

DO NOT SCALE FROM THIS PRINT

Pb THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

END TO END	"B"
DV TO DV	.820 [20.82]

EQRP-XXX-XX.XX-XXX-XXX-X-X

No OF PAIRS
-018, -036, -054
(NUMBER OF PAIRS)

LENGTH
-XX.XX (INCHES)
(01.72 [43.7] MIN)
(SEE NOTE 8)
(SEE NOTE 9)

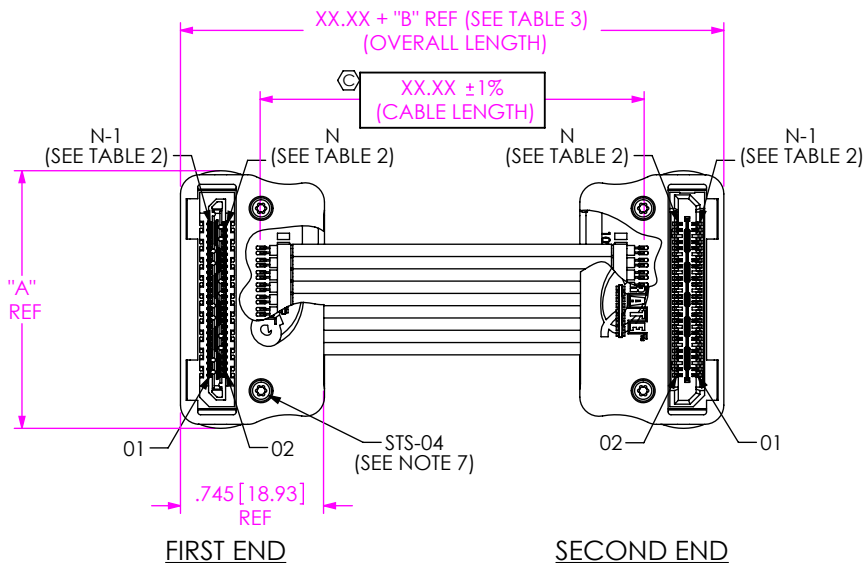
END OPTION
-F: SCREW OPTION FIRST END ONLY
-S: SCREW OPTION SECOND END ONLY
-B: SCREW OPTION BOTH ENDS
-N: NO CAP OPTION BOTH ENDS
(SEE SHEET 3, FIGURE 3 FOR DETAILS)
(LEAVE BLANK FOR STANDARD HOUSINGS)

WIRING OPTION
-1: PIN 1 TO PIN 1
-2: PIN 1 TO PIN 2
-3: PIN 1 TO PIN N-1
-4: PIN 1 TO PIN N
(SEE TABLE 6, SHEET 4)

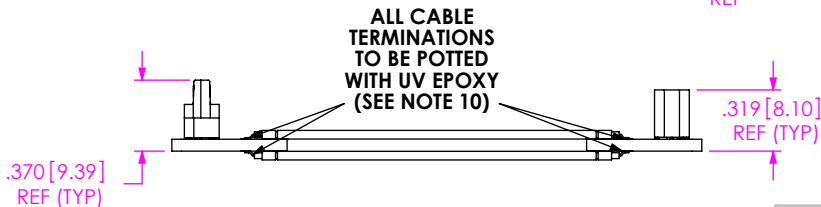
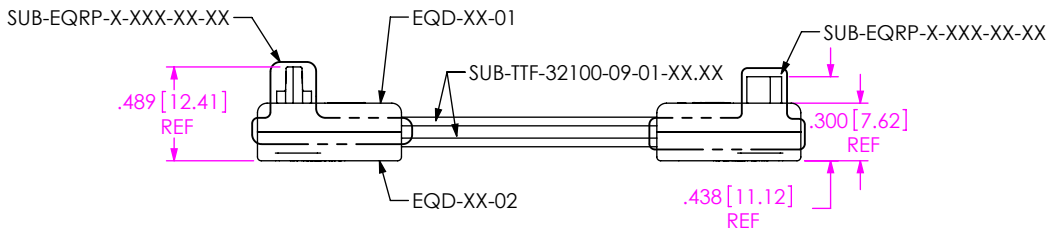
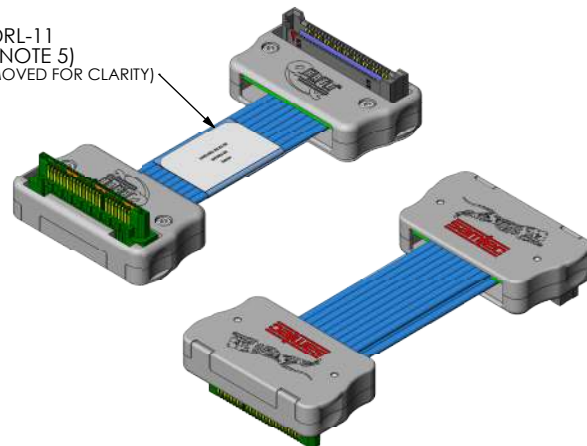
FIRST END
-TTR: TERMINAL, TOP, RIGHT
-TTL: TERMINAL, TOP, LEFT
-TBR: TERMINAL, BOTTOM, RIGHT
-TBL: TERMINAL, BOTTOM, LEFT
-STR: SOCKET, TOP, RIGHT
-STL: SOCKET, TOP, LEFT
-SBR: SOCKET, BOTTOM, RIGHT
-SBL: SOCKET, BOTTOM, LEFT

SECOND END
-TTR: TERMINAL, TOP, RIGHT
-TTL: TERMINAL, TOP, LEFT
-TBR: TERMINAL, BOTTOM, RIGHT
-TBL: TERMINAL, BOTTOM, LEFT
-STR: SOCKET, TOP, RIGHT
-STL: SOCKET, TOP, LEFT
-SBR: SOCKET, BOTTOM, RIGHT
-SBL: SOCKET, BOTTOM, LEFT

FIG 1
(EQRP-018-XX.XX-TTL-STR-X-X SHOWN)



HDRL-11
(SEE NOTE 5)
(TOP CABLE REMOVED FOR CLARITY)



NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. PARTS TO BE PROCESSED PER SAMTEC BOUNDARY DOCUMENTS GUIDELINES.
3. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED.
4. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
5. LABEL TO BE CENTERED ON BOTTOM CABLE AS SHOWN. LABEL TO CONTAIN:
LINE 1 - PART NUMBER "EQRP-XXX-XX.XX-XXX-XXX-X"
LINE 2 - SHOP ORDER NUMBER "XXXXXX"
LINE 3 - DATE CODE "XXXXXX"
6. FOR PACKAGING REQUIREMENTS REFERENCE PACKAGING STANDARDS.
7. TIGHTEN STS-04 FASTENERS TO 1.4-1.7 IN-LBS (4 PLCS).
8. SUB-TTF LENGTH IS EQUAL TO EQRP LENGTH.
9. CABLE LENGTHS LONGER THAN 40.00 INCHES ARE NOT SUPPORTED BY S.I. TEST DATA.
10. ALL END OPTION, W/ OR W/OUT CAPS, MUST BE POTTED WITH UV EPOXY ON CABLE TERMINATIONS(SEE SHEET 3).
11. REFER TO PREP-SPEC DRAWING FOR CABLE PREP DIMENSIONS. ASSEMBLY USES STANDARD PCB PREP.

# OF PAIRS	N	N-1
-018	36	35
-036	72	71
-054	108	107

# OF PAIRS	"A"	EQD-XX-01	EQD-XX-02	SUB-TTF-32100-XX-XX-XX-XX		SUB-EQRP-X-XXX-XX-XX-X (SEE TABLE 6)
				PART #	QTY	
-018	1.300 [33.02]	EQD-01-01	EQD-01-02	SUB-TTF-32100-09-01-XX.XX	2	SUB-EQRP-X-018-XX-XX-X
-036	2.276 [57.81]	EQD-02-01	EQD-02-02	SUB-TTF-32100-09-01-XX.XX	4	SUB-EQRP-X-036-XX-XX-X
-054	3.253 [82.63]	EQD-03-01	EQD-03-02	SUB-TTF-32100-09-01-XX.XX	6	SUB-EQRP-X-054-XX-XX-X

TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS, UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
XX: ±.01 [3] 2°
.XXX: ±.005 [13]
.XXXX: ±.0020 [051]

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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

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:1
PLATING: -S GOLD: 30µ CONTACT

DESCRIPTION:
0.8MM Q-RATE TWINAX CABLE ASSEMBLY
DWG. NO.
EQRP-XXX-XX.XX-XXX-XXX-X-X
BY: J. Riley 08/10/09 SHEET 1 OF 4

FIRST END

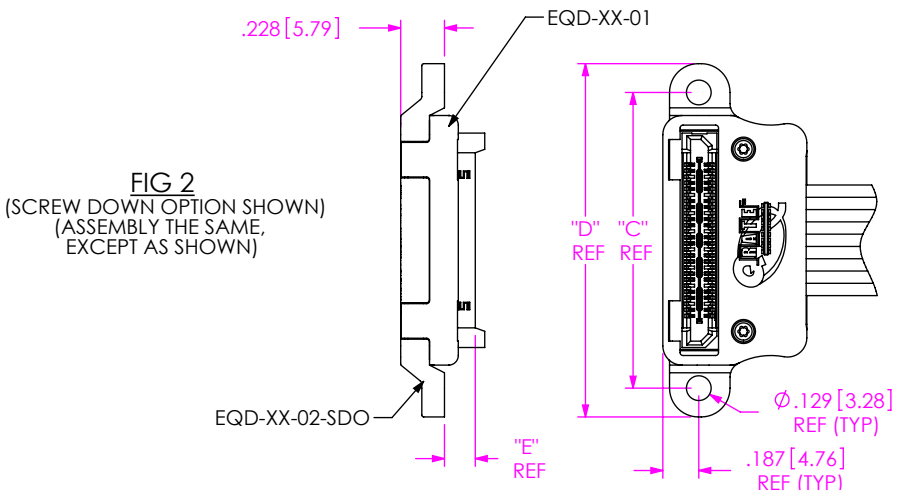
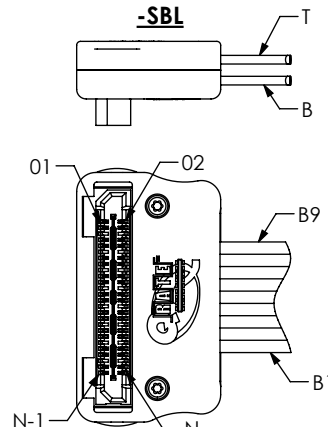
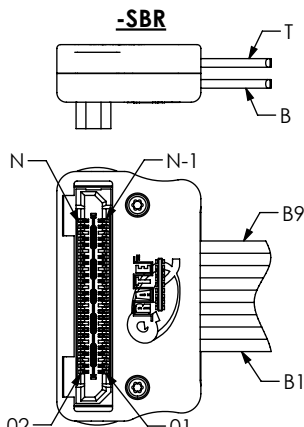
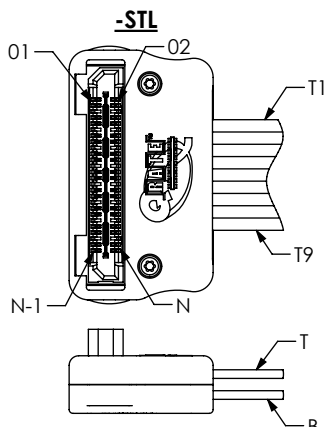
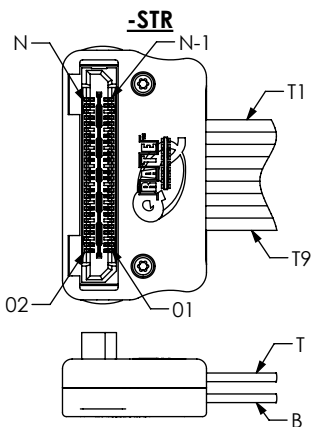
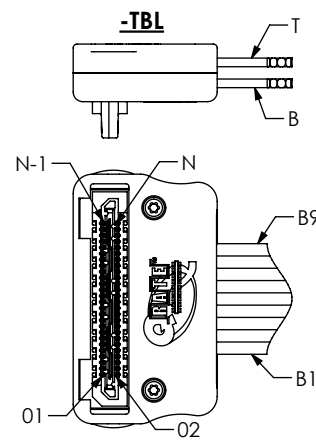
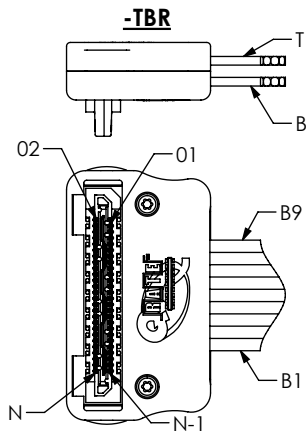
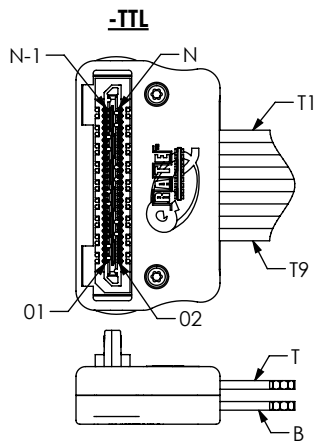
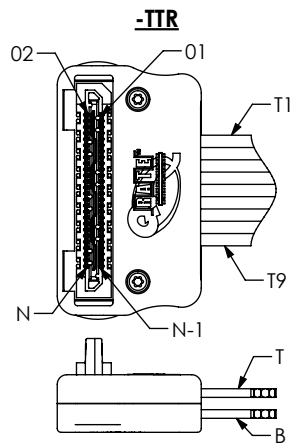


TABLE 4

# OF PAIRS	"C"	"D"	EQD-XX-02-SDO
-018	1.540 [39.12]	1.840 [46.74]	EQD-01-02-SDO
-036	2.516 [63.91]	2.816 [71.53]	EQD-02-02-SDO
-054	3.492 [88.70]	3.792 [96.32]	EQD-03-02-SDO

TABLE 5

END OPTION	"E"
-TXX	.135 [3.43]
-SXX	.160 [4.08]

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DESCRIPTION:
 0.8MM Q-RATE TWINAX CABLE ASSEMBLY

DWG. NO.
 EQRP-XXX-XX.XX-XXX-XXX-X-X

BY: J. Riley 08/10/09 SHEET 2 OF 4

SECOND END

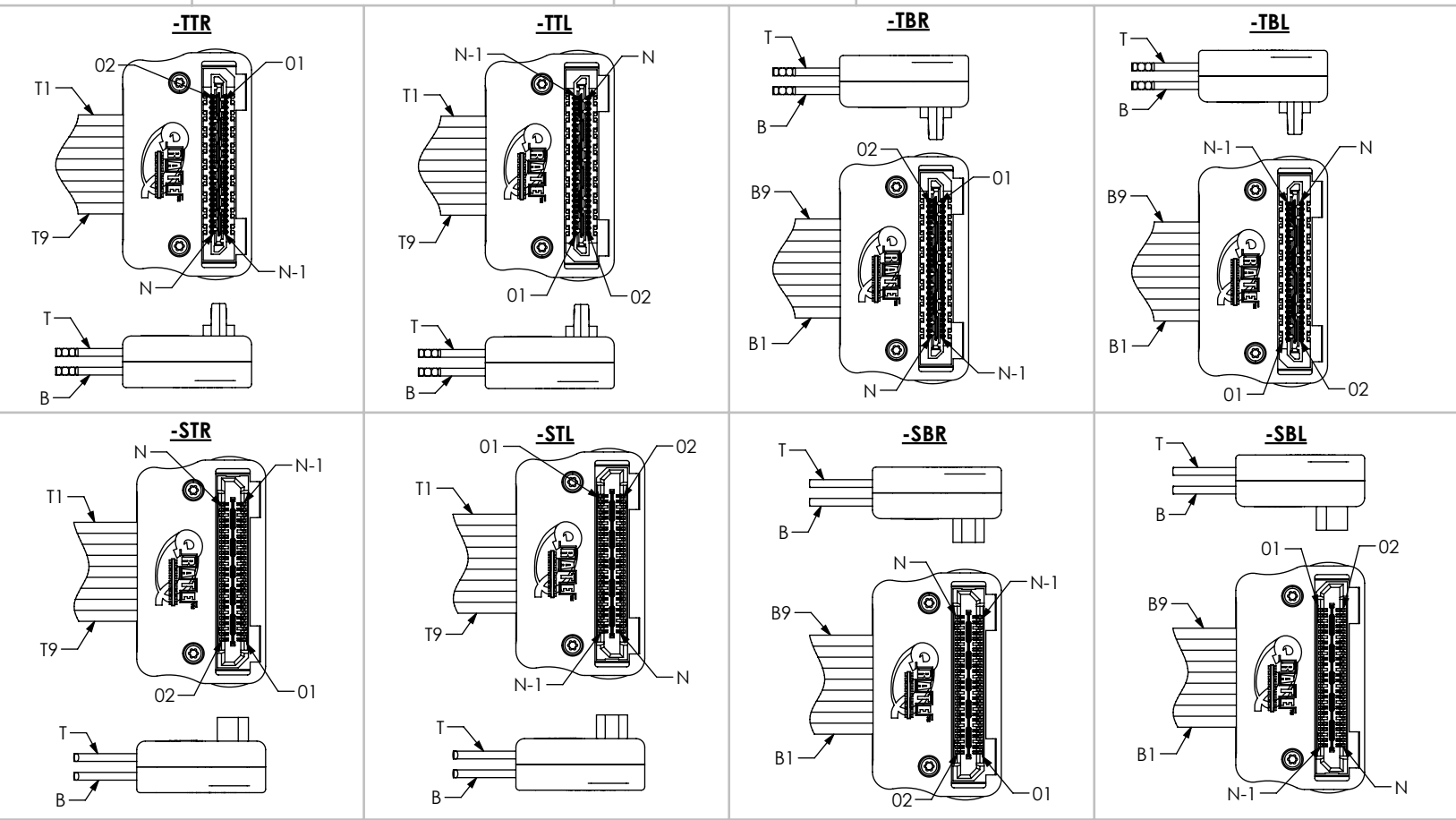


FIG 3
(EQRP-018-XX.XX-TTL-STR-X-X SHOWN)
(ASSEMBLY THE SAME,
EXCEPT AS SHOWN)

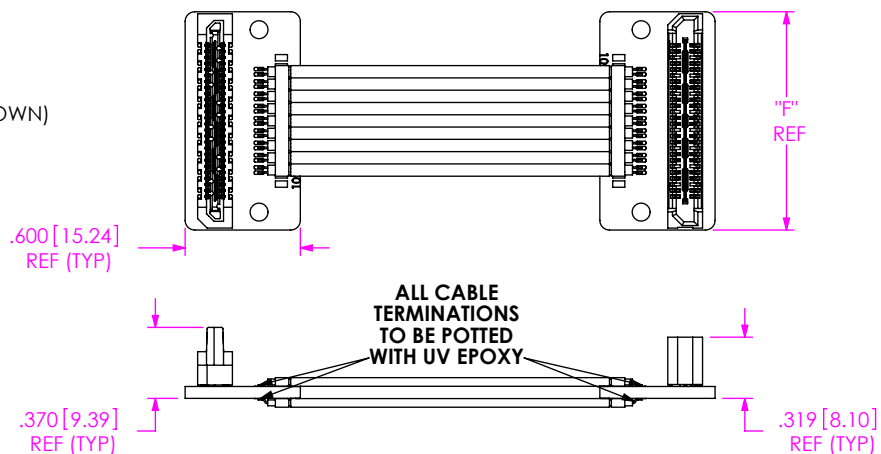


TABLE 8

# OF POSITIONS	"F"
-018	1.136 [28.85]
-036	2.113 [53.67]
-054	3.089 [78.46]

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DESCRIPTION:
0.8MM Q-RATE TWINAX CABLE ASSEMBLY

DWG. NO.
EQRP-XXX-XX.XX-XXX-XXX-X-X


BY: J. Riley 08/10/09 SHEET 3 OF 4

TABLE 6

FIRST END OPTION	FIRST END SUB-EQRP-X-XXX-XX-01	WIRING OPTION	FIRST END PIN #	SECOND END PIN #	WIRE #	SECOND END OPTION (SUB-EQRP-X-XXX-XX-XX)							
						-TTR	-TTL	-TBR	-TBL	-STR	-STL	-SBR	-SBL
-TTR	-T-XXX-01-01	1	1	1	T1	-T-XXX-02-02	N/A	N/A	-T-XXX-01-02	N/A	-S-XXX-01-01	-S-XXX-02-01	N/A
		2	1	2	T1	-T-XXX-02-01	N/A	N/A	-T-XXX-01-01	N/A	-S-XXX-01-02	-S-XXX-02-02	N/A
		3	1	N-1	T1	N/A	-T-XXX-01-01	-T-XXX-02-01	N/A	-S-XXX-02-02	N/A	N/A	-S-XXX-01-02
		4	1	N	T1	N/A	-T-XXX-01-02	-T-XXX-02-02	N/A	-S-XXX-02-01	N/A	N/A	-S-XXX-01-01
-TTL	-T-XXX-02-01	1	1	1	B20	N/A	-T-XXX-01-02	-T-XXX-02-02	N/A	-S-XXX-02-01	N/A	N/A	-S-XXX-01-01
		2	1	2	B20	N/A	-T-XXX-01-01	-T-XXX-02-01	N/A	-S-XXX-02-02	N/A	N/A	-S-XXX-01-02
		3	1	N-1	B20	-T-XXX-02-01	N/A	N/A	-T-XXX-01-01	N/A	-S-XXX-01-02	-S-XXX-02-02	N/A
		4	1	N	B20	-T-XXX-02-02	N/A	N/A	-T-XXX-01-02	N/A	-S-XXX-01-01	-S-XXX-02-01	N/A
-TBR	-T-XXX-01-01	1	1	1	B20	N/A	-T-XXX-01-02	-T-XXX-02-02	N/A	-S-XXX-02-01	N/A	N/A	-S-XXX-01-01
		2	1	2	B20	N/A	-T-XXX-01-01	-T-XXX-02-01	N/A	-S-XXX-02-02	N/A	N/A	-S-XXX-01-02
		3	1	N-1	B20	-T-XXX-02-01	N/A	N/A	-T-XXX-01-01	N/A	-S-XXX-01-02	-S-XXX-02-02	N/A
		4	1	N	B20	-T-XXX-02-02	N/A	N/A	-T-XXX-01-02	N/A	-S-XXX-01-01	-S-XXX-02-01	N/A
-TBL	-T-XXX-02-01	1	1	1	T1	-T-XXX-02-02	N/A	N/A	-T-XXX-01-02	N/A	-S-XXX-01-01	-S-XXX-02-01	N/A
		2	1	2	T1	-T-XXX-02-01	N/A	N/A	-T-XXX-01-01	N/A	-S-XXX-01-02	-S-XXX-02-02	N/A
		3	1	N-1	T1	N/A	-T-XXX-01-01	-T-XXX-02-01	N/A	-S-XXX-02-02	N/A	N/A	-S-XXX-01-02
		4	1	N	T1	N/A	-T-XXX-01-02	-T-XXX-02-02	N/A	-S-XXX-02-01	N/A	N/A	-S-XXX-01-01
-STR	-S-XXX-01-01	1	1	1	T20	N/A	-T-XXX-01-01	-T-XXX-02-01	N/A	-S-XXX-02-02	N/A	N/A	-S-XXX-01-02
		2	1	2	T20	N/A	-T-XXX-01-02	-T-XXX-02-02	N/A	-S-XXX-02-01	N/A	N/A	-S-XXX-01-01
		3	1	N-1	T20	-T-XXX-02-02	N/A	N/A	-T-XXX-01-02	N/A	-S-XXX-01-01	-S-XXX-02-01	N/A
		4	1	N	T20	-T-XXX-02-01	N/A	N/A	-T-XXX-01-01	N/A	-S-XXX-01-02	-S-XXX-02-02	N/A
-STL	-S-XXX-02-01	1	1	1	B1	-T-XXX-02-01	N/A	N/A	-T-XXX-01-01	N/A	-S-XXX-01-02	-S-XXX-02-02	N/A
		2	1	2	B1	-T-XXX-02-02	N/A	N/A	-T-XXX-01-02	N/A	-S-XXX-01-01	-S-XXX-02-01	N/A
		3	1	N-1	B1	N/A	-T-XXX-01-02	-T-XXX-02-02	N/A	-S-XXX-02-01	N/A	N/A	-S-XXX-01-01
		4	1	N	B1	N/A	-T-XXX-01-01	-T-XXX-02-01	N/A	-S-XXX-02-02	N/A	N/A	-S-XXX-01-02
-SBR	-S-XXX-01-01	1	1	1	B1	-T-XXX-02-01	N/A	N/A	-T-XXX-01-01	N/A	-S-XXX-01-02	-S-XXX-02-02	N/A
		2	1	2	B1	-T-XXX-02-02	N/A	N/A	-T-XXX-01-02	N/A	-S-XXX-01-01	-S-XXX-02-01	N/A
		3	1	N-1	B1	N/A	-T-XXX-01-02	-T-XXX-02-02	N/A	-S-XXX-02-01	N/A	N/A	-S-XXX-01-01
		4	1	N	B1	N/A	-T-XXX-01-01	-T-XXX-02-01	N/A	-S-XXX-02-02	N/A	N/A	-S-XXX-01-02
-SBL	-S-XXX-02-01	1	1	1	T20	N/A	-T-XXX-01-01	-T-XXX-02-01	N/A	-S-XXX-02-02	N/A	N/A	-S-XXX-01-02
		2	1	2	T20	N/A	-T-XXX-01-02	-T-XXX-02-02	N/A	-S-XXX-02-01	N/A	N/A	-S-XXX-01-01
		3	1	N-1	T20	-T-XXX-02-02	N/A	N/A	-T-XXX-01-02	N/A	-S-XXX-01-01	-S-XXX-02-01	N/A
		4	1	N	T20	-T-XXX-02-01	N/A	N/A	-T-XXX-01-01	N/A	-S-XXX-01-02	-S-XXX-02-02	N/A

TABLE 7								
SIGNAL MAP								
POSITION	1	3	5	7	...	N-5	N-3	N-1
SIGNAL	S	S	S	S		S	S	S
SIGNAL	S	S	S	S		S	S	S
POSITION	2	4	6	8	...	N-4	N-2	N

(GROUND BLADE TIED TO COAX SHIELD)

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	DO NOT SCALE DRAWING	DESCRIPTION: 0.8MM Q-RATE TWINAX CABLE ASSEMBLY	
	DWG. NO. EQRP-XXX-XX.XX-XXX-XXX-X-X		
BY: J. Riley		08/10/09	
SHEET 4 OF 4			