REVISION J

THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

DO NOT **SCALE FROM** THIS PRINT

TABLE 2					
ITEM	COMPONENT	PART NUMBER	QUANTITY		
1	HEADER	BQR-J-20	1		
2	CABLE ASSEMBLY	BE23S-XXXX-XX-02-XXXX (SEE TABLE 4 & 5, SHEET 2)	10		
3	ITEM DELETED				
4	POSITION LABEL	HDRL-16	20		
5	ESD BAG 1	BAG-SS-09X12	1		
6	ESD BAG 2	BAG-SS-02X03-Z	1		
7	TOOL	CAT-EX-SCC-03	1		

END 2 CONNECTOR

-SCC3: PRB3-P-C-XX-ST-CS3(SEE SHEET 3) -92SJ: 292XX-J-C-XX-ST-CS3 (SEE SHEET 3)

BQRA-XXXXX-XX-XX-XXXX

-92SP: 292XX-P-C-XX-ST-CS3 (SEE SHEET 3)

END 2 PLATING OPTION

1: GOLD ALL COMPONENTS P: HEAVY GOLD / PASSIVATED STAINLESS STEEL (SEE SHEET 2 FOR PLATING SPECIFICS)

OVERALL CABLE LENGTH (MILLIMETERS) 0100-9999 [3.9 - 393.7] (SEE NOTE 8 & 9)

PHASE MATCHED PAIRS

(SEE SHEET 2, TABLE 3)

PHASE MATCHING SPEC (RANGE)

-02: 2.0 PICO-SECOND

-05: 5.0 PICO-SECONDS -10: 10.0 PICO-SECONDS

LENGTH XXXX (SEE TABLE 1 FOR TOLERANCE) __18.68 .735 REF \emptyset 2.84 [.112] (SEE NOTE 2) REF 4.00 .157 REF (TYP) Ø1.24 .049 **REF** 38.46 [1.514] Ø 1.88 .074 REF CABLE ASSEMBLIES NOT SHOWN FOR CLARITY (SEE NOTE 10) XX XX PAT FIG 1 BQRA-92SPX-XX-XX-XXXX SHOWN →25.40±10.00[1.000±.394]

NOTES:

- 1. © REPRESENTS A CRITICAL DIMENSION
- 2. USE DRAWING No. BE23S-XXXXX-XX-XX-XXXX FOR CABLE ASSEMBLY INSTRUCTIONS
- 3. PARTS TO BE PROCESSED PER SAMTEC WORKMANSHIP GUIDELINES.
- ©4. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED. ©5. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
- 6. FOR SUB-ASSEMBLY AND FINISHED GOOD PACKAGING REQUIREMENTS, REFERENCE SAMTEC PACKAGING STANDARD, LOCK WASHERS AND NUTS TO BE SHIPPED UNASSEMBLED.
- 7. SEE SHEET 2, TABLE 2 FOR PHASE MATCHING REQUIREMENTS.
- 8. CABLE STOCKED IN INCHES, 1 INCH = 25.4 MILLIMETERS.
- 9. CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA.
- 10. PRINT CABLE POSITION AND "PAT" (3 LINES POR POSITION) AND APPLY TO CABLES (TAG STYLE) AS SHOWN.

F:\DWG\MISC\MKTG\BQRA-XXXXX-XX-XXX-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE: DECIMALS ANGLES

.X: ±.3[.01] .XX: ±.13[.005] .XXX: ±.051[.0020]

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SHEET SCALE: 5:4

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

DESCRIPTION:

BULLSEYE QUAD ROW, 20 POSITION, ASSEMBLY

BQRA-XXXXX-XX-XXXXX

BY: EMMA CHEN 4/2/2014 SHEET 1 OF 5

TABLE 5				
BQRA-XXXXX-XX-10-XXXX ■	BE23S-XXXXX-XX-02-XXXX ■			
BQRA-XXXXX-02-10-XXXX	BE23S-XXXXX-02-02-XXXX			
BQRA-XXXXX-05-10-XXXX	BE23S-XXXXX-05-02-XXXX			
BQRA-XXXXX-10-10-XXXX	BE23S-XXXXX-10-02-XXXX			

■ BE23S' OVERALL CABLE LENGTH OPTION IS SAME AS BQRA'S

TABLE 4			
BQRA-XXXXX-XX-10-XXXX ■	BE23S-XXXXX-XX-02-XXXX ■		
BQRA-SCC31-XX-10-XXXX	BE23S-SCC31-XX-02-XXXX		
BQRA-92SJP-XX-10-XXXX	BE23S-92SJP-XX-02-XXXX		
BQRA-92SPP-XX-10-XXXX	BE23S-92SPP-XX-02-XXXX		

■ BE23S' OVERALL CABLE LENGTH OPTION IS SAME AS BQRA'S

TABLE 1: FINAL ASSEMBLY LENGTH TOLERANCE		
LENGTH	TOLERANCE	
0100-0200 [3.92-7.87]	+3.0 [.12]/-0.0 [.00]	
0200-0500 [7.87-19.69]	+5.0 [.20]/-0.0 [.00]	
0500-1100 [19.69-43.30]	+10.0 [.40] /-0.0 [.00]	

TABLE 3 - PHASE MATCHED PAIRS		
LOCATION	PAIR NO.	
1	1	
2	1	
3	2	
4	2	
5	3	
6	3	
7	4	
8	4	
9	5	
10	5	
11	6	
12	6	
13	7	
14	7	
15	8	
16	8	
17	9	
18	9	
19	10	
20	10	

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

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SHEET SCALE: 1:1



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DESCRIPTION:

BULLSEYE QUAD ROW, 20 POSITION, ASSEMBLY

BQRA-XXXXX-XX-XXXXX

BY: EMMA CHEN 4/2/2014 SHEET 2 OF 5

REVISION J

<u>-SCC3</u> (ROUND TIP/STD. FERRULE)

(USE DRAWING No. PRB3-P-C-XX-ST-CS3 FOR ASSEMBLY INSTRUCTIONS)



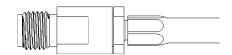
PLATING

1: 30µ" MIN. GOLD CENTER CONTACT 3µ" MIN. GOLD OUTER CONTACT 3µ" MIN. GOLD REMAINING METAL PARTS (END CONNECTOR P/N: PRB3-P-C-HF-ST-CS3)

NOTE: ALL CRITICAL DIMENSIONS ON PRB3-P-C-XX-ST-CS3 THAT APPLY MUST BE VERIFIED.

<u>-92SJ</u> (STRAIGHT JACK)

(USE DRAWING No. 292XX-J-C-XX-ST-CS3 FOR ASSEMBLY INSTRUCTIONS)



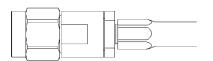
PLATING OPTIONS

P: 30µ" MIN. GOLD CENTER CONTACT PASSIVATED STAINLESS STEEL OUTER CONTACT 3µ" MIN. GOLD REMAINING METAL PARTS (END CONNECTOR P/N: 292PS-J-C-HP-ST-CS3)

NOTE: ALL CRITICAL DIMENSIONS ON 292XX-J-C-XX-ST-CS3 THAT APPLY MUST BE VERIFIED.

-92SP (STRAIGHT PLUG)

(USE DRAWING No. 292XX-P-C-XX-ST-CS3 FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

P: 30µ" MIN. GOLD CENTER CONTACT PASSIVATED STAINLESS STEEL OUTER CONTACT 3µ" MIN. GOLD REMAINING METAL PARTS (END CONNECTOR P/N: 292PS-P-C-HP-ST-CS3)

NOTE: ALL CRITICAL DIMENSIONS ON 292XX-P-C-XX-ST-CS3 THAT APPLY MUST BE VERIFIED.

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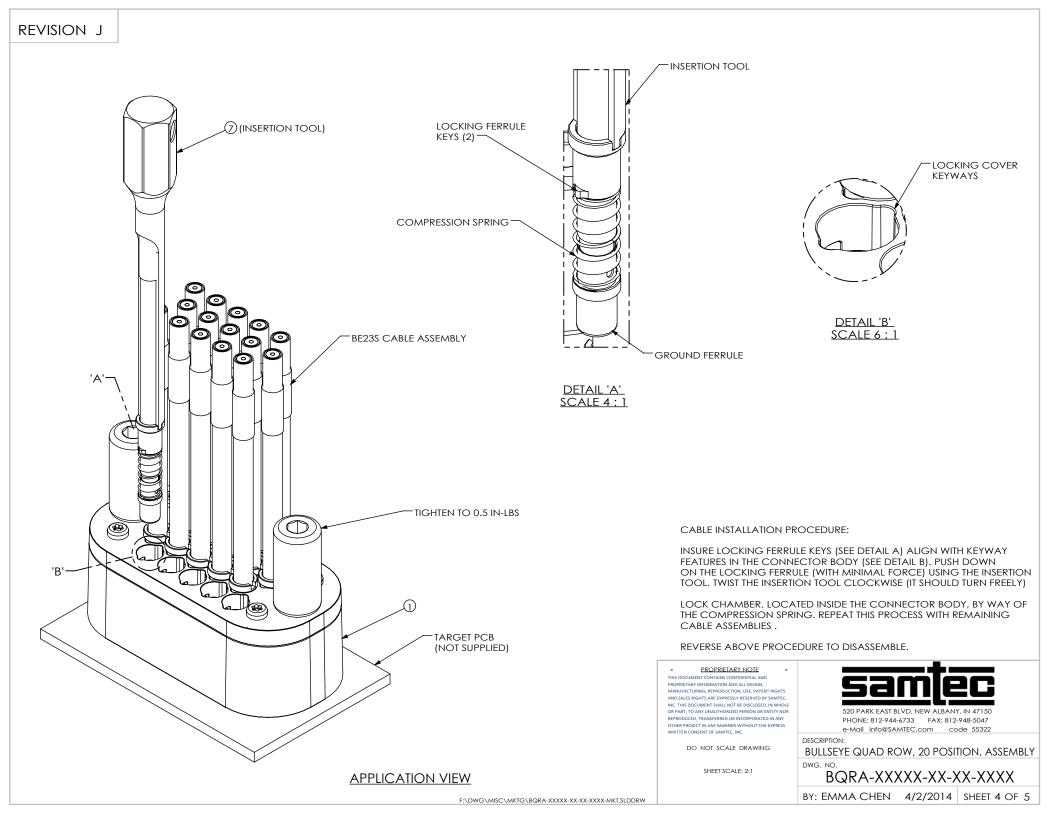
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DESCRIPTION:

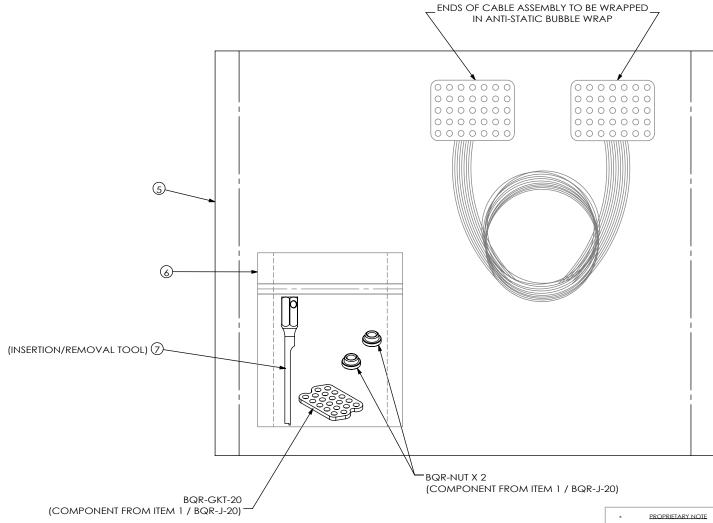
BULLSEYE QUAD ROW, 20 POSITION, ASSEMBLY

BQRA-XXXXX-XX-XX-XXXX

BY: EMMA CHEN 4/2/2014 SHEET 3 OF 5



PACKAGING VIEW



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SHEET SCALE: 2:1



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DESCRIPTION:

BULLSEYE QUAD ROW, 20 POSITION, ASSEMBLY

F:\DWG\MISC\MKTG\BQRA-XXXXX-XX-XX-XXX-MKT.SLDDRW