

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

DO NOT SCALE FROM THIS PRINT

THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

BE40A-X-XXXX-X-X-XX-XXXX

TRANSMISSION TYPE

- S: STRIPLINE
- M: MICROSTRIP

END 2 CONNECTOR
(SEE TABLE 1, SHT 3)

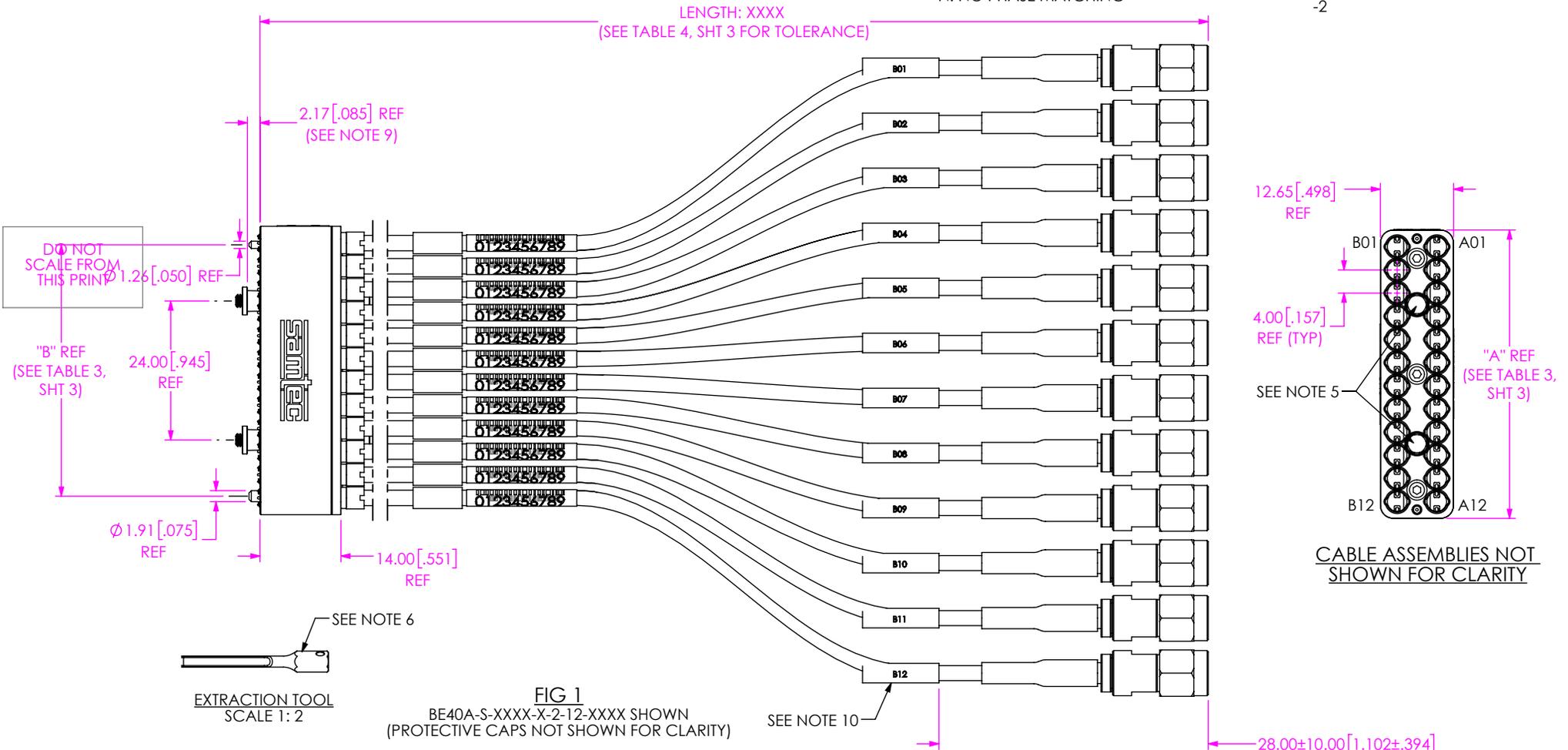
PHASE MATCHING SPEC. (RANGE)

- 2: 2 PICO-SECONDS
- 5: 5 PICO-SECONDS
- N: NO PHASE MATCHING

OVERALL ASSEMBLY LENGTH (OAL)
XXXX (MILLIMETERS)
(0152 MIN)
(SEE NOTE 8)

NO OF POSITION (PER ROW)
-03, -04, -06, -08, -10, -12, -14, -16
(SEE TABLE 3, SHT 3)

NO OF ROWS
-2



- NOTES:
1. DELETED.
 2. DELETED.
 3. FERRULE AND SPRING ARE FREE FLOATING AND ARE NOT STATIONARY.
 4. ASSEMBLY TO HAVE END 1 WRAPPED IN ANTI-STATIC BUBBLE WRAP AND END 2 ASSEMBLED WITH PROTECTIVE CAPS.
 5. WHEN MOUNTED TO PCB, TIGHTEN PCB SCREW TO 2.0-2.5 IN-LBS USING 3MM HEX TOOL (NOT PROVIDED).
 6. EXTRACTION TOOL TO BE PACKAGED IN ESD BAG (BAG-SS-04X06-Z) AND INCLUDED WITH ASSEMBLY.
 7. MAXIMUM RETURN LOSS: -13.97DB, DC TO 40GHZ.
 8. CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA.
 9. RECOMMEND PCB THICKNESS: .06 INCH - .16 INCH (SEE SHEET 4).
 10. PRINT CABLE POSITION ON WHITE HEAT SHRINK AND APPLY TO CABLES AS SHOWN.

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	<p>DO NOT SCALE DRAWING SHEET SCALE: 1:1</p> <p>MATERIAL: HOUSING, COVER, SCREWS, NUTS, SHELL, RETAINER, FERRULE, PIN, BODY: BRASS ALIGNMENT PINS, SCREWS, SHELLS, CABLE BODY, C-RING, NUT INSERT: STAINLESS STEEL</p>	<p>DWG. NO.</p> <p>BE40A-X-XXXX-X-X-XX-XXXX</p>	
<p>F:\DWG\MISC\WKTG\BE40A-X-XXXX-X-X-XX-XXXX-MKT.SLDDRW</p>		<p>BY: PETER D 3/16/2017 SHEET 1 OF 5</p>	

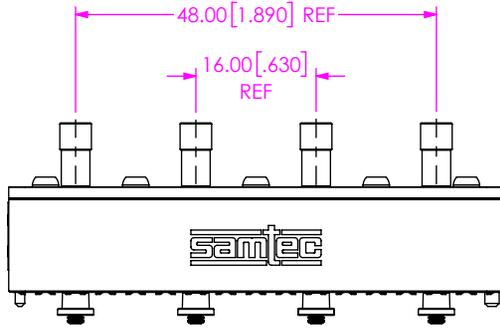


FIG 2
BE40A-S-XXXX-X-2-16-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

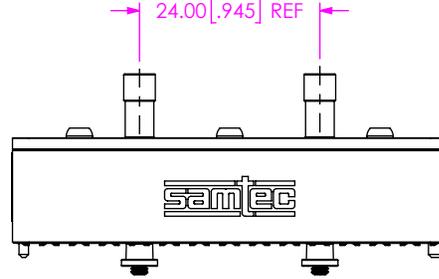


FIG 3
BE40A-S-XXXX-X-2-14-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

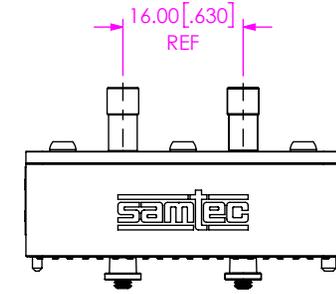


FIG 4
BE40A-S-XXXX-X-2-10-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

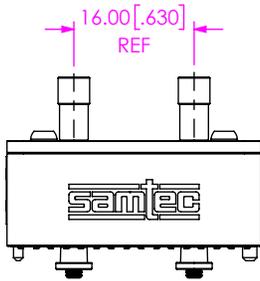


FIG 5
BE40A-S-XXXX-X-2-08-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

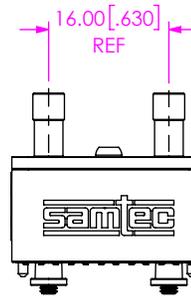


FIG 6
BE40A-S-XXXX-X-2-06-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

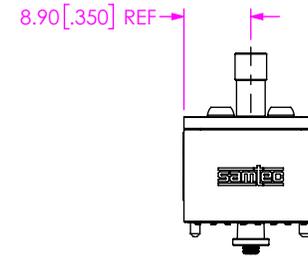


FIG 7
BE40A-S-XXXX-X-2-04-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

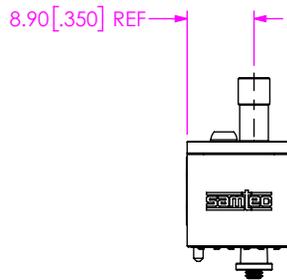


FIG 8
BE40A-S-XXXX-X-2-03-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

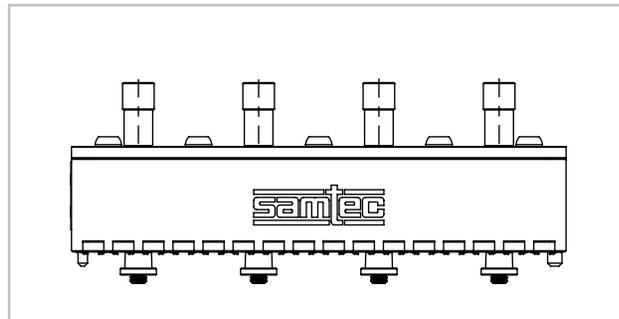


FIG 13
BE40A-M-XXXX-X-2-16-XXXX SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

F:\DWG\MISC\MKTG\BE40A-X-XXXX-X-X-XXXX-MKT.SLDDRW

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DO NOT SCALE DRAWING

SHEET SCALE: 1:1



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® GANGED ASSEMBLY

DWG. NO. BE40A-X-XXXX-X-X-XX-XXXX

BY: PETER D 3/16/2017 SHEET 2 OF 5

TABLE 1							
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 4, FIG 9
-92SJ	2.92 MM	JACK	STRAIGHT	30μ" GOLD	STAINLESS STEEL	2μ" GOLD	SHT 4, FIG 10
-24SP	2.4 MM	PLUG	STRAIGHT	30μ" GOLD	STAINLESS STEEL	2μ" GOLD	SHT 5, FIG 11
-24SJ	2.4 MM	JACK	STRAIGHT	30μ" GOLD	STAINLESS STEEL	2μ" GOLD	SHT 5, FIG 12

TABLE 2 - PHASE MATCHED PAIRS		
PAIR NO.	POSITION	POSITION
1	A01	B01
2	A02	B02
3	A03	B03
4	A04	B04
5	A05	B05
6	A06	B06
7	A07	B07
8	A08	B08
9	A09	B09
10	A10	B10
11	A11	B11
12	A12	B12
13	A13	B13
14	A14	B14
15	A15	B15
16	A16	B16

TABLE 3		
No OF POSITIONS	"A"	"B"
-03	13.80 [0.543]	N/A
-04	17.80 [0.701]	14.80 [0.583]
-06	25.80 [1.016]	22.80 [0.898]
-08	33.80 [1.331]	30.80 [1.213]
-10	41.80 [1.646]	38.80 [1.528]
-12	49.80 [1.961]	43.40 [1.709]
-14	57.80 [2.276]	54.80 [2.157]
-16	65.80 [2.591]	62.80 [2.472]

CAUTION: EACH PAIR OF CABLES TO BE PHASE MATCHED PER CALLOUT. IF RE-WORKED, THE ENTIRE PAIR MUST BE REPLACED.

TABLE 4: FINAL ASSEMBLY LENGTH TOLERANCE	
LENGTH	TOLERANCE
0152-0200 [5.98-7.87]	+3.0 [.12]/-0.0 [.00]
0200-0500 [7.87-19.69]	+5.0 [.20]/-0.0 [.00]
0500-9999 [19.69-43.30]	+10.0 [.40]/-0.0 [.00]

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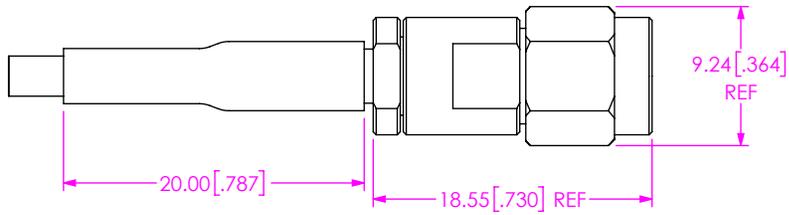


FIG 9
-92SP SHOWN

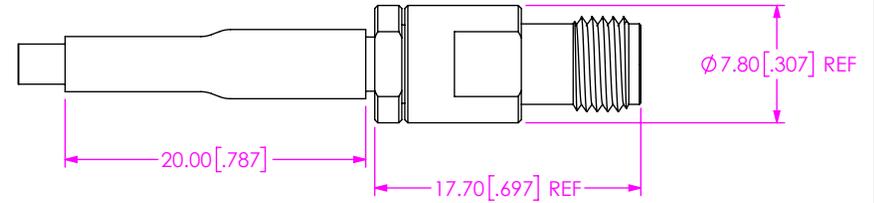
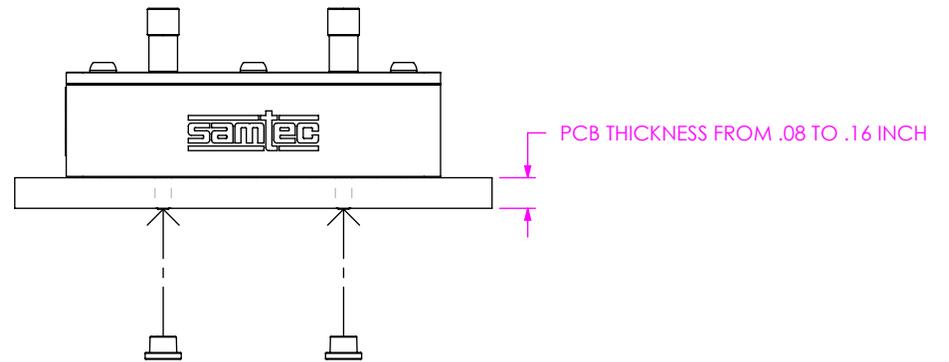
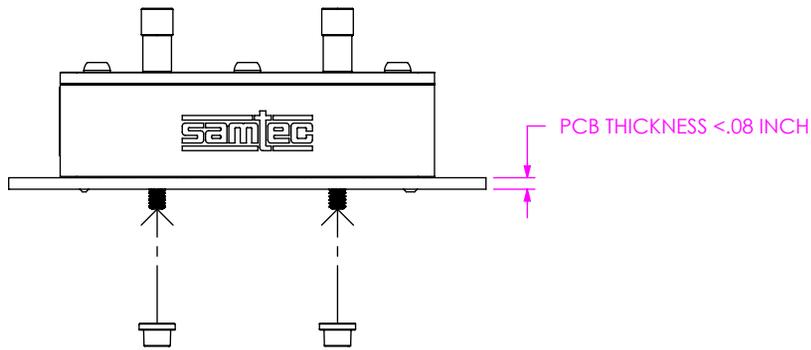


FIG 10
-92SJ SHOWN



DIRECTION OF PCB NUTS

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 e-Mail info@SAMTEC.com code 55322

DESCRIPTION: 40GHz Bulls Eye® GANGED ASSEMBLY

DWG. NO. BE40A-X-XXXX-X-X-XX-XXXX

BY: PETER D 3/16/2017 SHEET 4 OF 5

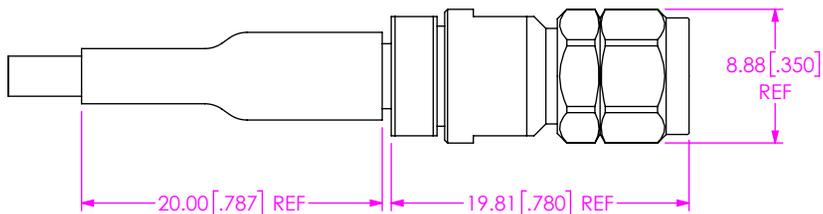


FIG 11
-24SP SHOWN

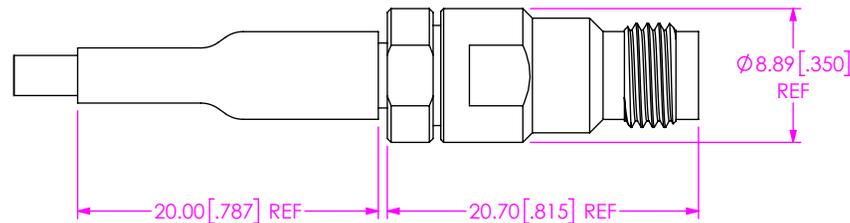


FIG 12
-24SJ SHOWN

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