

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

c:\enterprisevault\DWG\MISC\MKTG\BE90A-X-XXXX-X-X-XX-XXXX-MKT.SLDDRW

TABLE 2

END OPTION	SERIES	GENDER	FINISH			CONNECTOR KIT P/N	FIGURE
			CENTER CONTACT	OUTER CONTACT	CABLE BODY		
-10BJ	1.00 MM	JACK	50μ" GOLD	PASSIVATED	PASSIVATED	PRF10-J-C-VP-047A-BS	SHT 3, FIG 4
-10SP	1.00 MM	PLUG	50μ" GOLD	PASSIVATED	PASSIVATED	PRF10-P-C-VP-047A-SS	SHT 3, FIG 5
-13BJ	1.35 MM	JACK	50μ" GOLD	PASSIVATED	PASSIVATED	PRF13-J-C-VP-047A-BS	SHT 3, FIG 6
-13SP	1.35 MM	PLUG	50μ" GOLD	PASSIVATED	PASSIVATED	PRF13-P-C-VP-047A-SS	SHT 3, FIG 7
-18SP	1.85 MM	PLUG	50μ" GOLD	PASSIVATED	PASSIVATED	PRF18-P-C-EP-047A-SS	SHT 4, FIG 11
-18SJ	1.85 MM	JACK	50μ" GOLD	PASSIVATED	PASSIVATED	PRF18-J-C-EP-047A-SS	SHT 4, FIG 12
-24SP	2.4 MM	PLUG	50μ" GOLD	PASSIVATED	PASSIVATED	PRF24-P-C-EP-047A-SS	SHT 4, FIG 13
-24SJ	2.4 MM	JACK	50μ" GOLD	PASSIVATED	PASSIVATED	PRF24-J-C-EP-047A-SS	SHT 4, FIG 14
-92SP	2.92 MM	PLUG	50μ" GOLD	PASSIVATED	PASSIVATED	PRF92-P-C-EP-047A-SS	SHT 5, FIG 15
-92SJ	2.92 MM	JACK	50μ" GOLD	PASSIVATED	PASSIVATED	PRF92-J-C-EP-047A-SS	SHT 5, FIG 16
-M0SJ	SMPM	JACK	30μ" GOLD	10μ" GOLD	3μ" GOLD	PRFM0-J-C-HG-047A-SD	SHT 5, FIG 17
-00SJ	SMP	JACK	50μ" GOLD	50μ" GOLD	50μ" GOLD	PRF00-J-C-EE-047A-SD-X	SHT 5, FIG 18

TABLE 3: FINAL ASSEMBLY LENGTH TOLERANCE

OVERALL LENGTH	TOLERANCE
0100-0200 [3.94-7.87]	+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 5 - PHASE MATCHED PAIRS

PAIR NO.	POSITION	POSITION
1	A01	A02
2	A03	A04
3	A05	A06
...	...	...
6	A11	A12
7	A13	A14
8	A15	A16
9	B01	B02
10	B03	B04
11	B05	B06
...	...	...
15	B13	B14
16	B15	B16

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

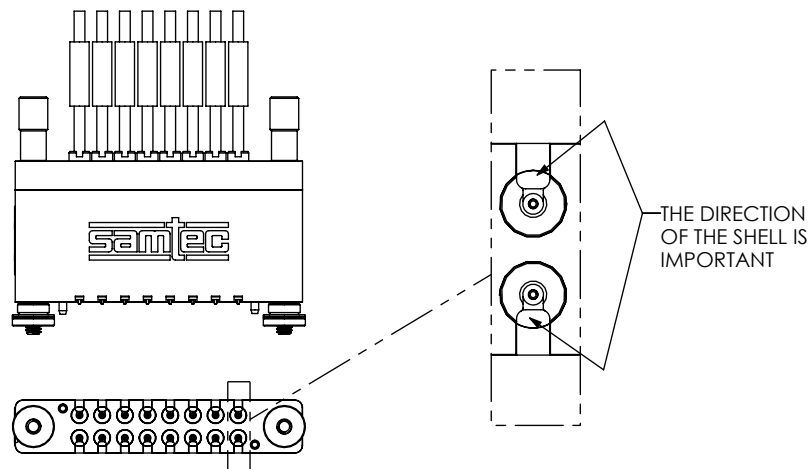


FIG 3

BE90A-M-XXXX-X-2-08-XXXX SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
END 2 NOT SHOWN FOR CLARITY

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

DESCRIPTION: BE90A GANGED ASSEMBLY
DWG. NO. BE90A-X-XXXX-X-X-XX-XXXX
BY: EVE L 12/25/2021 SHEET 2 OF 8

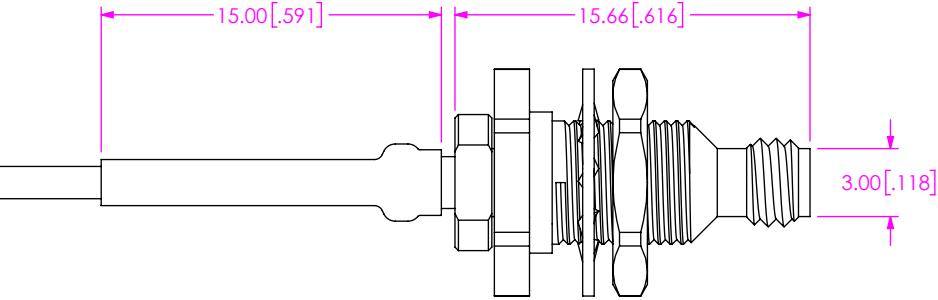


FIG 4
-10BJ SHOWN
(CABLE CUT FOR CLARITY ONLY)

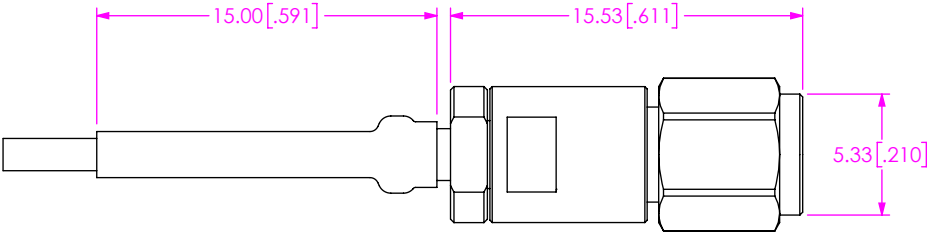


FIG 5
-10SP SHOWN
(CABLE CUT FOR CLARITY ONLY)

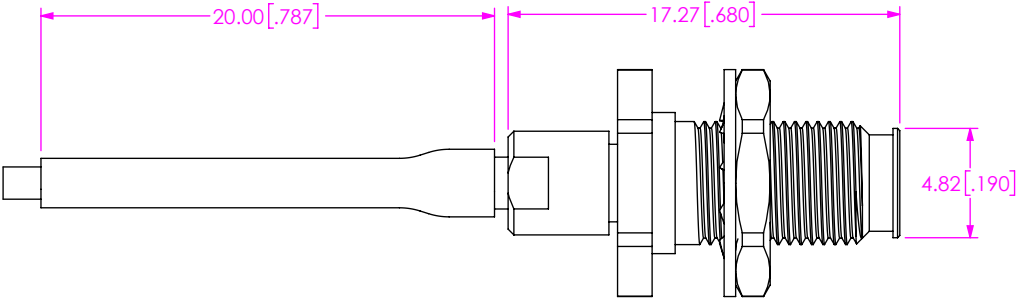


FIG 6
-13BJ SHOWN
(CABLE CUT FOR CLARITY ONLY)

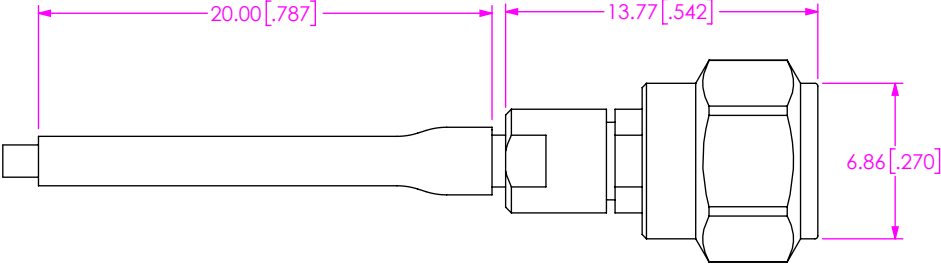


FIG 7
-13SP SHOWN
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	DWG. NO. BE90A-X-XXXX-X-X-XX-XXXX
BY: EVE L 12/25/2021 SHEET 3 OF 8	

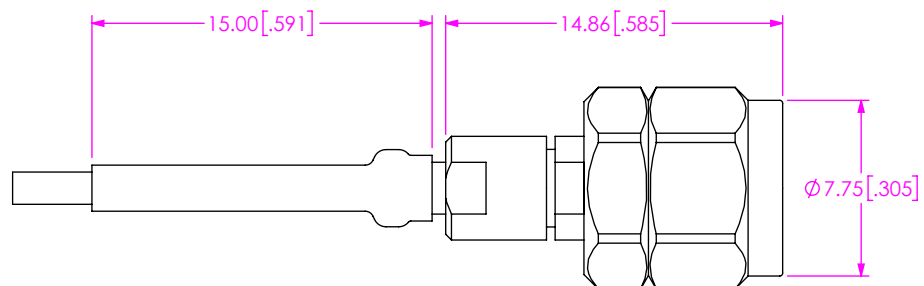


FIG 11
-18SP SHOWN
(CABLE CUT FOR CLARITY ONLY)

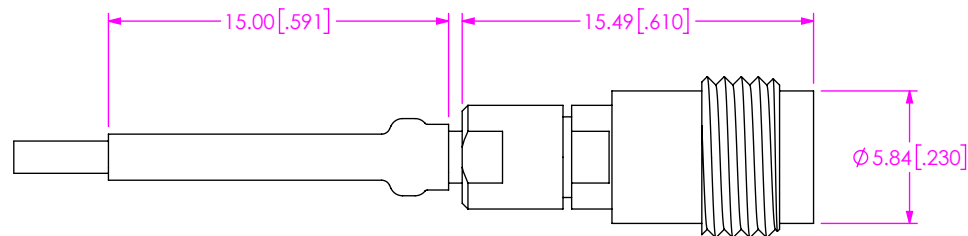


FIG 12
-18SJ SHOWN
(CABLE CUT FOR CLARITY ONLY)

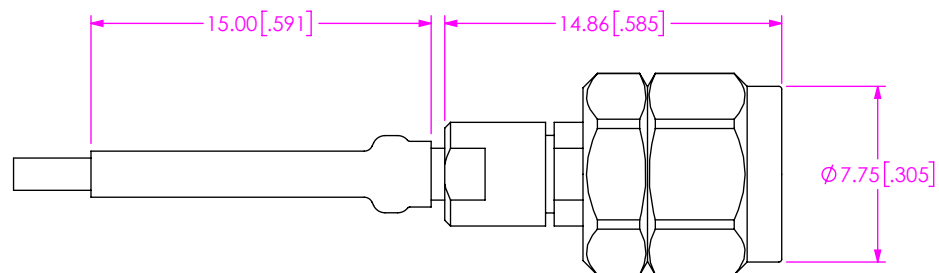


FIG 13
-24SP SHOWN
(CABLE CUT FOR CLARITY ONLY)

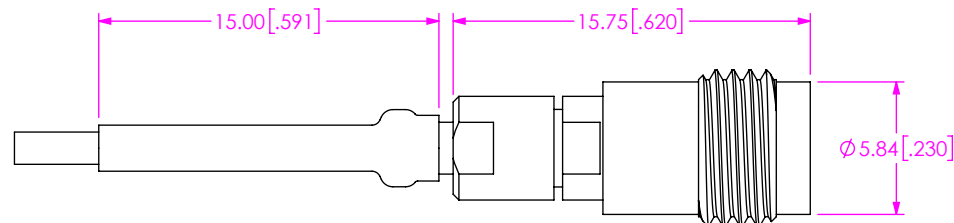


FIG 14
-24SJ SHOWN
(CABLE CUT FOR CLARITY ONLY)

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BE90A GANGED ASSEMBLY

DWG. NO.
BE90A-X-XXXX-X-X-XX-XXXX

BY: EVE L 12/25/2021 SHEET 4 OF 8

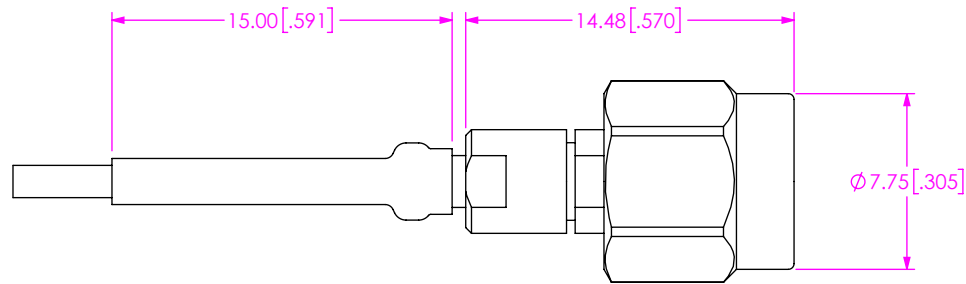


FIG 15
-92SP SHOWN
(CABLE CUT FOR CLARITY ONLY)

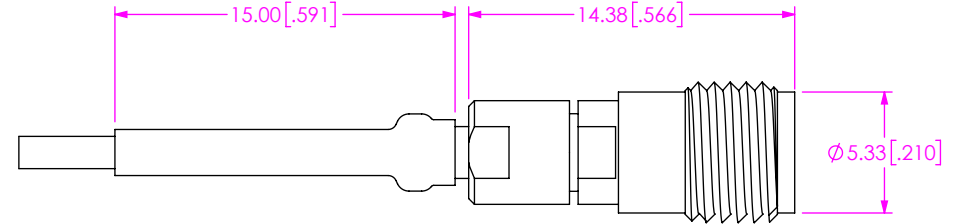


FIG 16
-92SJ SHOWN
(CABLE CUT FOR CLARITY ONLY)

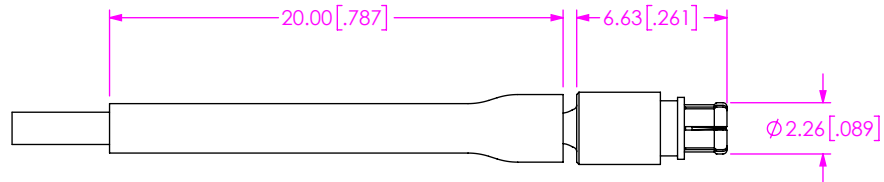


FIG 17
-M0SJ SHOWN
(CABLE CUT FOR CLARITY ONLY)

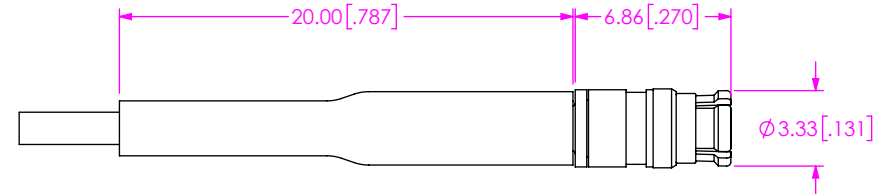


FIG 18
-00SJ SHOWN
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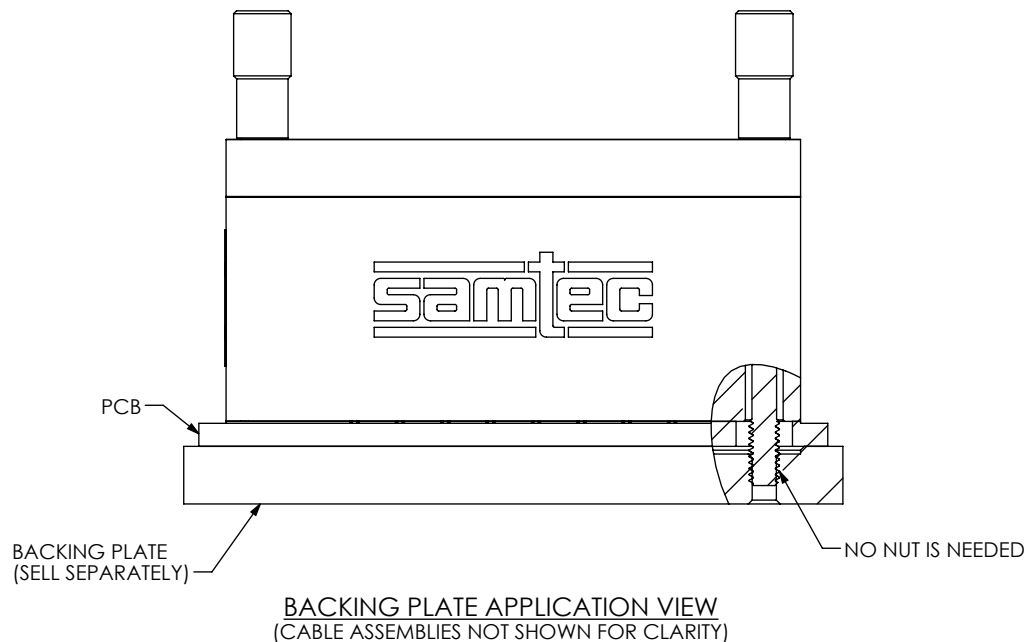
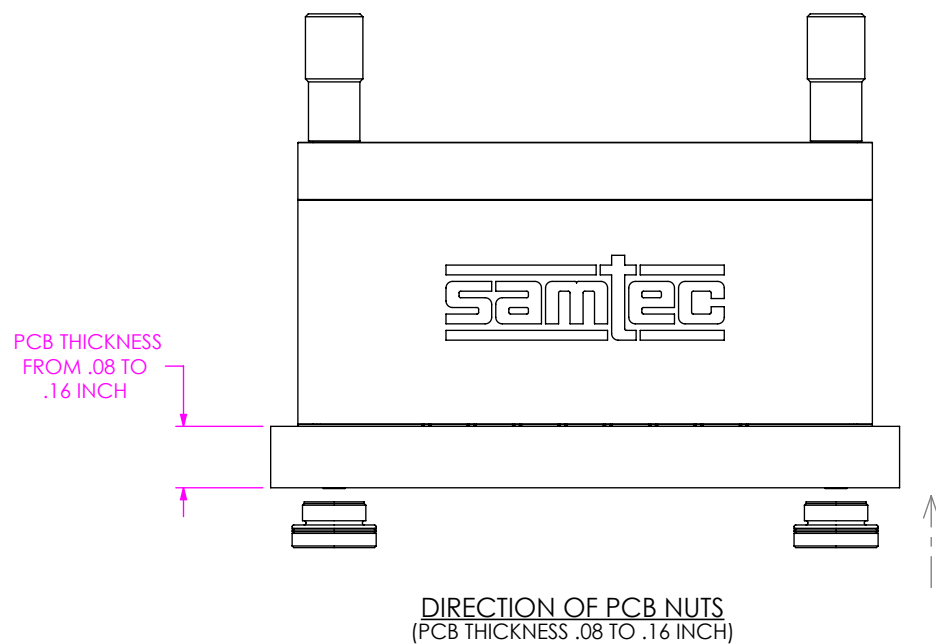
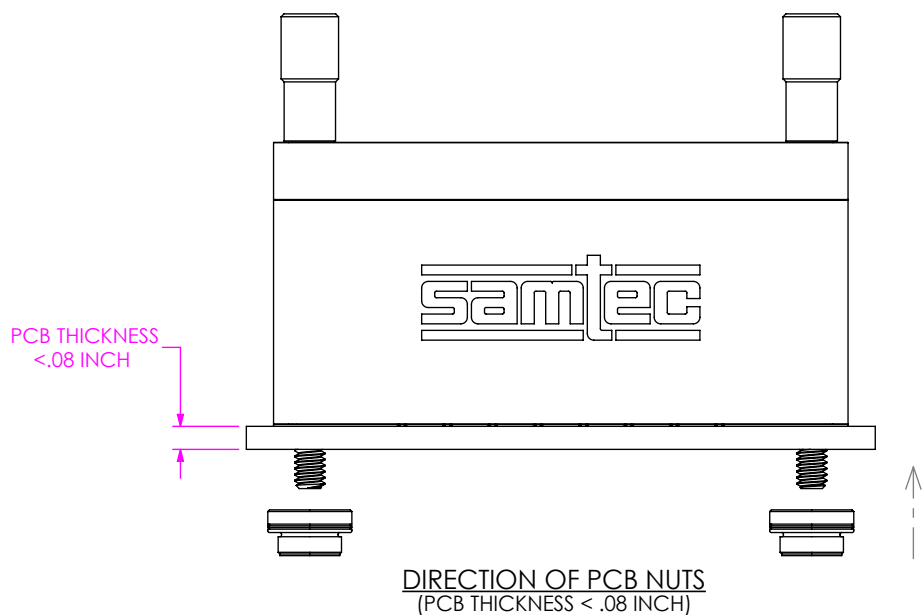
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DESCRIPTION:
BE90A GANGED ASSEMBLY

DWG. NO.
BE90A-X-XXXX-X-X-XX-XXXX

BY: EVE L 12/25/2021 SHEET 5 OF 8



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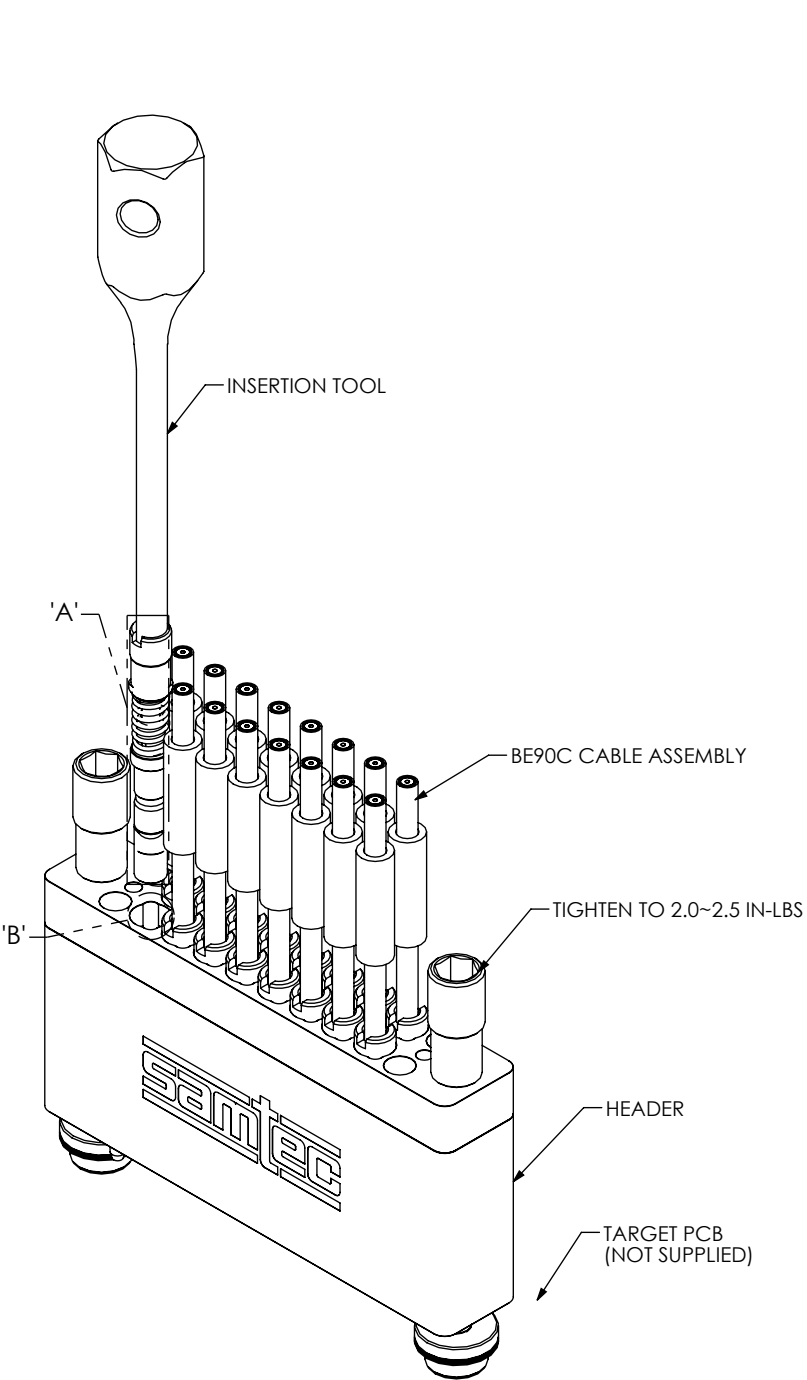
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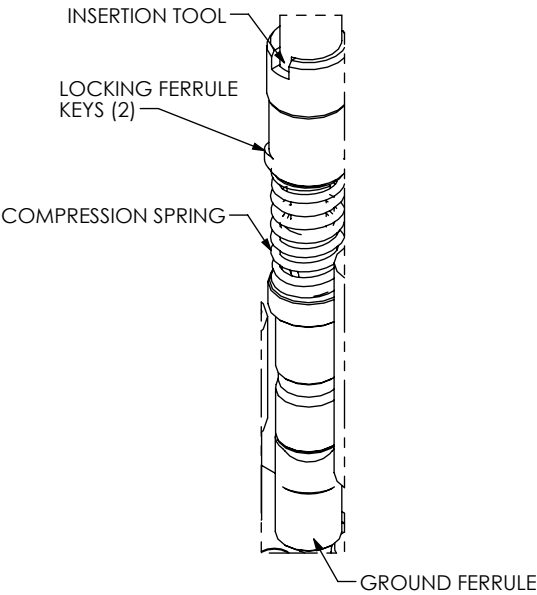
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BY: EVE L 12/25/2021 SHEET 6 OF 8



APPLICATION VIEW FOR CABLE ASSEMBLY



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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	BY: EVE L 12/25/2021	DWG. NO. BE90A-X-XXXX-X-X-XX-XXXX SHEET 7 OF 8

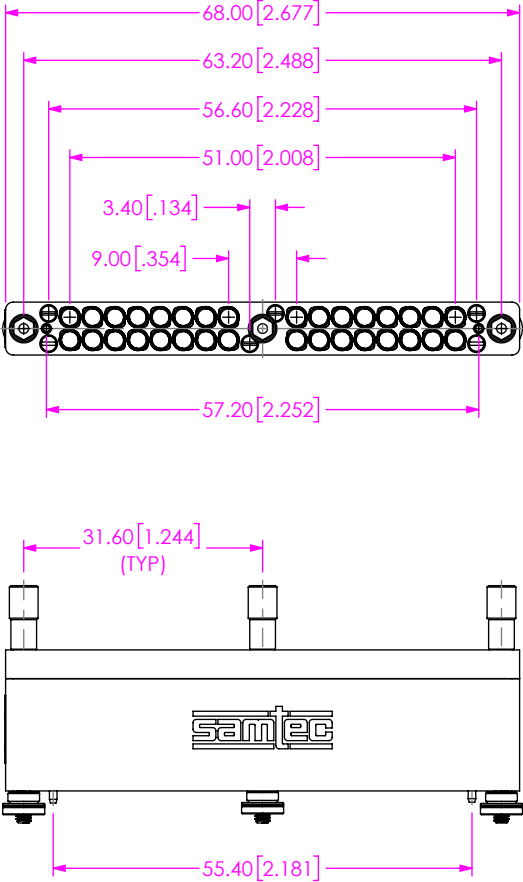


FIG 8
BE90A-S-XXXX-X-2-16-XXXX SHOWN
(CABLE ASSEMBLIES NOT SHOWN FOR CLARITY)

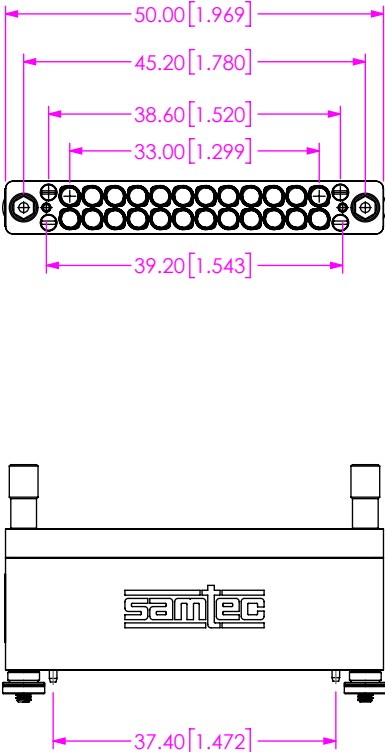


FIG 9
BE90A-S-XXXX-X-2-12-XXXX SHOWN
(CABLE ASSEMBLIES NOT SHOWN FOR CLARITY)

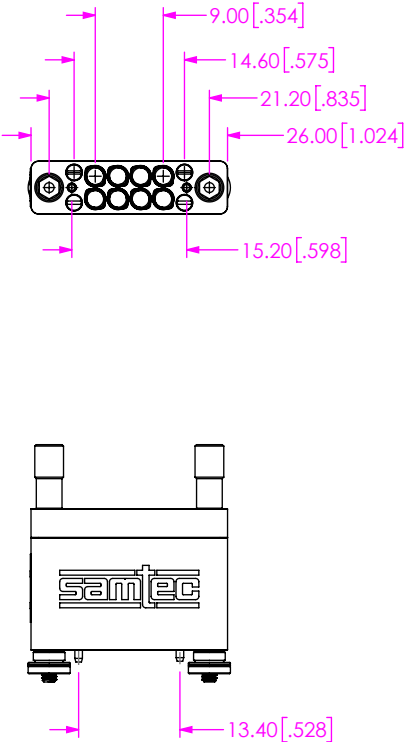


FIG 10
BE90A-S-XXXX-X-2-04-XXXX SHOWN
(CABLE ASSEMBLIES NOT SHOWN FOR CLARITY)

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