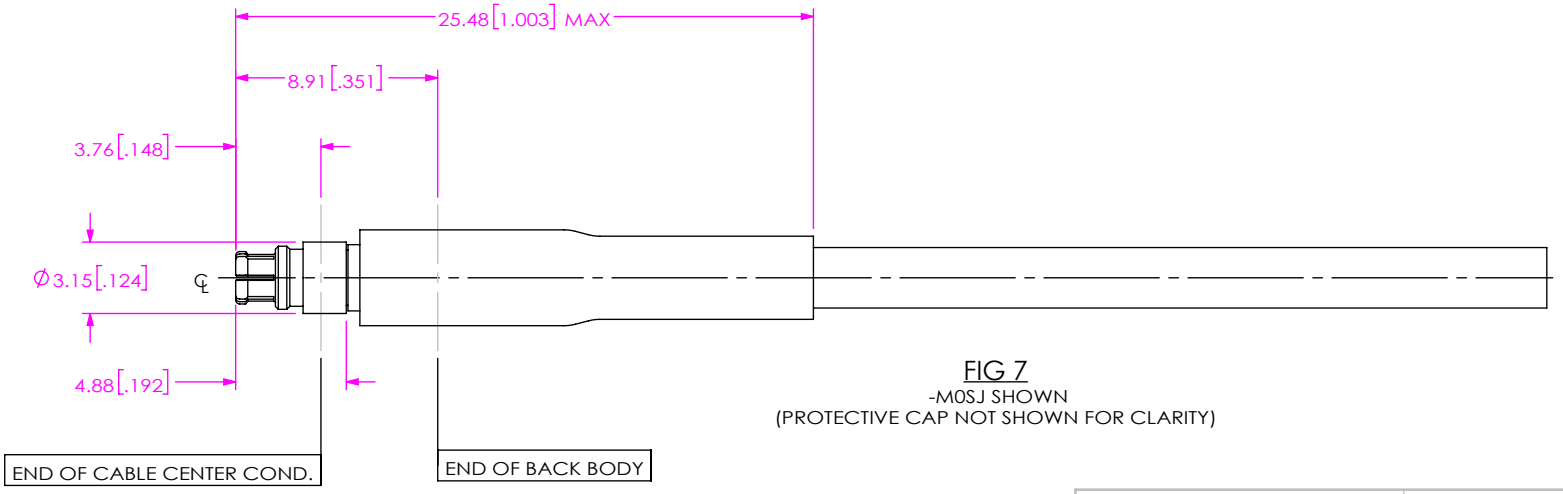


FIG 7
-M0SJ SHOWN
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

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