

DO NOT
SCALE FROM
THIS PRINT**THIS PRODUCT MANUFACTURED
WITH LEAD-FREE PROCESSING****DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]**

BE71C-X-XXXX-X-XX-XXXX

TRANSMISSION TYPE

-M: MICROSTRIP
-S: STRIPLINE

END 2 CONNECTOR

(SEE TABLE 2)

PHASE MATCHING SPEC (RANGE)

-H: HALF PICO-SECOND
-1: 1 PICO-SECOND
-2: 2 PICO-SECONDS
-5: 5 PICO-SECONDS
-N: NO PHASE MATCHING

OVERALL ASSEMBLY LENGTH (OAL)

XXXX (MILLIMETERS)
(0.152 MIN)
(SEE NOTE 8)

No. OF PHASE MATCHED CABLES

□-01: (1 CABLE FOR THIS PART NUMBER)
▣-02: (2 CABLES FOR THIS PART NUMBER)
▣-04: (4 CABLES FOR THIS PART NUMBER)
▣-06: (6 CABLES FOR THIS PART NUMBER)
▣-08: (8 CABLES FOR THIS PART NUMBER)

(□= ONLY AVAILABLE WITH -N OPTION)

(▣= NOT AVAILABLE WITH -N OPTION)

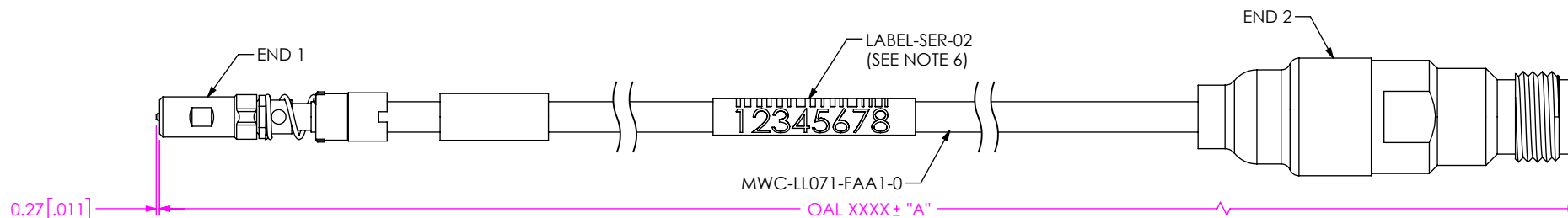


FIG 1
BE71C-S-18BJ-X-02-XXXX SHOWN
(PROTECTIVE CAPS NOT SHOWN FOR CLARITY)

TABLE 2

END OPTION	SERIES	GENDER	FINISH			SUBTRACTOR	CONNECTOR KIT P/N	FIGURE
			CENTER CONTACT	OUTER CONTACT	SOLDER FERRULE	"B"		
-18SP	1.85 MM	PLUG	50μ" GOLD	PASSIVATED	50μ" GOLD	9.00 [.354]	PRF18-P-C-EP-071B-SS-2	SHT 3, FIG 4
-18BJ	1.85 MM	JACK	50μ" GOLD	PASSIVATED	50μ" GOLD	10.72 [.422]	PRF18-J-C-EP-071B-BS-X	SHT 3, FIG 5
-92SP	2.92 MM	PLUG	50μ" GOLD	PASSIVATED	30μ" GOLD	9.78 [.385]	PRF92-P-C-EP-071B-SS	SHT 4, FIG 6

NOTES:

1. REPRESENTS A CRITICAL DIMENSION.
2. CONNECTORS TO BE ORIENTED ACCORDING TO CO-RF-WI-3048-M.
3. FERRULE, SPRING AND HEAT SHRINK ARE FREE FLOATING AND ARE NOT STATIONARY.
4. NOTE DELETED.
5. CABLE ASSEMBLY TO HAVE PROTECTIVE CAP ASSEMBLED ON EACH END AND TO BE INDIVIDUALLY PACKAGED IN ESD BAG.
6. 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 (SEE TABLE 3).
7. TRIM DIELECTRIC AS NEEDED TO MEET FLUSH SPEC.
8. CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED BY S.I. DATA.

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MATERIAL: DO NOT SCALE DRAWING

CENTER CONTACTS: COPPER ALLOY SHEET SCALE: 2:1

OUT CONTACTS:
-END 1: BRASS ALLOY
-18SP/-18BJ/-92SP: STAINLESS STEEL

INSULATORS:
-END 1: VIRGIN PTFE FLUOROCARBON
-18SP/-18BJ/-92SP: ULTEM

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION: GEN 3 BULLSEYE PROBE CABLE ASSEMBLY

DWG. NO.

BE71C-X-XXXX-X-XX-XXXX

BY: HENRY W

2025/4/30

SHEET 1 OF 4

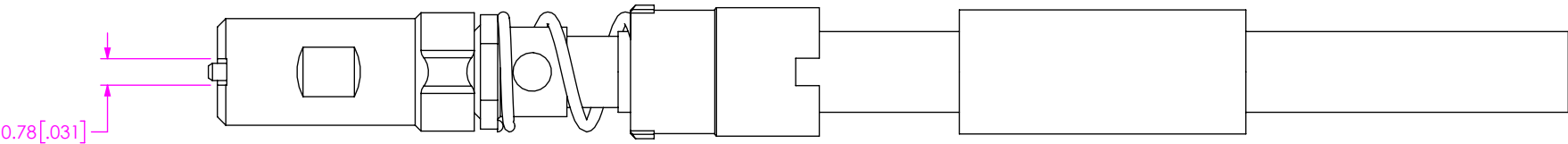


FIG 2
-END 1 SHOWN
TRANSMISSION TYPE - MICROSTRIP SHOWN

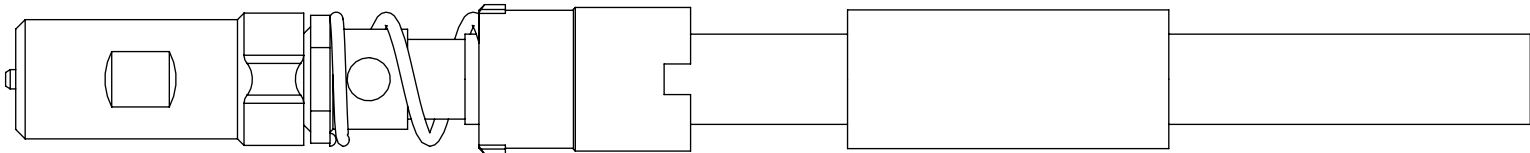


FIG 3
-END 1 SHOWN
TRANSMISSION TYPE - STRIPLINE SHOWN

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SHEET SCALE: 3:1 DO NOT SCALE DRAWING		DESCRIPTION: GEN 3 BULLSEYE PROBE CABLE ASSEMBLY	
		DWG. NO. BE71C-X-XXXX-X-XX-XXXX	
		BY: HENRY W	SHEET 2 OF 4
		2025/4/30	

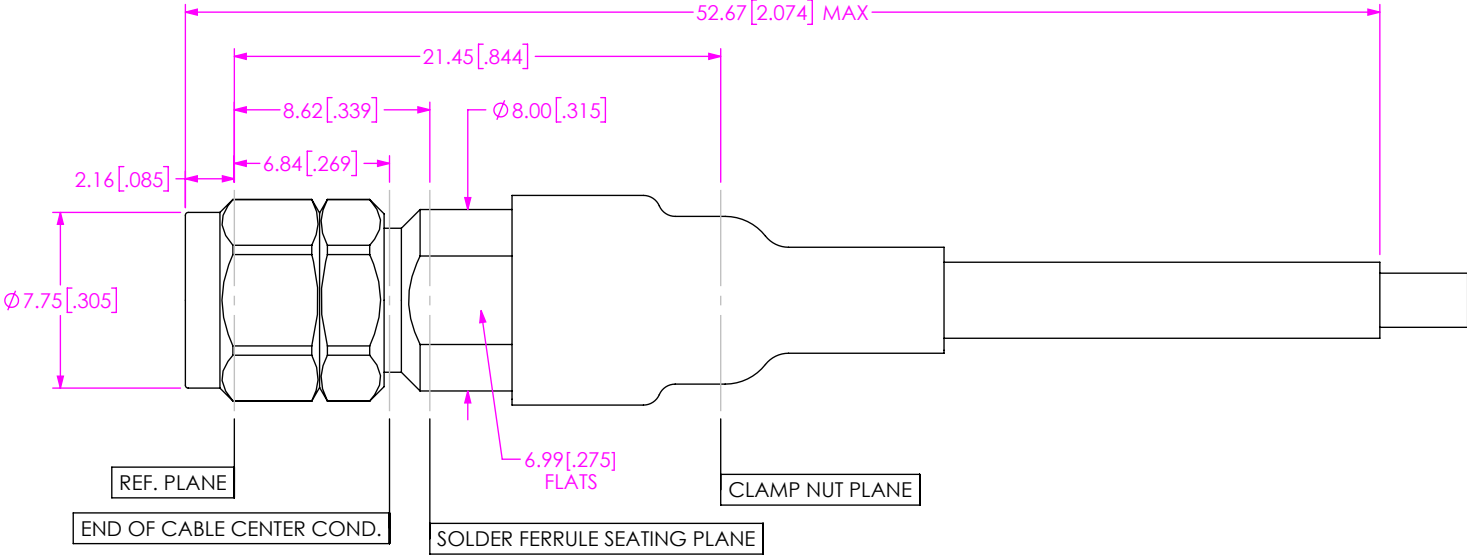


FIG 4
-18SP SHOWN
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

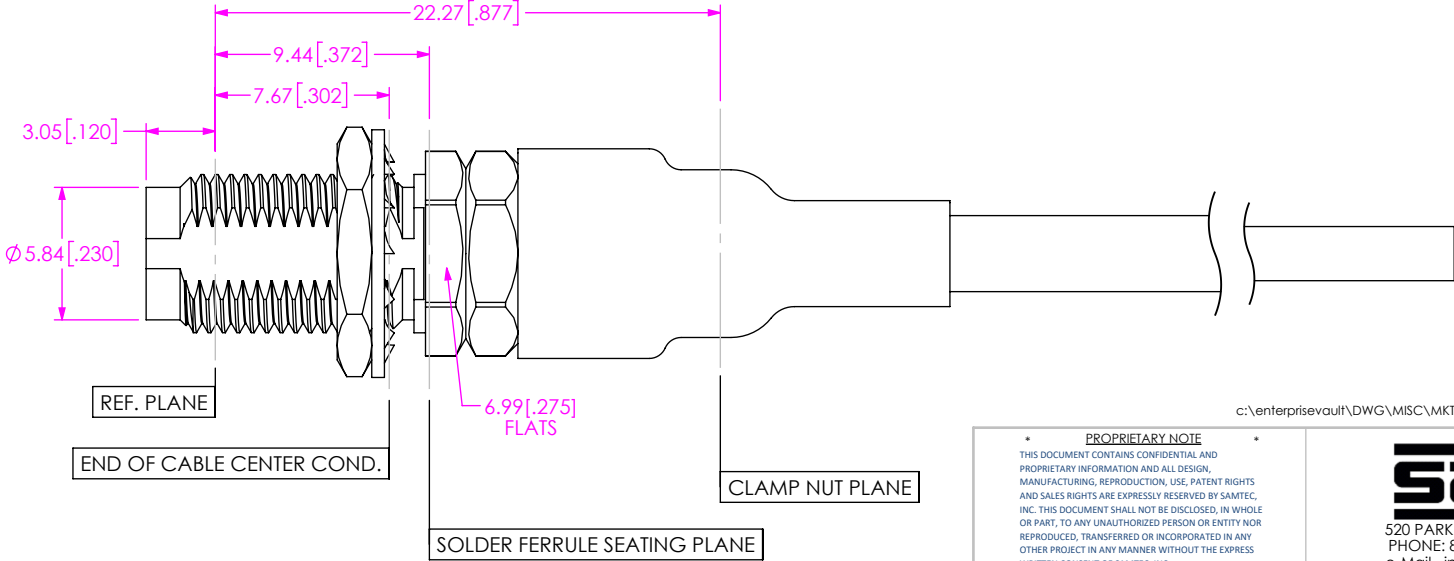


FIG 5
-18BJ SHOWN
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

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BY: HENRY W 2025/4/30 SHEET 3 OF 4	

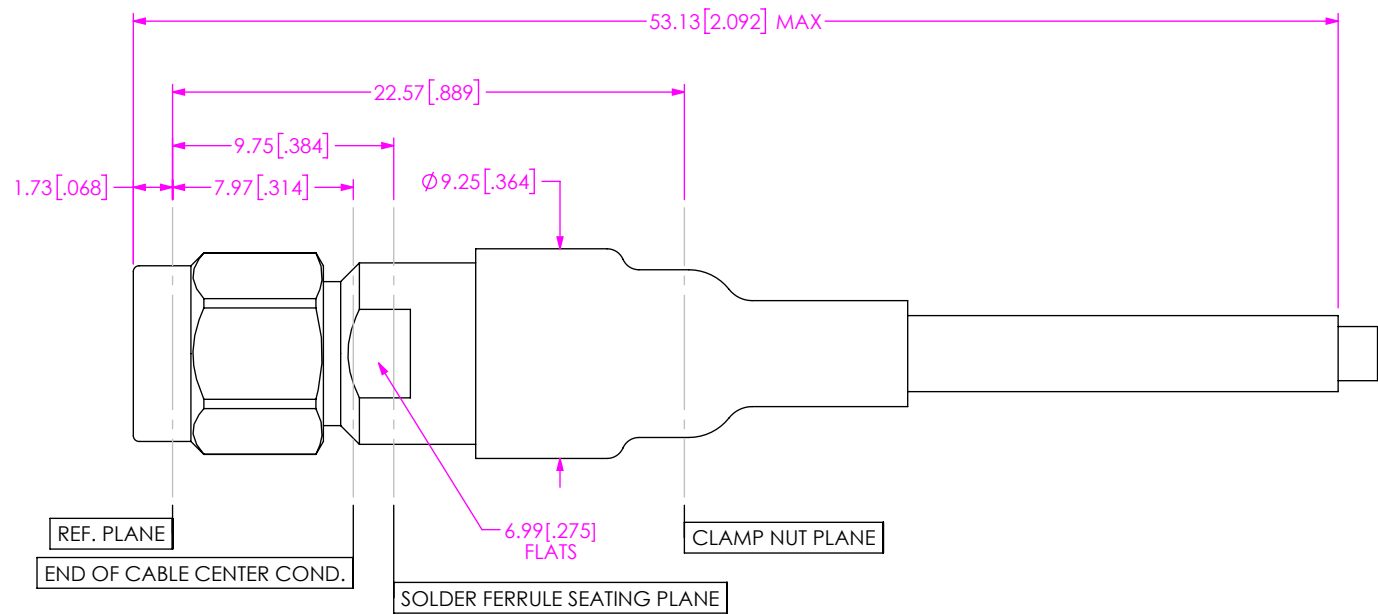


FIG 6
-92SP SHOWN
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

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