

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

BE70A-X-XXXX-X-X-XX-XXXX

TRANSMISSION TYPE
 -S: STRIPLINE
 -M: MICROSTRIP

END 2 CONNECTOR
 (SEE TABLE 2, 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 6)

NO OF POSITION (PER ROW)
 -03, -04, -06, -08, -10, -12, -14, -16
 (SEE TABLE 4, SHT 3)

NO OF ROWS
 -2

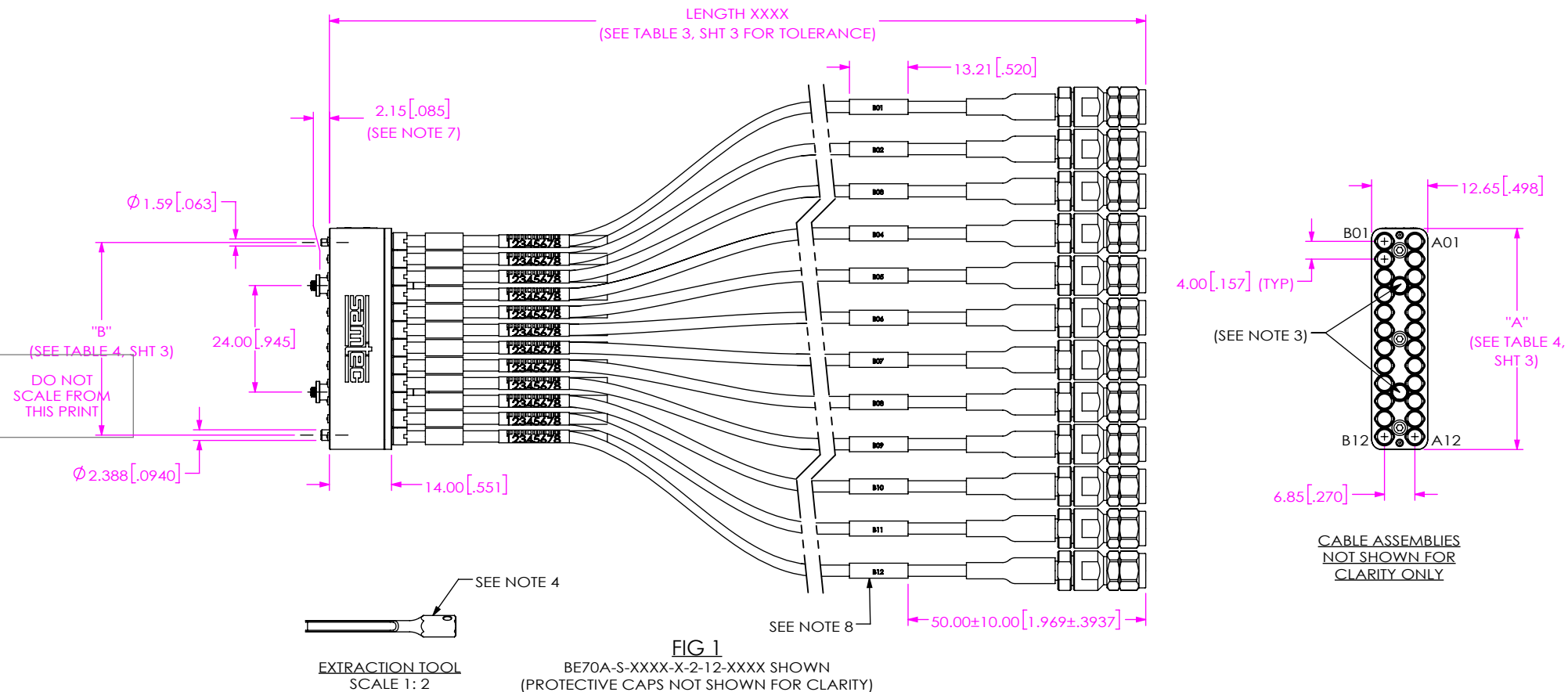


FIG 1
 BE70A-S-XXXX-X-2-12-XXXX SHOWN
 (PROTECTIVE CAPS NOT SHOWN FOR CLARITY)

NOTES:

1. FERRULE AND SPRING ARE FREE FLOATING AND ARE NOT STATIONARY.
2. ASSEMBLY TO HAVE END 1 WRAPPED IN ANTI-STATIC BUBBLE WRAP
 END 2 ASSEMBLED WITH PROTECTIVE CAPS.
3. WHEN MOUNTED TO PCB, TIGHTEN PCB SCREW TO 2.0 - 2.5 IN-LBS USING
 0.125" HEX TOOL (NOT PROVIDED).
4. EXTRACTION TOOL TO BE PACKAGED IN ESD BAG (BG-04-06-Z) AND INCLUDED WITH ASSEMBLY.
5. NOTE DELETED.
6. CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED S.I. TEST DATA.
7. RECOMMEND PCB THICKNESS: 0.06IN - 0.16IN.
8. PRINT CABLE POSITION ON WHITE HEAT SHRINK AND APPLY TO CABLES AS SHOWN.
9. REF P/N: RSP-211900-X-X-XX-XXXX.

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<p>MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 0.75:1</p> <p>HOUSING, COVER, SCREWS, NUTS, SHELL, RETAINER, FERRULE, PIN, BODY: BRASS ALIGNMENT PINS, SCREWS, SHELLS, CABLE BODY, C-RING, NUT INSERT: STAINLESS STEEL</p>		<p>DESCRIPTION: BE70A GANGED ASSEMBLY</p> <p>DWG. NO. BE70A-X-XXXX-X-X-XX-XXXX</p>	
<p>F:\DWG\MISC\MKTG\BE70A-X-XXXX-X-X-XX-XXXX-MKT.SLDDRW</p>		<p>BY: SHERRY W 12/26/2019 SHEET 1 OF 4</p>	

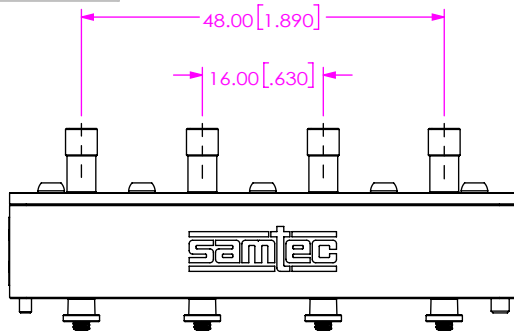


FIG 2
BE70A-S-XXXX-X-2-16-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

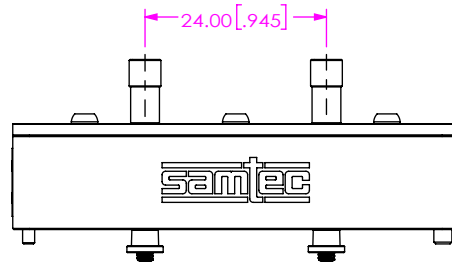


FIG 3
BE70A-S-XXXX-X-2-14-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

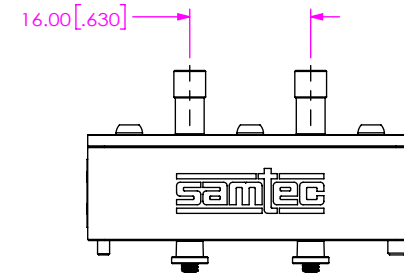


FIG 4
BE70A-S-XXXX-X-2-10-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

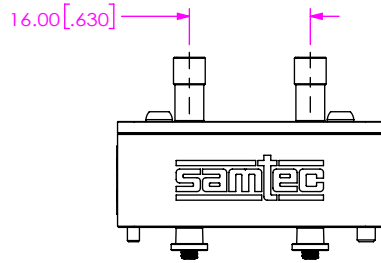


FIG 5
BE70A-S-XXXX-X-2-08-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

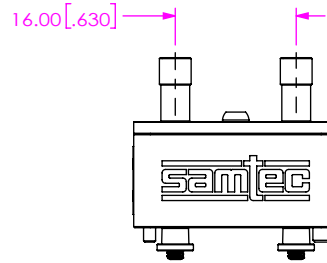


FIG 6
BE70A-S-XXXX-X-2-06-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

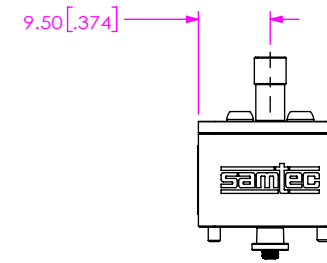


FIG 7
BE70A-S-XXXX-X-2-04-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

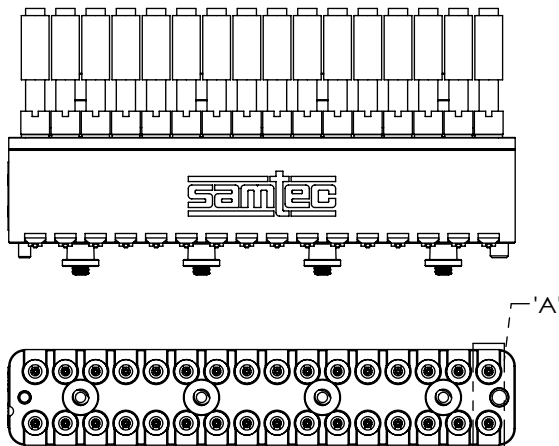
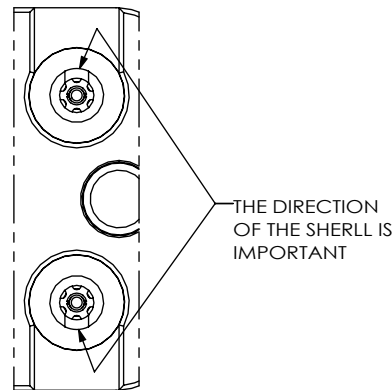


FIG 9
BE70A-M-XXXX-X-2-16-XXXX SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
END 2 NOT SHOWN FOR CLARITY



DETAIL 'A'
SCALE 4:1

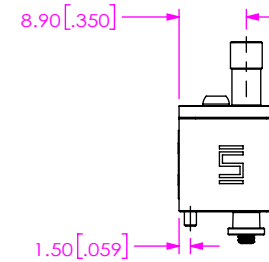


FIG 8
BE70A-S-XXXX-X-2-03-XXXX SHOWN
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

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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:
BE70A GANGED ASSEMBLY

DWG. NO.
BE70A-X-XXXX-X-X-XX-XXXX

BY: SHERRY W 12/26/2019 SHEET 2 OF 4

TABLE 2							
END OPTION	SERIES	GENDER	FINISH			CONNECTOR KIT P/N (PCI P/N)	FIGURE
			CENTER CONTACT	OUTER CONTACT	CABLE BODY		
-18SP	1.85 MM	PLUG	50µ" GOLD	PASSIVATED	PASSIVATED	PRF18-P-C-EP-086-SS (4192)	SHT 4, FIG 10
-18SJ	1.85 MM	JACK	50µ" GOLD	PASSIVATED	PASSIVATED	PRF18-J-C-EP-086-SS (4183)	SHT 4, FIG 11

TABLE 5 - 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

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

TABLE 3: FINAL ASSEMBLY LENGTH TOLERANCE	
OVERALL LENGTH	TOLERANCE
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 [19.72-393.66]	+10.0 [.39] / -0.0 [.00]

TABLE 4		
No OF POSITIONS	"A"	"B"
-03	13.80 [0.543]	N/A
-04	19.00 [0.748]	14.80 [0.583]
-06	27.00 [1.063]	22.80 [0.898]
-08	35.00 [1.378]	30.80 [1.213]
-10	43.00 [1.693]	38.80 [1.528]
-12	49.80 [1.961]	43.40 [1.709]
-14	59.00 [2.323]	54.80 [2.157]
-16	67.00 [2.638]	62.80 [2.472]

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MATERIAL: DO NOT SCALE DRAWING	DESCRIPTION: BE70A GANGED ASSEMBLY
SHEET SCALE: 1:1	DWG. NO. BE70A-X-XXXX-X-X-XX-XXXX
F:\DWG\MISC\MKTG\BE70A-X-XXXX-X-X-XX-XXXX-MKT.SLDDRW	BY: SHERRY W 12/26/2019 SHEET 3 OF 4

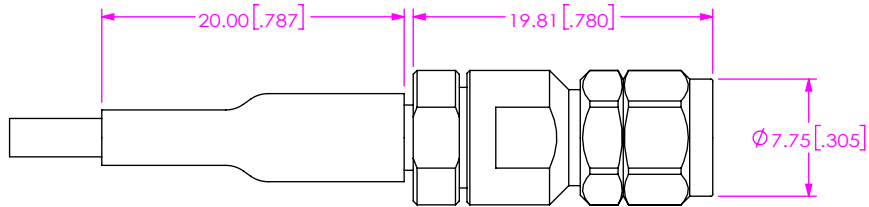


FIG 10
-18SP SHOWN
(CABLE CUT FOR CLARITY ONLY)

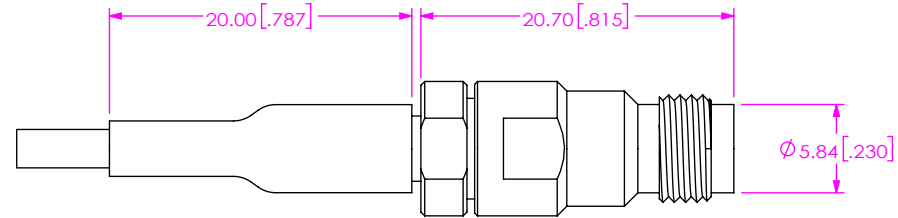
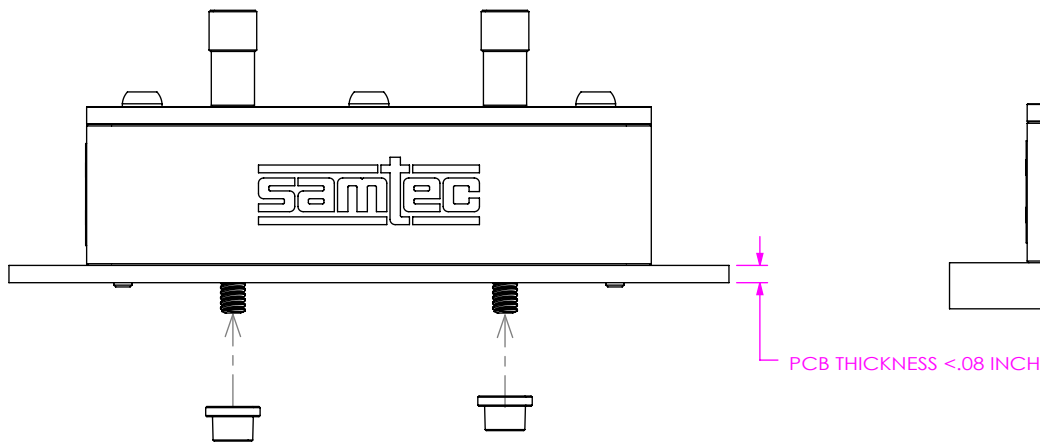
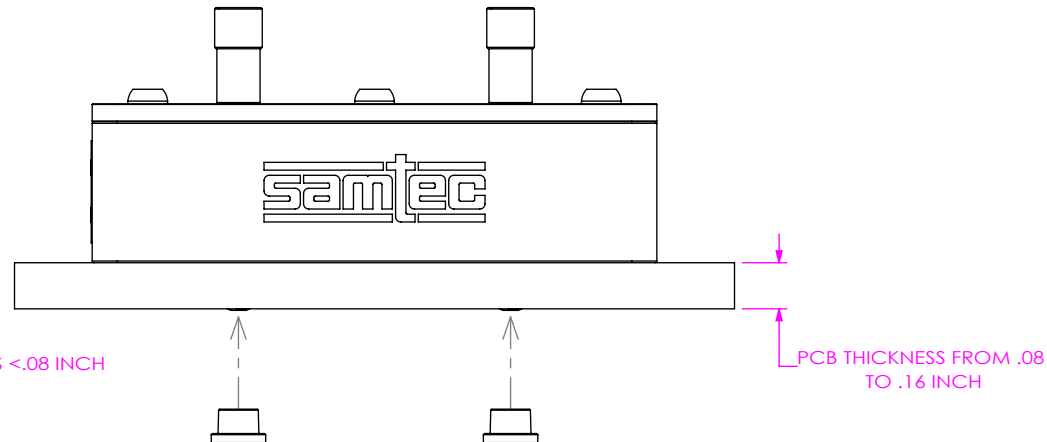


FIG 11
-18SJ SHOWN
(CABLE CUT FOR CLARITY ONLY)



SCALE: 1.5 : 1



SCALE: 1.5 : 1

DIRECTION OF PCB NUTS

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MATERIAL: DO NOT SCALE DRAWING

SHEET SCALE: 2:1



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DESCRIPTION: BE70A GANGED ASSEMBLY

DWG. NO. BE70A-X-XXXX-X-X-XX-XXXX

BY: SHERRY W 12/26/2019 SHEET 4 OF 4