

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

Pb THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

DO NOT SCALE FROM THIS PRINT

BE70A-X-XXXX-X-1-XX-XXXX

TRANSMISSION TYPE
-S: STRIPLINE
-M: MICROSTRIP

END 2 CONNECTOR
(SEE TABLE 2, SHT 2)

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 5)

NO OF POSITION (PER ROW)
-02, -04, -08, -12
(SEE TABLE 4, SHT 2)

NO OF ROWS
-1

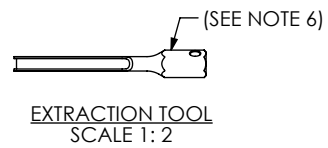
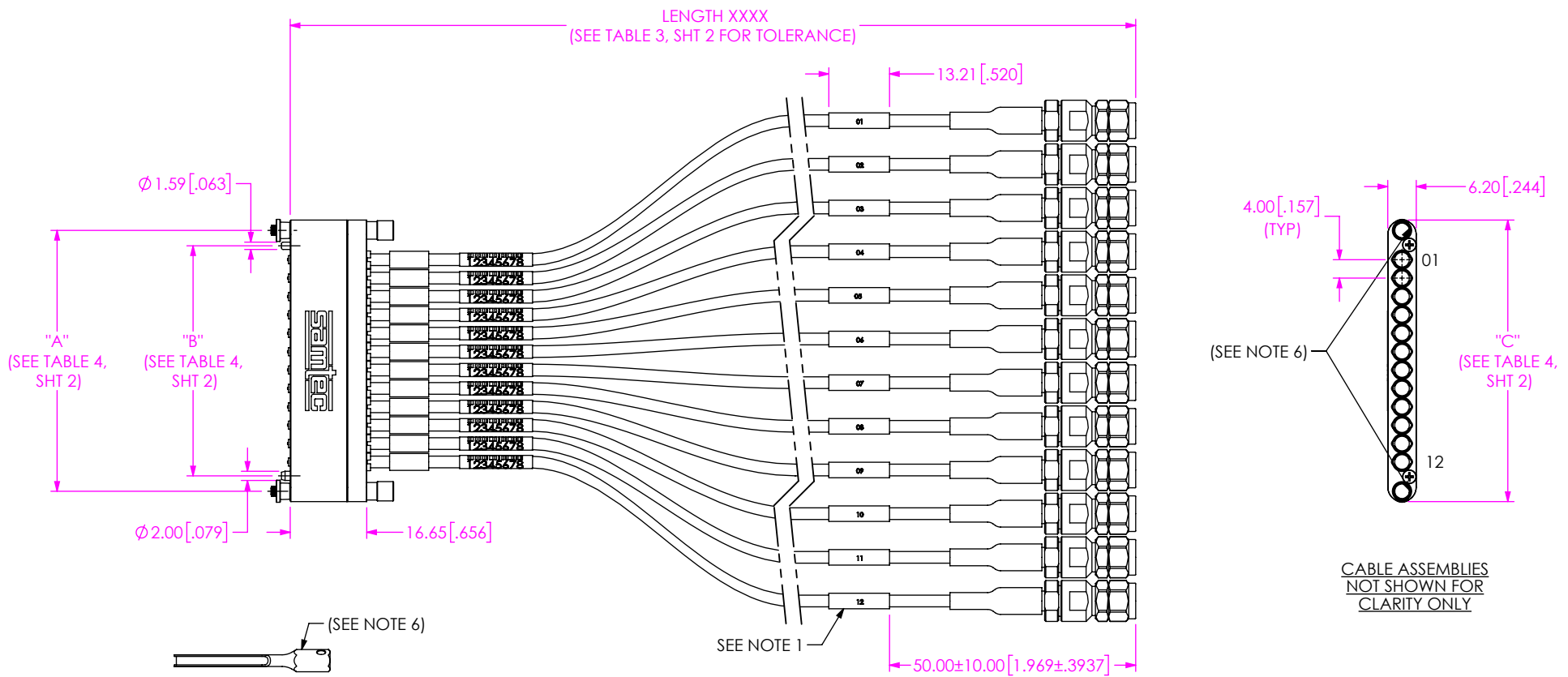


FIG 1
BE70A-S-XXXX-X-1-12-XXXX SHOWN
(PROTECTIVE CAPS NOT SHOWN FOR CLARITY)

F:\DWG\MISC\MKTG\BE70A-X-XXXX-X-1-XX-XXXX-MKT.SLDDRW

NOTES:

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

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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-1-XX-XXXX</p>		<p>BY: EVE L 05/05/2021 SHEET 1 OF 4</p>	

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	PRF 18-P-C-EP-086-SS (4192)	SHT 3, FIG 3
-18SJ	1.85 MM	JACK	50µ" GOLD	PASSIVATED	PASSIVATED	PRF 18-J-C-EP-086-SS (4183)	SHT 3, FIG 4

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"	"C"
-02	16.75 [0.659]	10.05 [0.396]	21.25 [0.837]
-04	24.75 [0.974]	18.05 [0.711]	29.25 [1.152]
-08	40.75 [1.604]	34.05 [1.341]	45.25 [1.781]
-12	56.75 [2.234]	50.05 [1.970]	61.25 [2.411]

TABLE 5 - PHASE MATCHED PAIRS

PAIR NO.	POSITION	POSITION
1	01	02
2	03	04
3	05	06
4	07	08
5	09	10
6	11	12

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

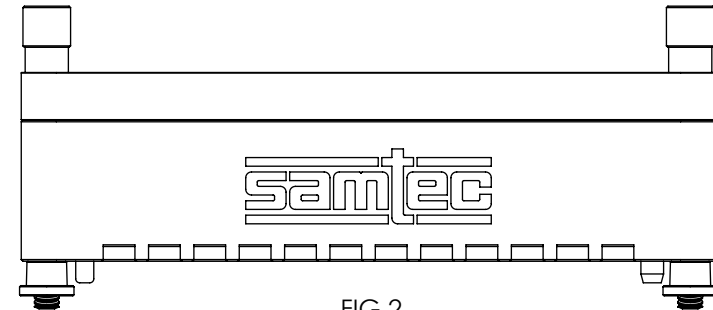
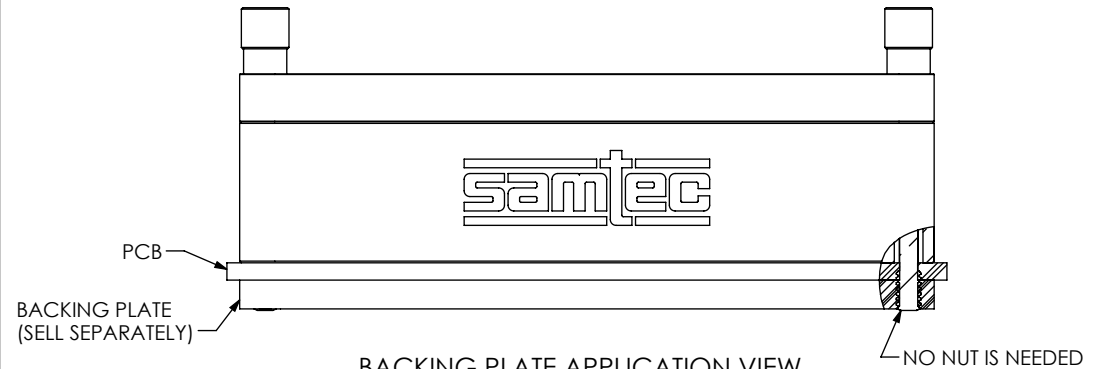


FIG 2
BE70A-M-XXXX-X-1-12-XXXX SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY



BACKING PLATE APPLICATION VIEW
(CABLE ASSEMBLIES NOT SHOWN FOR CLARITY)

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SHEET SCALE: 1:1
DO NOT SCALE DRAWING

DESCRIPTION: BE70A GANGED ASSEMBLY

DWG. NO. BE70A-X-XXXX-X-1-XX-XXXX

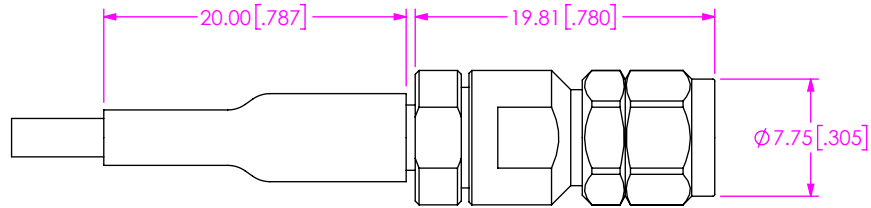


FIG 3
-18SP SHOWN
(CABLE CUT FOR CLARITY ONLY)

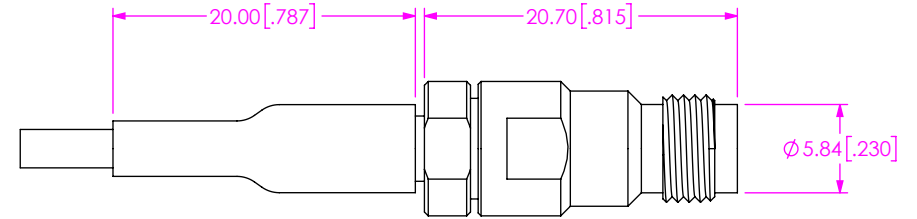
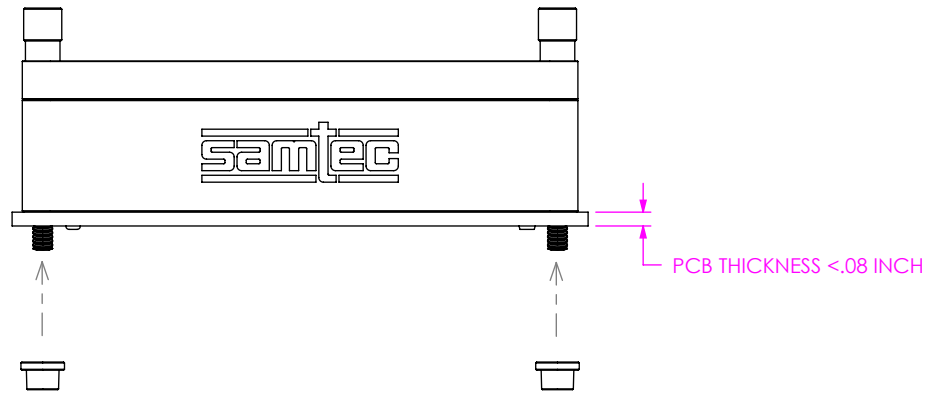
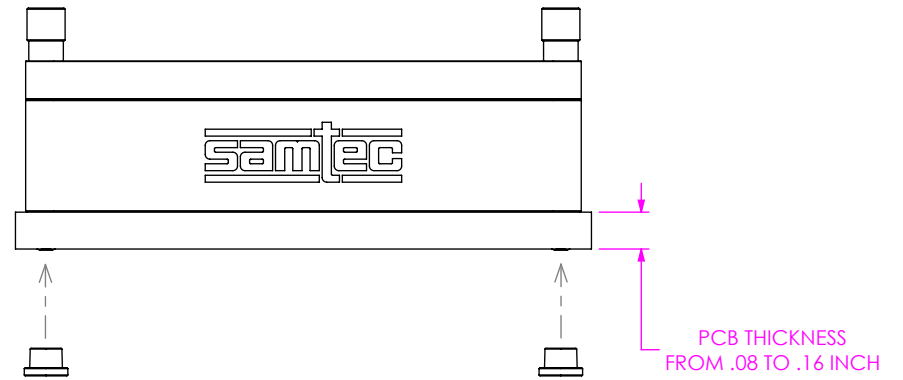


FIG 4
-18SJ SHOWN
(CABLE CUT FOR CLARITY ONLY)



SCALE: 1.2 : 1



SCALE: 1.2 : 1

DIRECTION OF PCB NUTS

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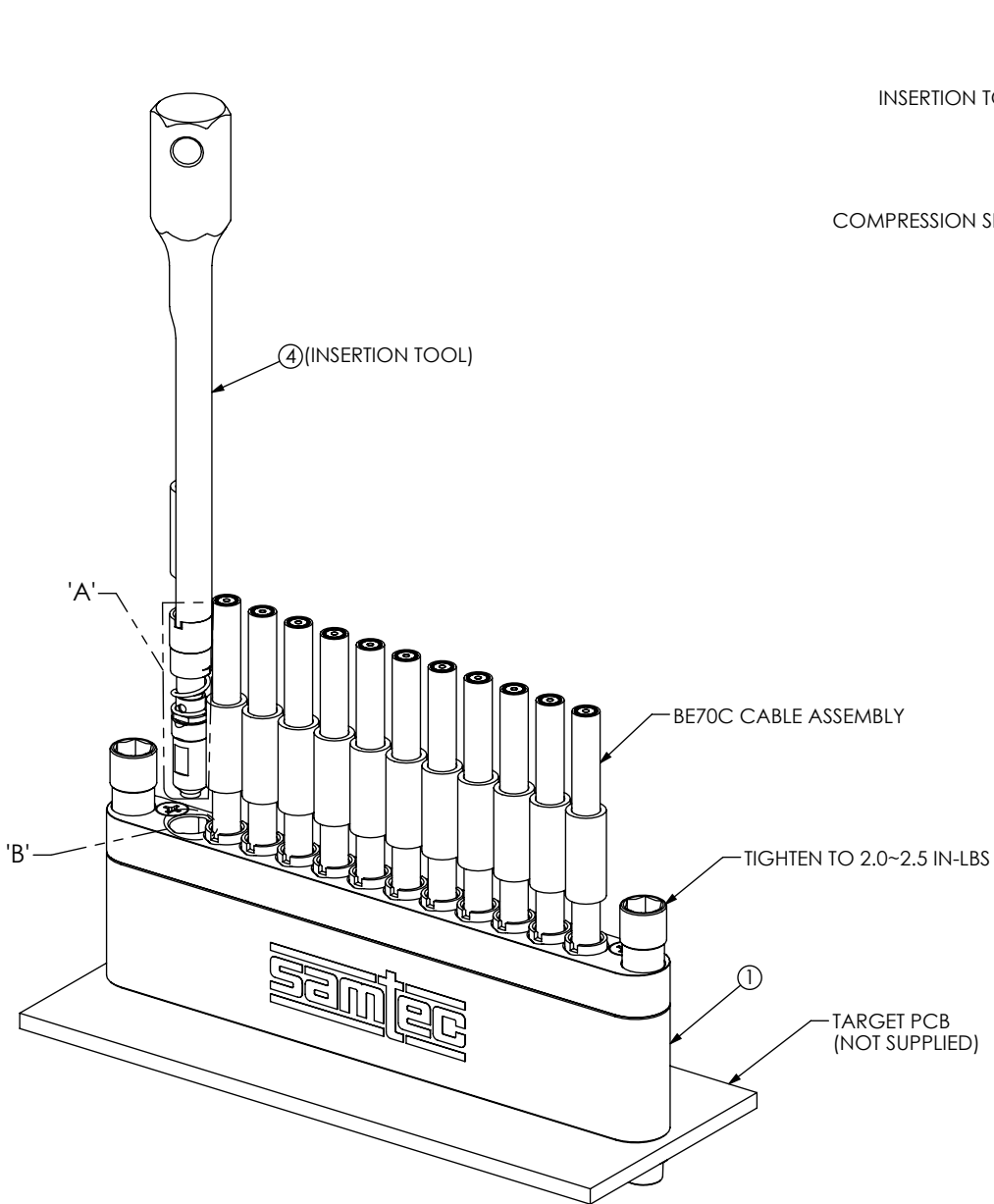


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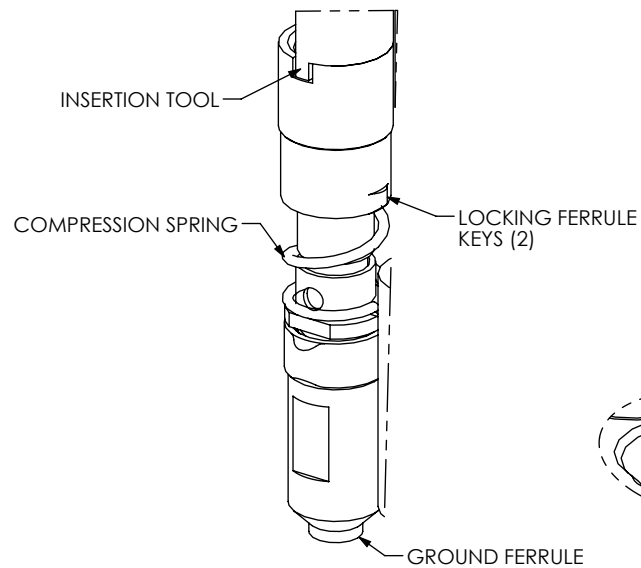
SHEET SCALE: 2:1
DO NOT SCALE DRAWING

DESCRIPTION: BE70A GANGED ASSEMBLY

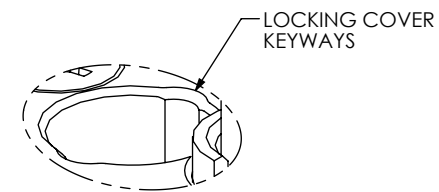
DWG. NO. BE70A-X-XXXX-X-1-XX-XXXX



APPLICATION VIEW



DETAIL 'A'
SCALE 4 : 1



DETAIL 'B'
SCALE 6 : 1

CABLE INSTALLATION PROCEDURE:

INSURE LOCKING FERRULE KEYS (SEE DETAIL 'A') ALIGN WITH KEYWAY FEATURES IN THE CONNECTOR BODY (SEE DETAIL 'B'). PUSH DOWN ON THE LOCKING FERRULE (WITH MINIMAL FORCE) USING THE INSERTION TOOL. TWIST THE INSERTION TOOL CLOCKWISE (IT SHOULD TURN FREELY)

LOCK CHAMBER, LOCATED INSIDE THE CONNECTOR BODY, BY WAY OF THE COMPRESSION SPRING. REPEAT THIS PROCESS WITH REMAINING CABLE ASSEMBLIES .

REVERSE ABOVE PROCEDURE TO DISASSEMBLE.

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SHEET SCALE: 1:2
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DESCRIPTION: BE70A GANGED ASSEMBLY

DWG. NO. BE70A-X-XXXX-X-1-XX-XXXX

BY: EVE L 05/05/2021 SHEET 4 OF 4