

DO NOT  
SCALE FROM  
THIS PRINT

END TO END

"L"

DV TO DV

DV TO EM (-TEX)

EM (-TEX) TO EM (-TEX)

DV-N TO DV-N

DV-N TO EM (-TEX)

EM-N (-TEX) TO EM-N (-TEX)

1.121[28.47]

1.067[27.09]

1.012[25.70]

981[24.92]

997[25.32]

1.012[25.70]

FIG 1  
VERTICAL  
(6QDPS-032-XX.X-STR-5 SHOWN)

LENGTH: XX.X + "L" REF (SEE TABLE 4)(SEE NOTE 12)

LENGTH: XX.X ± 01%(SEE NOTE 12)

N-1  
(SEE TABLE 3)

N  
(SEE TABLE 3)

N  
(SEE TABLE 3)

N  
(SEE TABLE 3)

NO OF POSITIONS

-016, -032, -048, -064  
(PER ROW)

LENGTH

-XX.X (INCHES)

(1.72 [43.7] MIN)

(SEE NOTE 2)

(SEE NOTE 9)

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

(SEE TABLE 1 & SHEET 2)

-TEU: TERMINAL, EDGE MOUNT, UP

-TED: TERMINAL, EDGE MOUNT, DOWN

(SEE TABLE 5 & SHEET 4)

END OPTION

-F: SCREW OPTION FIRST END ONLY

-S: SCREW OPTION SECOND END ONLY

-B: SCREW OPTION BOTH ENDS

-N: NO CAPS

(SEE FIG 3, SHEET 5 FOR EDGE MOUNT  
END OPTIONS)

(SEE FIG 4, SHEET 5 FOR DOUBLE  
VERTICAL END OPTIONS)

(SEE FIG 5, SHEET 5 FOR NO CAPS OPTIONS)  
(LEAVE BLANK FOR STANDARD CAPS  
BOTH ENDS)

WIRING OPTION (SEE NOTE 10)

\*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

-5: PIN 1 TO PIN 1

-6: PIN 1 TO PIN 2

-7: PIN 1 TO PIN N-1

-8: PIN 1 TO PIN N

(SEE TABLE 9, SHEET 6)

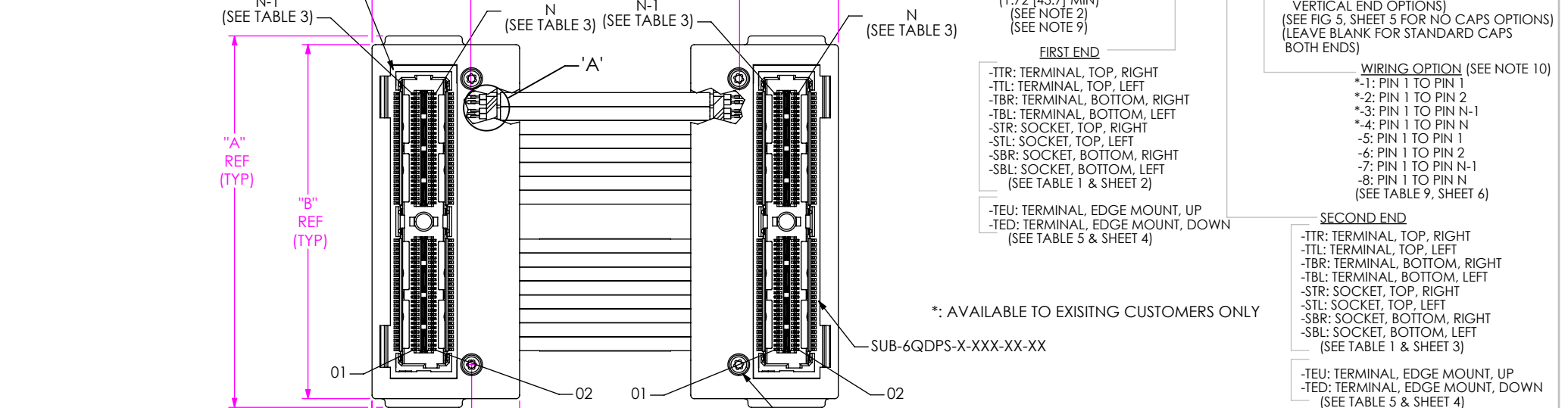


TABLE 3		
No. OF POSITIONS	N	N-1
-016	52	51
-032	104	103
-048	156	155
-064	208	207

TABLE 1							
No. OF POSITIONS	WIRING OPTION	"A"	"B"	QDP-XX-01	QDP-XX-02	QTY OF SUB-TTF	SUB-6QDPX-X-XXX-XX-XX
-016	*-1, *-2, *-3, *-4	1.290 [32.77]	1.190 [30.23]	QDP-01-01	QDP-01-02	2	SUB-6QDPS-X-016-XX-XX
	-5, -6, -7, -8	1.290 [32.77]	1.190 [30.23]	QDP-01-01	QDP-01-02	2	SUB-6QDPS-X-016-XX-XX
-032	*-1, *-2, *-3, *-4	2.130 [54.10]	2.030 [51.56]	QDP-02-01	QDP-02-02	4	SUB-6QDPS-X-032-XX-XX
	-5, -6, -7, -8	2.130 [54.10]	2.030 [51.56]	QDP-02-01	QDP-02-02	4	SUB-6QDPS-X-032-XX-XX
-048	*-1, *-2, *-3, *-4	2.970 [75.44]	2.870 [72.90]	QDP-03-01	QDP-03-02	6	SUB-6QDPS-X-048-XX-XX
	-5, -6, -7, -8	2.970 [75.44]	2.870 [72.90]	QDP-03-01	QDP-03-02	6	SUB-6QDPS-X-048-XX-XX
-064	*-1, *-2, *-3, *-4	3.810 [96.77]	3.710 [94.23]	QDP-04-01	QDP-04-02	8	SUB-6QDPS-X-064-XX-XX
	-5, -6, -7, -8	3.810 [96.77]	3.710 [94.23]	QDP-04-01	QDP-04-02	8	SUB-6QDPS-X-064-XX-XX

- NOTES:
- ⊙ REPRESENTS A CRITICAL DIMENSION.
  - SUB-TTF LENGTH IS EQUAL TO 6QDPS LENGTH.
  - ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
  - ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
  - TOP SUB-TTF NOT SHOWN IN THIS VIEW FOR CLARITY; HDRL-11 IS TO BE CENTERED ON LOWER SUB-TTF AS SHOWN; HDRL-11 IS TO CONTAIN:  
LINE 1 - PART NUMBER "6QDPS-XXX-XX.X-XXX-XXX-X-X"  
LINE 2 - SHOP NUMBER "XXXXXX"  
LINE 3 - DATE CODE "XXXXX"
  - PACKAGE ASSEMBLIES IN STATIC DISSIPATION BAGS.
  - THESE TERMINALS ARE NOT CONSIDERED IN THE NUMBER OF POSITIONS IN THE CALLOUT BECAUSE THEY ARE GROUNDED.
  - PARTS TO BE PROCESSED PER SAMTEC ACCEPTABILITY REQUIREMENTS: HDR-PI-01 "CABLE WORKMANSHIP STANDARDS".
  - CABLE LENGTHS LONGER THAN 40.00 INCHES ARE NOT SUPPORTED BY S.I. TEST DATA.
  - WIRING OPTION -5 THROUGH -8 USE 30100CU.
  - REFER TO PREP-SPEC DOCUMENT FOR CABLE PREP DIMENSIONS. ASSEMBLY USES STANDARD PCB PREP.
  - FOR CABLE LENGTHS LESS THAN 5 INCHES, CABLE LENGTH AND OVERALL LENGTH TOLERANCE IS ±0.05 INCHES. FOR CABLE LENGTHS GREATER THAN 5 INCHES, USE ±1% FOR BOTH.

\*: AVAILABLE TO EXISTING CUSTOMERS ONLY

SUB-6QDPS-X-XXX-XX-XX

STS-01  
(TIGHTEN TO 1.4 - 1.7 IN-LBS)  
(4 PLCS)

QDP-XX-01

"C" REF

QDP-XX-02

HDRL-11  
(SEE NOTE 5)

(SEE NOTE 7)

LENGTH REF

TABLE 2

END

\* "C"

-TXX

.444[11.28]

-SXX

.472[11.99]

\* -DV END OPTIONS ONLY

DETAIL 'A'  
SCALE 2.5 : 1

PB

THIS PRODUCT MANUFACTURED  
WITH LEAD-FREE PROCESSING

TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS, UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS

ANGLES

.XX: ±.01[.3]

.XXX: ±.005[.13]

.XXXX: ±.0020[.051]

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MATERIAL:

DO NOT SCALE DRAWING

SHEET SCALE: 1:25:1

PLATING:

-H GOLD: 30µ" CONTACT

DESCRIPTION:

.635mm HIGH-SPEED TWIN-AX CABLE ASSEMBLY

DWG. NO.

6QDPS-XXX-XX.X-XXX-XXX-X-X

BY: BRATCHER 11/10/03

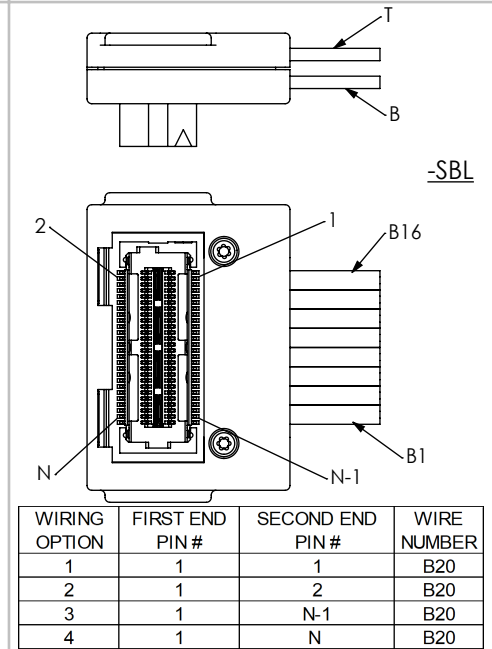
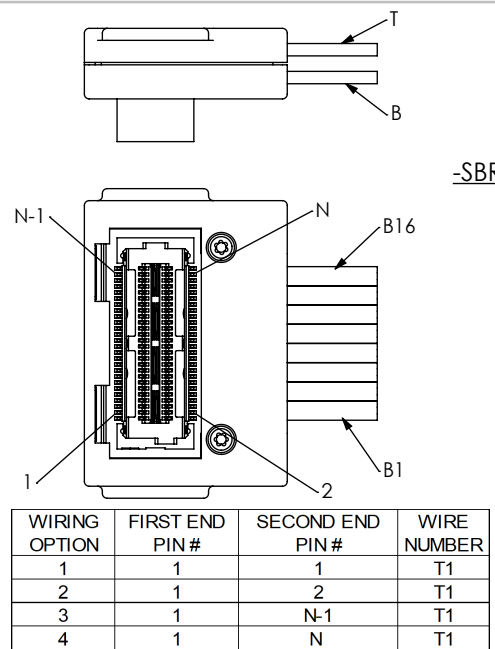
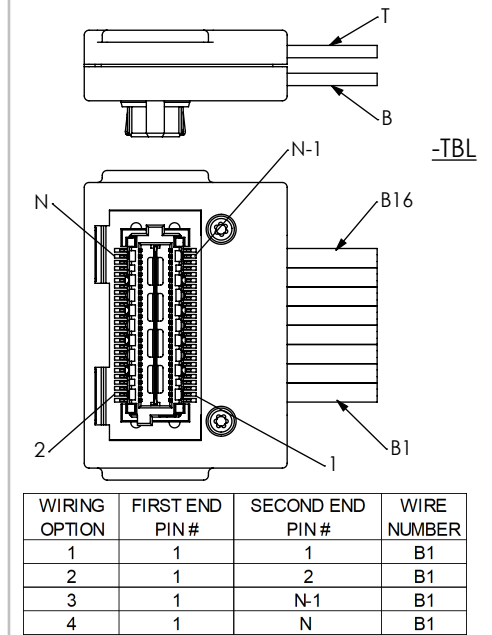
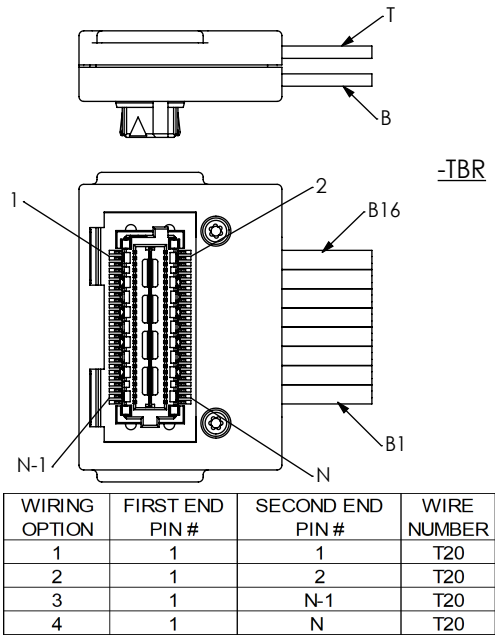
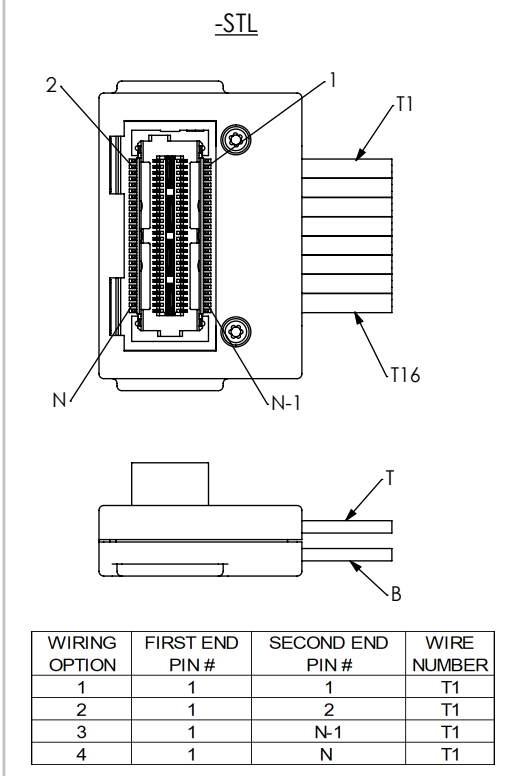
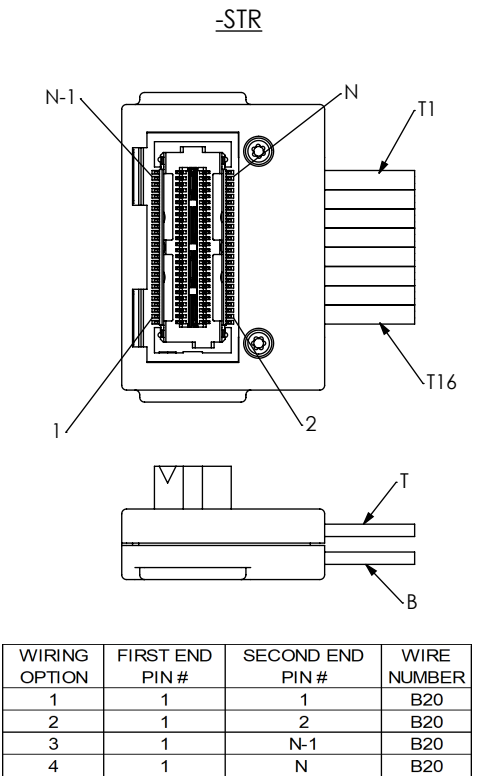
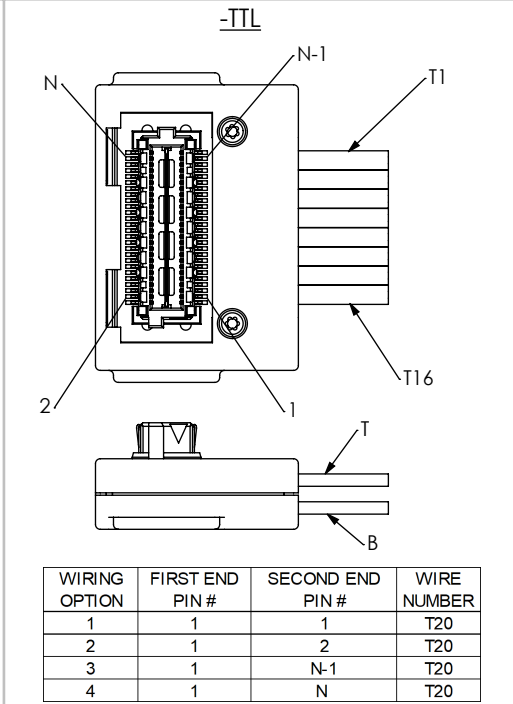
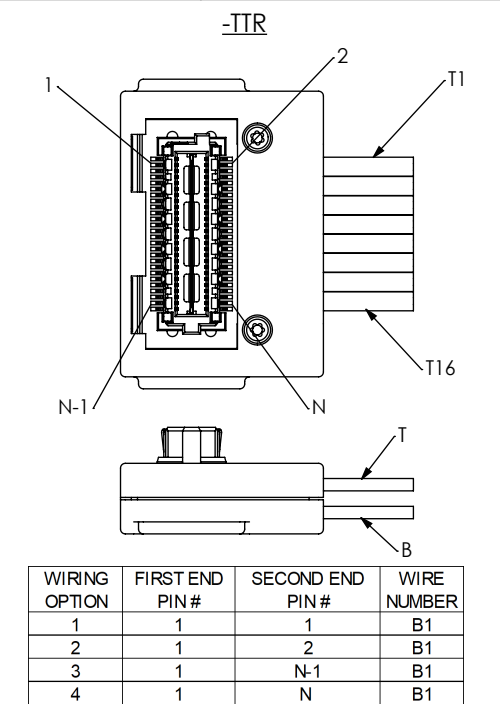
SHEET 1 OF 6

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150

PHONE: 812-944-6733 FAX: 812-948-5047

e-Mail: info@SAMTEC.com code: 55322



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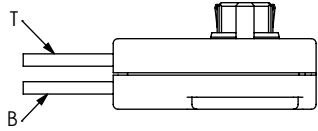
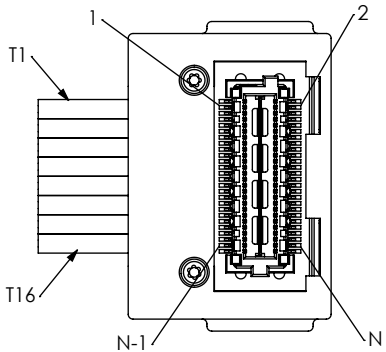
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
.635mm HIGH-SPEED TWIN-AX CABLE ASSEMBLY

DWG. NO.  
6QDPS-XXX-XX.X-XXX-XXX-X-X

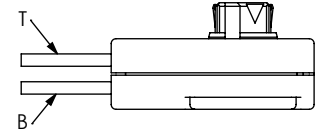
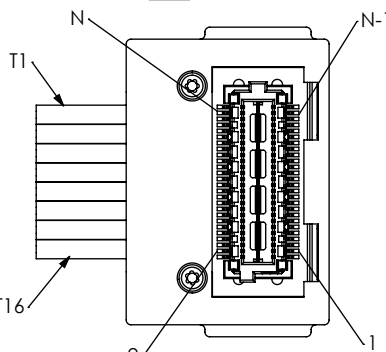
BY: BRATCHER 11/10/03 SHEET 2 OF 6

-TTR



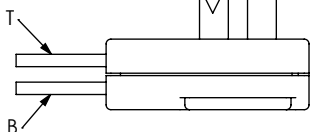
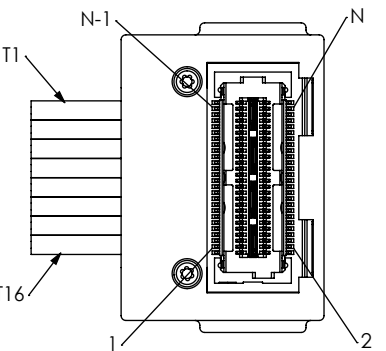
WIRING OPTION	FIRST END PIN #	SECOND END PIN #
1	1	1
2	1	2
3	1	N-1
4	1	N

-TTL



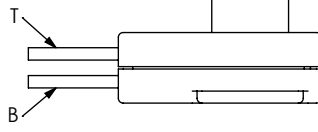
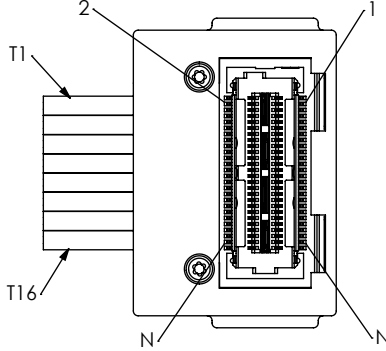
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1	1	1
2	1	2
3	1	N-1
4	1	N

-STR



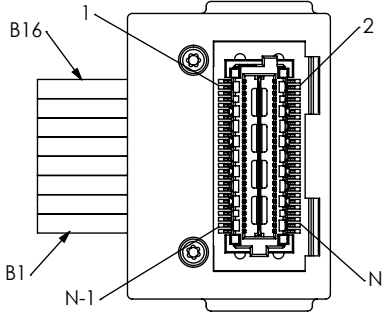
WIRING OPTION	FIRST END PIN #	SECOND END PIN #
1	1	1
2	1	2
3	1	N-1
4	1	N

-STL



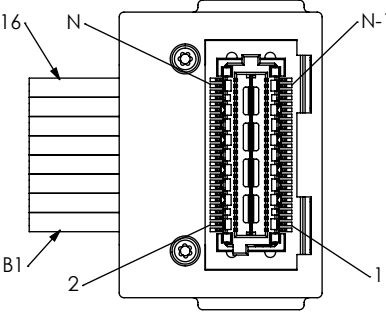
WIRING OPTION	FIRST END PIN #	SECOND END PIN #
1	1	1
2	1	2
3	1	N-1
4	1	N

-TBR



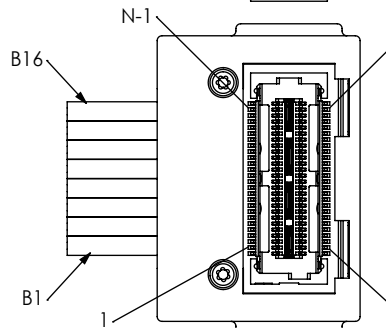
WIRING OPTION	FIRST END PIN #	SECOND END PIN #
1	1	1
2	1	2
3	1	N-1
4	1	N

-TBL



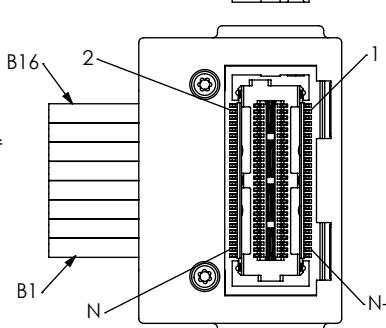
WIRING OPTION	FIRST END PIN #	SECOND END PIN #
1	1	1
2	1	2
3	1	N-1
4	1	N

-SBR



WIRING OPTION	FIRST END PIN #	SECOND END PIN #
1	1	1
2	1	2
3	1	N-1
4	1	N

-SBL



WIRING OPTION	FIRST END PIN #	SECOND END PIN #
1	1	1
2	1	2
3	1	N-1
4	1	N

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**samtec**

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

DESCRIPTION:  
.635mm HIGH-SPEED TWIN-AX CABLE ASSEMBLY

DWG. NO.  
6QDPS-XXX-XX.X-XXX-XXX-X-X

BY: BRATCHER 11/10/03 SHEET 3 OF 6

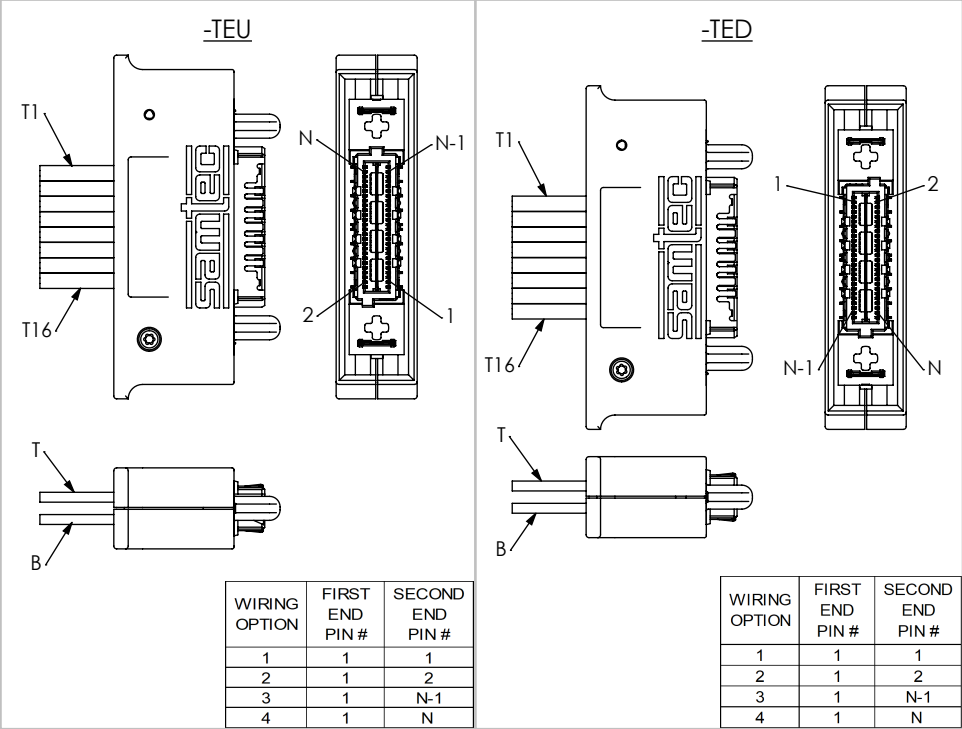
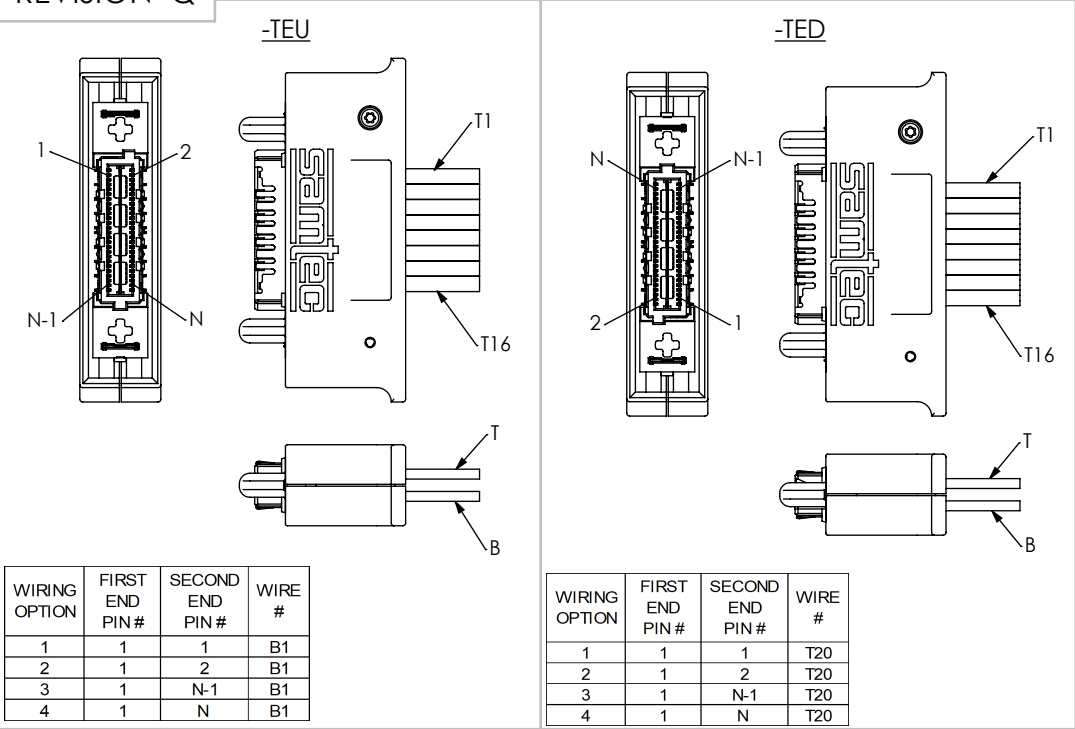
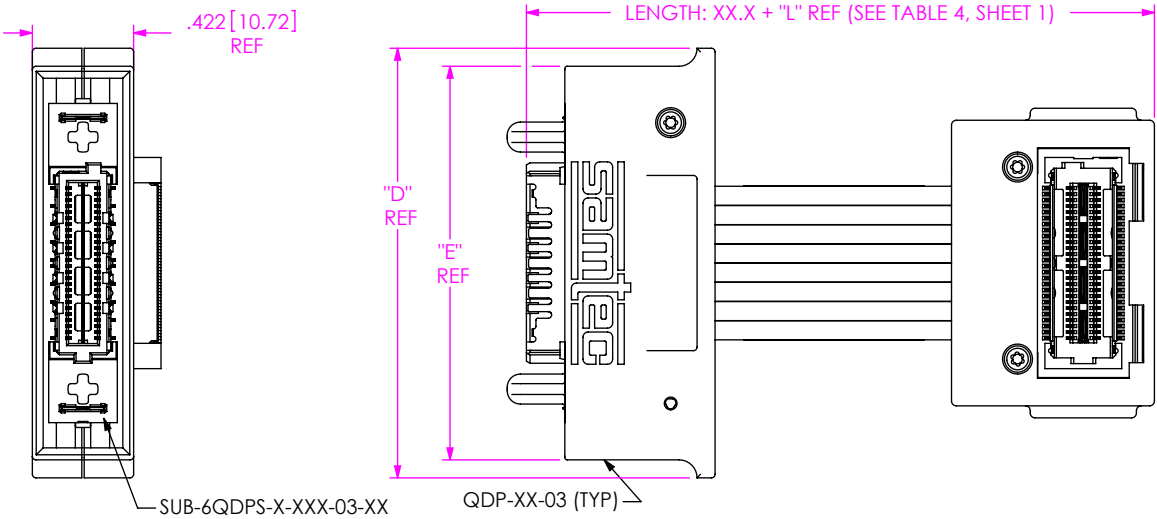


FIG 2  
EDGE MOUNT (NO CAPTIVE PANEL SCREWS)  
(6QDPS-016-XX.X-TEU-STL-X SHOWN)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

TABLE 5				
No. OF POSITIONS	"D"	"E"	QDP-XX-03	SUB-6QDPS-X-XXX-03-XX
-016	1.790 [45.47]	1.640 [41.66]	QDP-01-03	SUB-6QDPS-X-016-03-XX
-032	2.630 [66.80]	2.480 [62.99]	QDP-02-03	SUB-6QDPS-X-032-03-XX
-048	3.470 [88.14]	3.320 [84.33]	QDP-03-03	SUB-6QDPS-X-048-03-XX
-064	4.310 [109.47]	4.160 [105.66]	QDP-04-03	SUB-6QDPS-X-064-03-XX



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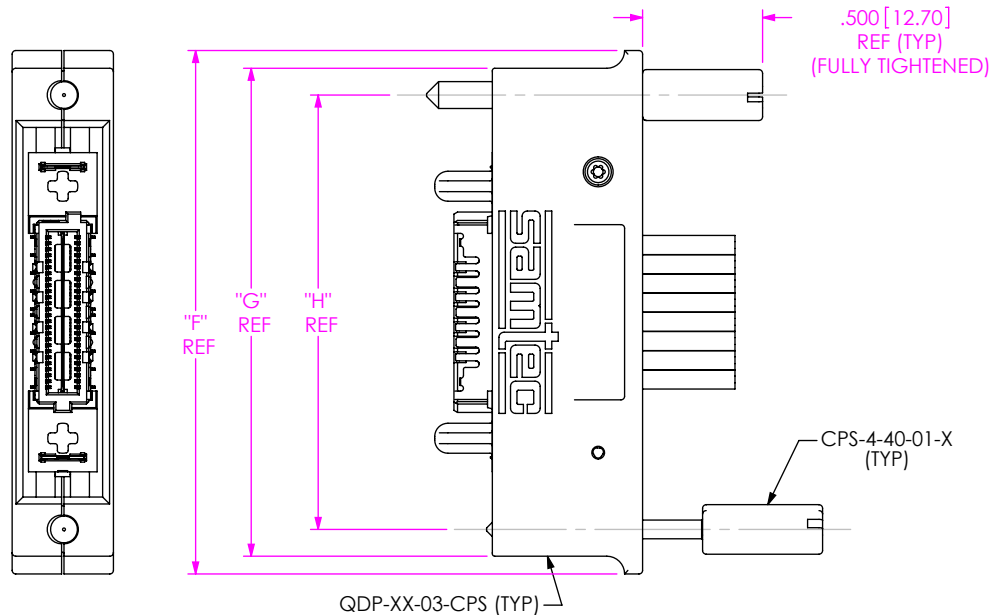
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
.635mm HIGH-SPEED TWIN-AX CABLE ASSEMBLY

DWG. NO.  
6QDPS-XXX-XX.X-XXX-XXX-X-X

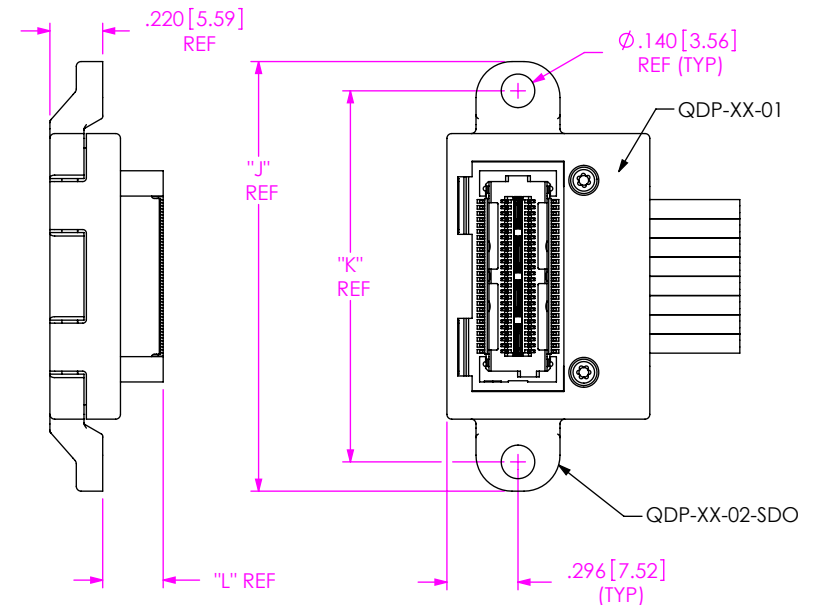
BY: BRATCHER 11/10/03 SHEET 4 OF 6

EDGE MOUNT (WITH CAPTIVE PANEL SCREWS)  
(6QDPS-016-XX.X-TEU-XXX-5-F SHOWN)  
(SAME AS FIG 2, UNLESS OTHERWISE STATED)



No. OF POSITIONS	"F"	"G"	"H"	QDP-XX-03-CPS
-016	2.181 [55.40]	2.033 [51.64]	1.810 [45.97]	QDP-01-03-CPS
-032	3.021 [76.73]	2.873 [72.97]	2.650 [67.31]	QDP-02-03-CPS
-048	3.861 [98.07]	3.713 [94.31]	3.490 [88.64]	QDP-03-03-CPS
-064	4.701 [119.41]	4.553 [115.65]	4.330 [109.98]	QDP-04-03-CPS

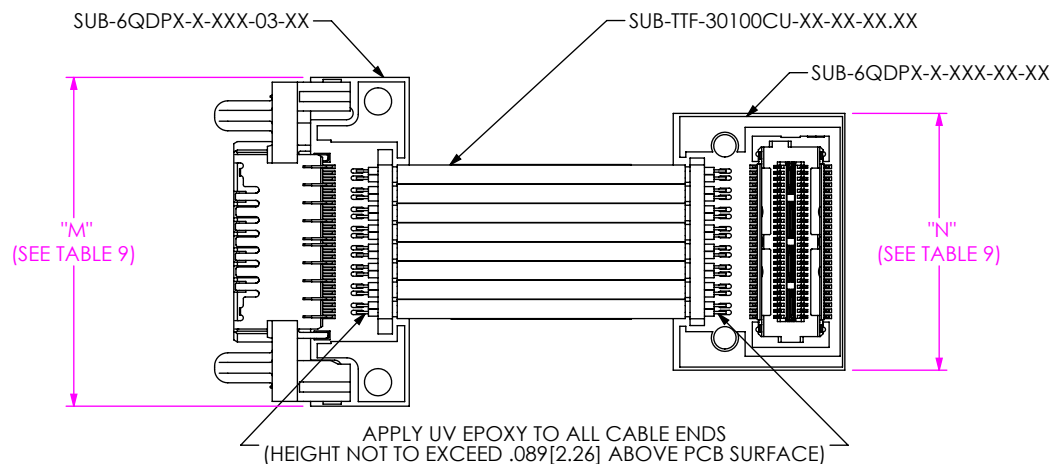
DOUBLE VERTICAL (WITH SCREW DOWN OPTION)  
(6QDPS-016-XX.X-STR-XXX-5-F SHOWN)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



No. OF POSITIONS	"J"	"K"	QDP-XX-02-SDO
-016	1.790 [45.47]	1.546 [39.27]	QDP-01-02-SDO
-032	2.630 [66.80]	2.386 [60.60]	QDP-02-02-SDO
-048	3.470 [88.14]	3.226 [81.94]	QDP-03-02-SDO
-064	4.310 [109.47]	4.066 [103.28]	QDP-04-02-SDO

END	"L"
-TXX	0.224 [5.69]
-SXX	0.252 [6.40]

(6QDPS-016-XX.X-TEU-STL-N SHOWN)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



No. OF POSITIONS	"M"	"N"
-16	1.370 [34.80]	1.070 [27.18]
-32	2.210 [56.13]	1.910 [48.51]
-48	3.050 [77.47]	2.750 [69.85]
-64	3.890 [98.81]	3.590 [91.19]

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DO NOT SCALE DRAWING

SHEET SCALE: 1.25:1



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

DESCRIPTION:  
.635mm HIGH-SPEED TWIN-AX CABLE ASSEMBLY

DWG. NO.  
6QDPS-XXX-XX.X-XXX-XXX-X-X

BY: BRATCHER 11/10/03	SHEET 5 OF 6
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## REVISION Q

TABLE 9															
FIRST END OPTION	FIRST END SUB-6QDPS-X-XXX-XX-01	WIRING OPTION	FIRST END PIN #	SECOND END PIN #	WIRE #	SECOND END OPTION (SUB-6QDPS-X-XXX-XX-XX)									
						-TTR	-TTL	-TBR	-TBL	-STR	-STL	-SBR	-SBL	-TEU	-TED
-TTR	-T-XXX-01-01	*-1	1	1	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	N/A	-T-XXX-03-02
		*-2	1	2	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	N/A	-T-XXX-03-01
		*-3	1	N-1	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	-T-XXX-03-01	N/A
		*-4	1	N	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	-T-XXX-03-02	N/A
		-5	1	1	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	N/A	-T-XXX-03-02
		-6	1	2	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	N/A	-T-XXX-03-01
		-7	1	N-1	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	-T-XXX-03-01	N/A
		-8	1	N	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	-T-XXX-03-02	N/A
-TTL	-T-XXX-02-01	*-1	1	1	T20	N/A	-T-XXX-02-01	-T-XXX-02-02	N/A	-S-XXX-02-01	N/A	N/A	-S-XXX-01-01	-T-XXX-03-02	N/A
		*-2	1	2	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	-T-XXX-03-01	N/A
		*-3	1	N-1	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	N/A	-T-XXX-03-01
		*-4	1	N	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	N/A	-T-XXX-03-02
		-5	1	1	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	-T-XXX-03-02	N/A
		-6	1	2	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	-T-XXX-03-01	N/A
		-7	1	N-1	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	N/A	-T-XXX-03-01
		-8	1	N	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	N/A	-T-XXX-03-02
-TBR	-T-XXX-01-01	*-1	1	1	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	N/A	-T-XXX-03-02
		*-2	1	2	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	N/A	-T-XXX-03-01
		*-3	1	N-1	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	-T-XXX-03-01	N/A
		*-4	1	N	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	N/A	-T-XXX-03-02
		-5	1	1	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	-T-XXX-03-02	N/A
		-6	1	2	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	-T-XXX-03-01	N/A
		-7	1	N-1	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	N/A	-T-XXX-03-01
		-8	1	N	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	N/A	-T-XXX-03-02
-TBL	-T-XXX-02-01	*-1	1	1	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	N/A	-T-XXX-03-02
		*-2	1	2	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	N/A	-T-XXX-03-01
		*-3	1	N-1	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	-T-XXX-03-01	N/A
		*-4	1	N	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	-T-XXX-03-02	N/A
		-5	1	1	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	N/A	-T-XXX-03-02
		-6	1	2	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	N/A	-T-XXX-03-01
		-7	1	N-1	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	-T-XXX-03-01	N/A
		-8	1	N	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	-T-XXX-03-02	N/A
-STR	-S-XXX-01-01	*-1	1	1	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	-T-XXX-03-01	N/A
		*-2	1	2	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	-T-XXX-03-02	N/A
		*-3	1	N-1	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	N/A	-T-XXX-03-02
		*-4	1	N	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	N/A	-T-XXX-03-01
		-5	1	1	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	-T-XXX-03-01	N/A
		-6	1	2	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	-T-XXX-03-02	N/A
		-7	1	N-1	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	N/A	-T-XXX-03-02
		-8	1	N	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	N/A	-T-XXX-03-01
-STL	-S-XXX-02-01	*-1	1	1	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	N/A	-T-XXX-03-01
		*-2	1	2	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	N/A	-T-XXX-03-02
		*-3	1	N-1	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	-T-XXX-03-02	N/A
		*-4	1	N	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	-T-XXX-03-01	N/A
		-5	1	1	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	N/A	-T-XXX-03-01
		-6	1	2	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	N/A	-T-XXX-03-02
		-7	1	N-1	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	-T-XXX-03-02	N/A
		-8	1	N	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	-T-XXX-03-01	N/A

		TABLE 9 (CONT)														
		TABLE 9A				TABLE 9B				TABLE 9C						
		*-1	1	1	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	N/A	-T-XXX-03-01	
-SBR	-S-XXX-01-01	*-2	1	2	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	N/A	-T-XXX-03-02	
		*-3	1	N-1	T1	-T-XXX-01-02	-T-XXX-02-02	N/A	-S-XXX-02-01	N/A	N/A	-S-XXX-01-01	-T-XXX-03-02	N/A	N/A	
		*-4	1	N	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	-T-XXX-03-01	N/A	N/A
		-5	1	1	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	N/A	-T-XXX-03-01	N/A
		-6	1	2	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	N/A	-T-XXX-03-02	N/A
		-7	1	N-1	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	-T-XXX-03-02	N/A	N/A
		-8	1	N	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	-T-XXX-03-01	N/A	N/A
		*-1	1	1	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	-T-XXX-03-01	N/A	N/A
		*-2	1	2	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	-T-XXX-03-02	N/A	N/A
		*-3	1	N-1	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	N/A	-T-XXX-03-02	N/A
-SBL	-S-XXX-02-01	*-4	1	N	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	N/A	-T-XXX-03-01	
		-5	1	1	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	-T-XXX-03-01	N/A	N/A
		-6	1	2	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	-T-XXX-03-02	N/A	N/A
		-7	1	N-1	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	N/A	-T-XXX-03-02	N/A
		-8	1	N	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	N/A	-T-XXX-03-01	N/A
		-5	1	1	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	-T-XXX-03-01	N/A	N/A
		-6	1	2	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	-T-XXX-03-02	N/A	N/A
		-7	1	N-1	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	N/A	-T-XXX-03-02	N/A
		-8	1	N	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	N/A	-T-XXX-03-01	N/A
		*-1	1	1	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	N/A	-T-XXX-03-02	N/A
-TEU	-T-XXX-03-01	*-2	1	2	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	N/A	-T-XXX-03-01	
		*-3	1	N-1	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	-T-XXX-03-01	N/A	N/A
		-4	1	N	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	-T-XXX-03-02	N/A	N/A
		-5	1	1	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	N/A	-T-XXX-03-02	N/A
		-6	1	2	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	N/A	-T-XXX-03-01	N/A
		-7	1	N-1	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	-T-XXX-03-01	N/A	N/A
		-8	1	N	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	-T-XXX-03-02	N/A	N/A
		*-1	1	1	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	-T-XXX-03-02	N/A	N/A
		*-2	1	2	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	-T-XXX-03-01	N/A	N/A
		*-3	1	N-1	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	N/A	-T-XXX-03-01	N/A
-TED	-T-XXX-03-01	*-4	1	N	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	N/A	-T-XXX-03-02	
		-5	1	1	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	-T-XXX-03-02	N/A	N/A
		-6	1	2	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	-T-XXX-03-01	N/A	N/A
		-7	1	N-1	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	N/A	-T-XXX-03-01	N/A
		-8	1	N	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	N/A	-T-XXX-03-02	N/A
		-5	1	1	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	-T-XXX-03-02	N/A	N/A
		-6	1	2	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	-T-XXX-03-01	N/A	N/A
		-7	1	N-1	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	N/A	-T-XXX-03-01	N/A

TABLE 11																										
SIGNAL MAPPING																										
J1	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
NAME	GND	DP		GND	DP		GND	DP		GND	DP		GND	DP		GND	DP		GND	DP		GND	DP		GND	DP
J2	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
J1	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52
NAME	GND	DP		GND	DP		GND	DP		GND	DP		GND	DP		GND	DP		GND	DP		GND	DP		GND	DP
J2	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52
GND/SIG PATTERN REPEATS WITH ADDITIONAL BANKS																										
CONNECTOR SHIELDS TIED TO COMMON GROUND																										

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BY: BRATCHER 11/10/03 SHEET 6 OF 6