

DESIGNED AND DIMENSIONED IN MILLIMETERS(INCHES)  
ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN

BE40C-XXXX-X-XX-XXXX

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

DO NOT SCALE FROM THIS PRINT

END OPTION	HI POT		PROTECTIVE CAP COLOR
	"DC"	"AC"	
-92SP	1000	1000	YELLOW
-92SJ	1000	1000	YELLOW
-24SP	1000	1000	GREEN
-24SJ	1000	1000	GREEN

END 2 CONNECTOR (SEE TABLE 1)

OVERALL ASSEMBLY LENGTH (OAL)  
XXXX (MILLIMETERS)  
(0.152 MIN)  
(SEE NOTE 7)

PHASE MATCHING SPEC (RANGE)  
-2: 2 PICO-SECOND  
-5: 5 PICO-SECONDS  
-N: NO PHASE MATCHING

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)

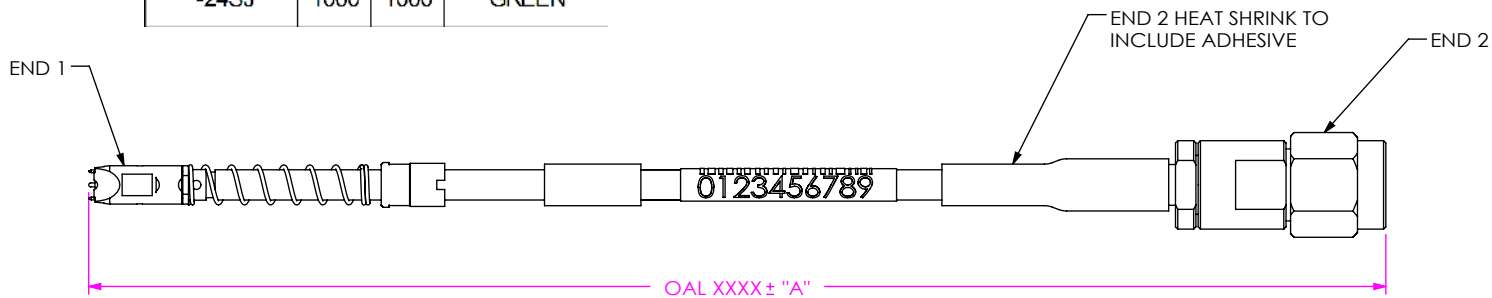


FIG 1  
BE40C-XXXX-X-02-XXXX SHOWN  
(PROTECTIVE CAPS NOT SHOWN FOR CLARITY)

TABLE 2	
OVERALL LENGTH	"A"
0152-0200 [5.98-7.87]	+3.0 [.12] / -0.0 [.00]
0201-0500 [7.91-19.69]	+5.0 [.20] / -0.0 [.00]
0501-9999 [19.72-39.37]	+10.0 [.39] / -0.0 [.00]

END OPTION	SERIES	GENDER	CONFIGURATION	PLATING			FIGURE
				CENTER CONTACT	GROUND CONTACTS	CABLE BODY	
-92SP	2.92 MM	PLUG	STRAIGHT	30µ" GOLD	STAINLESS STEEL	2µ" GOLD	SHT 2, FIG 2
-92SJ	2.92 MM	JACK	STRAIGHT	30µ" GOLD	STAINLESS STEEL	2µ" GOLD	SHT 2, FIG 3
-24SP	2.4 MM	PLUG	STRAIGHT	30µ" GOLD	STAINLESS STEEL	2µ" GOLD	SHT 2, FIG 4
-24SJ	2.4 MM	JACK	STRAIGHT	30µ" GOLD	STAINLESS STEEL	2µ" GOLD	SHT 2, FIG 5

NOTES:

- DELETED.
- DELETED.
- FERRULE, SPRING AND HEAT SHRINK ARE FREE FLOATING AND ARE NOT STATIONARY.
- CABLE ASSEMBLY TO HAVE PROTECTIVE CAP ASSEMBLED ON EACH END AND TO BE PACKAGED IN PHASE MATCHED GROUPS IN ESD BAG.
- DELETED.
- MAXIMUM RETURN LOSS FOR 92SP/92SJ: -13.97dB, DC TO 40 GHz.  
MAXIMUM RETURN LOSS FOR 24SP/24SJ:  
(1) -13.97dB, DC TO 40 GHz.  
(2) -10.00dB, DC TO 50 GHz WITH CONTROLLED DEPTH DRILL AND USING AFR DATA.
- CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED BY S.I. DATA.
- DELETED.
- DELETED.

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:2  
Bull's Eye: SHELL, RETAINER, FERRULE, POGO PIN: BRASS INSULATOR: TEFCON  
92SP, 92SJ: SHELL NUT, C-RING, INSERT: STAINLESS STEEL PIN, SOCKET: BeCu INSULATOR: ULTEM1000  
24SP, 24SJ: CONTACT, C-RING: COPPER ALLOY INSULATOR: ULTEM 1000 SOLDER FERRULE: BRASS BODY, CLAMP NUT, COUPLING NUT, BUSHING: STAINLESS STEEL GASKET & O-RING: SILICONE RUBBER



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

DESCRIPTION: 40GHz Bulls Eye CABLE ASSEMBLIES

DWG. NO. BE40C-XXXX-X-XX-XXXX

BY: PETER D 3/16/2017 SHEET 1 OF 2

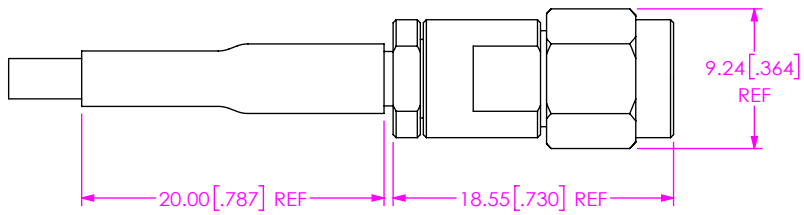


FIG 2  
-92SP SHOWN

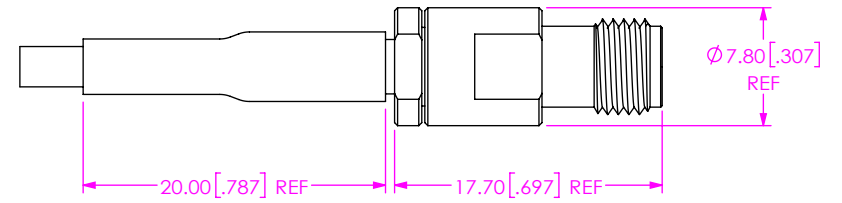


FIG 3  
-92SJ SHOWN

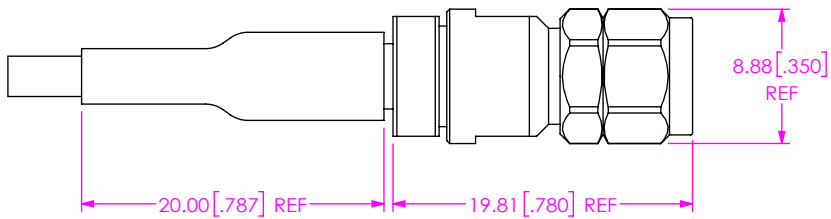


FIG 4  
-24SP SHOWN

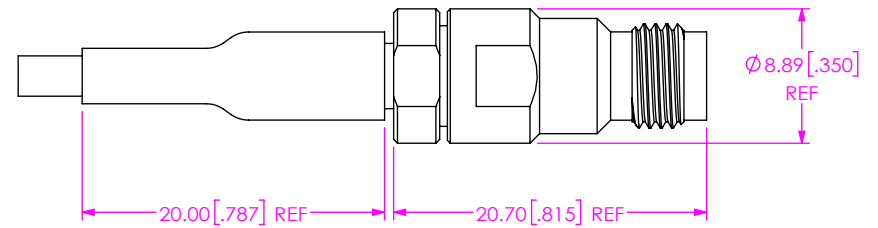


FIG 5  
-24SJ SHOWN

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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

**samtec**

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