

PRODUCT NUMBER
SEE SHEET 4

A

B

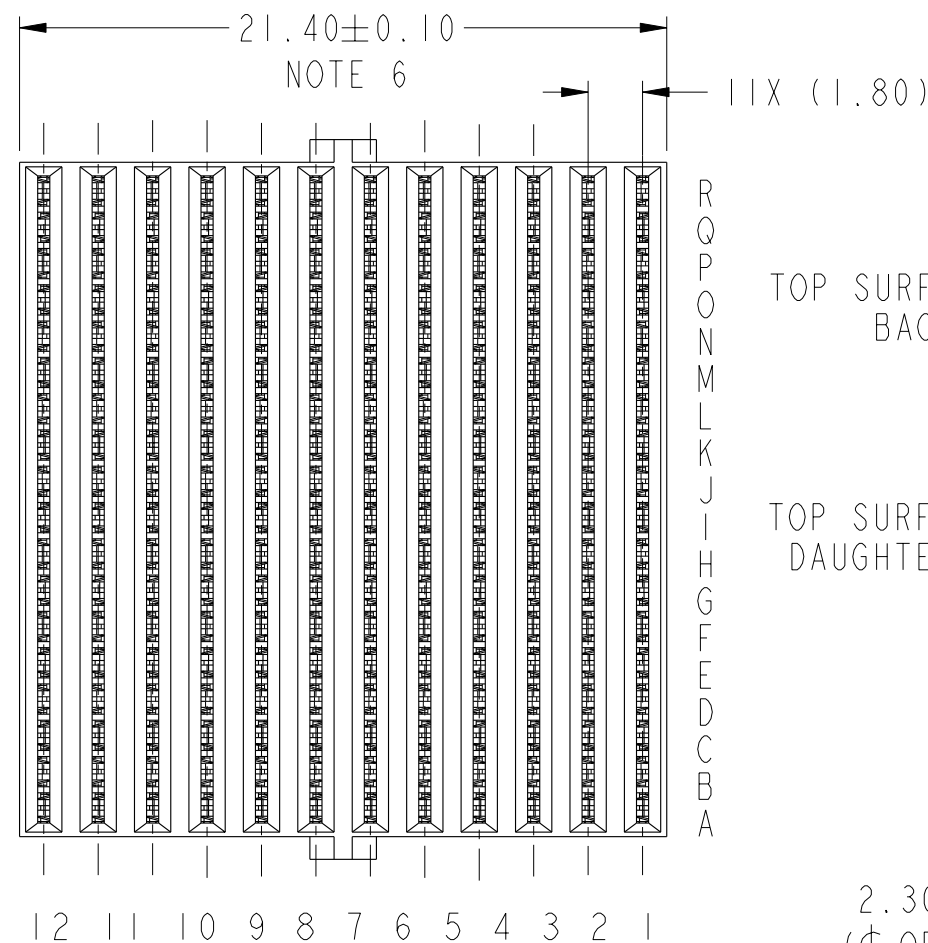
C

D

2

3

4



TOP SURFACE OF
BACKPLANE

TOP SURFACE OF
DAUGHTER CARD

2.30
(ϕ OF
ROW A)

EDGE OF
DAUGHTER CARD

(30.6)

HOUSING

NOTE 5

POWER OR SIGNAL IMLA
NOTES 12 & 14

ORGANIZER

AX

19.05±0.10

19.80±0.10

216X 1.60±0.15

4.00±0.10

(14.00)

1.200

216X (0.62)

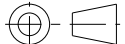
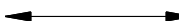
12.50±0.10

20.90±0.15



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rev	ecn no	dr	date
A	V09-0390	MRG	2009-08-10
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com			surface - 		tolerance std		projection 		MM 				
			TOLERANCES UNLESS OTHERWISE SPECIFIED										
Dr	STU STONER	2007-11-26	ANGULAR		LINEAR	0.X	±	size A3	Scale 4:1				
Eng	J SWAIN	2007-11-26				0.XX	±						
Chr	J SWAIN	2007-11-26				0.XXX	±						
Appr	J SWAIN	2007-11-26	0°	±°				ECN		---			
			Product family				ZipLine		Spec ref ---				
		title ZipLine R/A REC ASSY, PWR 6 PR,12 IMLA,1.8MM PITCH,21.6MM					dwg no 10084164					Rev. A	
		catalog no		-		CUSTOMER				sheet 1 of 4			

REV F - 2006-04-17

2

3

1

2

3

4

A

B

C

D

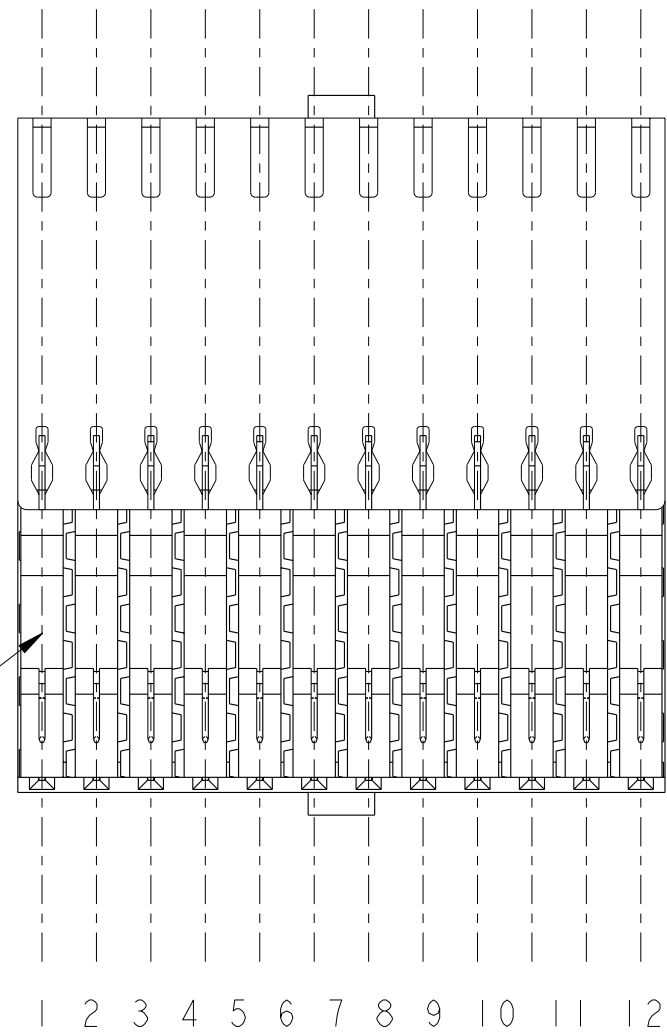
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SEE NOTE 12



SECTION E-E



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	title		ZipLine R/A REC ASSY, PWR		dwg no	10084164		Rev.
			6 PR, 12 IMLA, 1.8MM PITCH, 21.6MM					
	catalog no			-		CUSTOMER		sheet 2 of 4

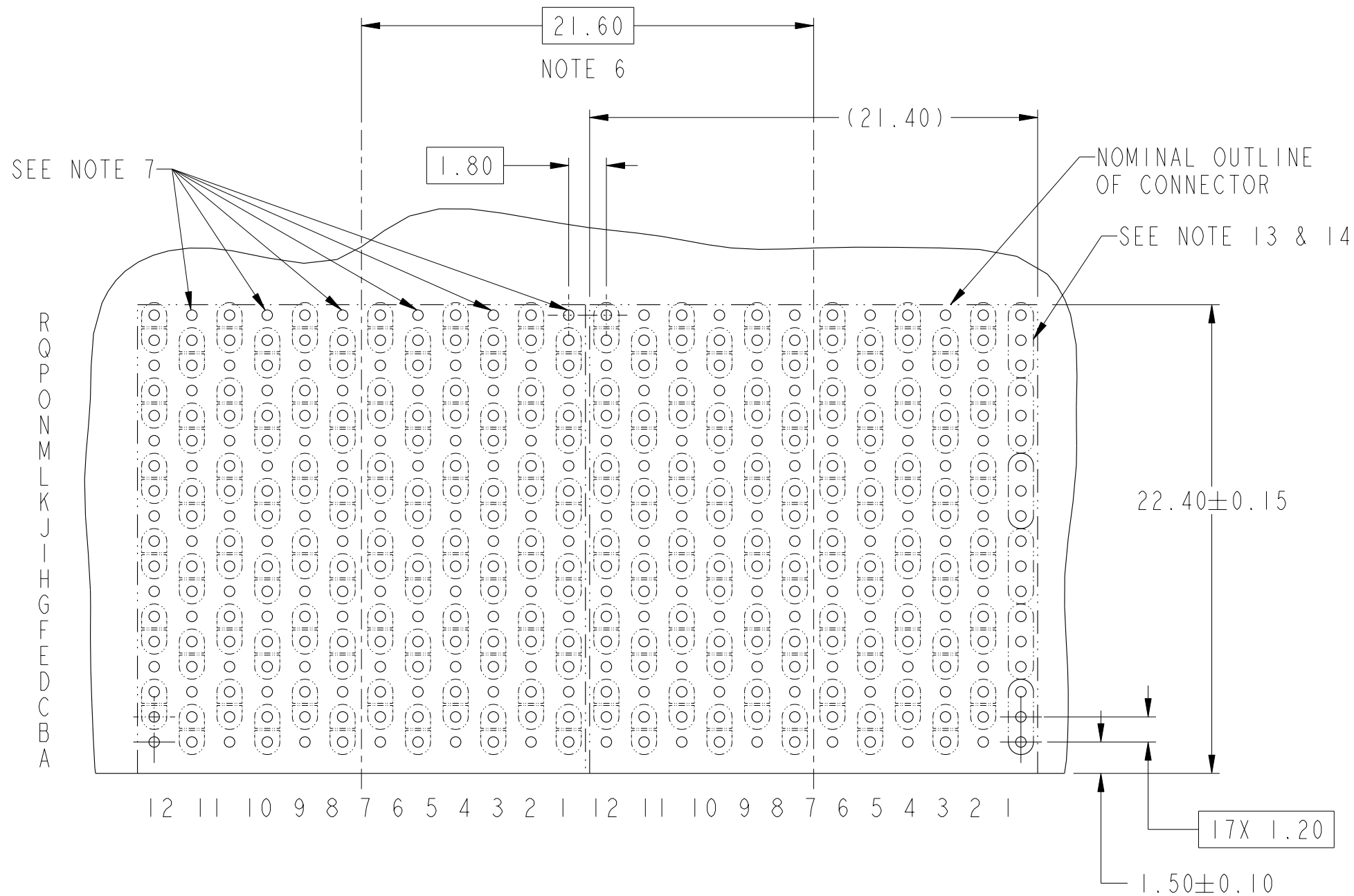
1

2

3



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RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 6, 7, & 8
POWER LAYOUT REPRESENTED BY COLUMN 1
AT FAR RIGHT



ZipLine R/A REC ASSY, PWR
6 PR, 12 IMLA, 1.8MM PITCH, 21.6MM
catalog no

dwg no
10084164

Rev.
A

CUSTOMER sheet 3 of 4

A

B

C

D

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE	POWER (P) OR SIGNAL (S) BY COLUMN NUMBER (SEE NOTE 14)											
		I	2	3	4	5	6	7	8	9	10	11	12
10084164-101	TIN/LEAD ALLOY OVER NICKEL	P	S	S	S	S	S	S	S	S	S	S	S
10084164-101LF	TIN OVER NICKEL (LEAD FREE)	P	S	S	S	S	S	S	S	S	S	S	S
10084164-102	TIN/LEAD ALLOY OVER NICKEL	P	P	S	S	S	S	S	S	S	S	S	S
10084164-102LF	TIN OVER NICKEL (LEAD FREE)	P	P	S	S	S	S	S	S	S	S	S	S
10084164-103	TIN/LEAD ALLOY OVER NICKEL	P	S	S	S	S	S	S	S	S	S	S	P
10084164-103LF	TIN OVER NICKEL (LEAD FREE)	P	S	S	S	S	S	S	S	S	S	S	P

- ① - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
ORGANIZER: STAINLESS STEEL
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE
REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-452
INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995)
CENTRAL OFFICE TEST SEQUENCE
- PRESS-FIT TAILS: SEE TABLE
- 3 - PRODUCT SPECIFICATION: GS-12-452
- 4 - APPLICATION SPECIFICATION: GS-20-094
- ⑤ - PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑥ - THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT
MODULES IS 21.6MM.
- ⑦ - THERE IS NO GROUND BUSSING WITHIN THE CONNECTOR EXCEPT FOR
POSITIONS R1,R3,R5,R7,R9,& R11. THESE MUST BE ASSIGNED AS GROUNDS.

- ⑧ - REFER TO CUSTOMER DRAWING 10045979 FOR INFORMATION
ON PCB HOLE DIAMETERS AND PLATING OPTIONS
- 9 - LEAD FREE PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES &
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
- 10 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C
PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION,
INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- 11 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING
SPECIFICATION.
- ⑫ - PLASTIC FOR POWER COLUMNS IS WHITE.
PLASTIC FOR SIGNAL COLUMNS IS BLACK.
SEE PART NUMBER TABLE FOR APPLICABLE
POWER (P) AND SIGNAL (S) COLUMN LOADING POSITIONS.
- ⑬ - WITHIN ANY POWER COLUMN, EACH 3 OF THE 18 CONTACT
POSITIONS ARE COMMONED TO FORM 6 POWER CONTACTS. PCB
LAYOUT SHOWS ONE CONFIGURATION OF COMMONED VIAS
MAKING UP THE 6 INDIVIDUAL POWER POSITIONS. ADDITIONAL
CUSTOMER-DEFINED PCB LAYOUTS WILL ALLOW ANYWHERE FROM
ONE TO SIX POWER LINES WITHIN A COLUMN.
- ⑭ - PRODUCT CAN BE CONFIGURED WITH POWER IN ANY COLUMN
OR MULTIPLE COLUMNS.

A

B

C

D

	eDoc no	ZipLine R/A REC ASSY, PWR		dwg no	10084164		Rev.
	catalog no	6 PR, 12 IMLA, 1.8MM PITCH, 21.6MM			CUSTOMER		A