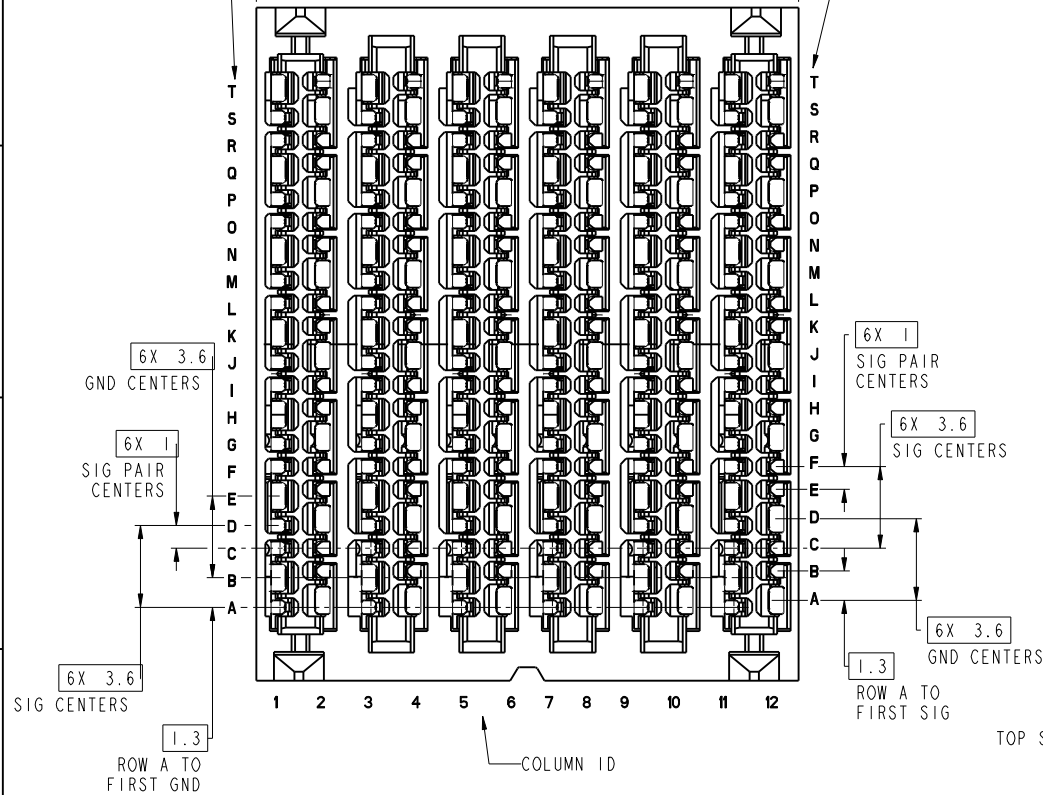


PRODUCT NUMBER
SEE SHEET 16

ODD COLUMN,
CONTACT ROW ID
ODD AND EVEN
COLUMNS ARE OFFSET



10124560-101LF
STANDARD MATE CONNECTOR

spec ref	SEE NOTES	dr	SHU CHEN	2014-3-25	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	HEAVEN CEN	2014-3-25	chr		ech no			
ASME Y14.5M		appr			product family	ExaMAX	rel level	In Work		
surface	linear	0.X	±.3							
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°							
www.fci.com		cat. no.		Product - Customer Drw		sheet 1 of 17				

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

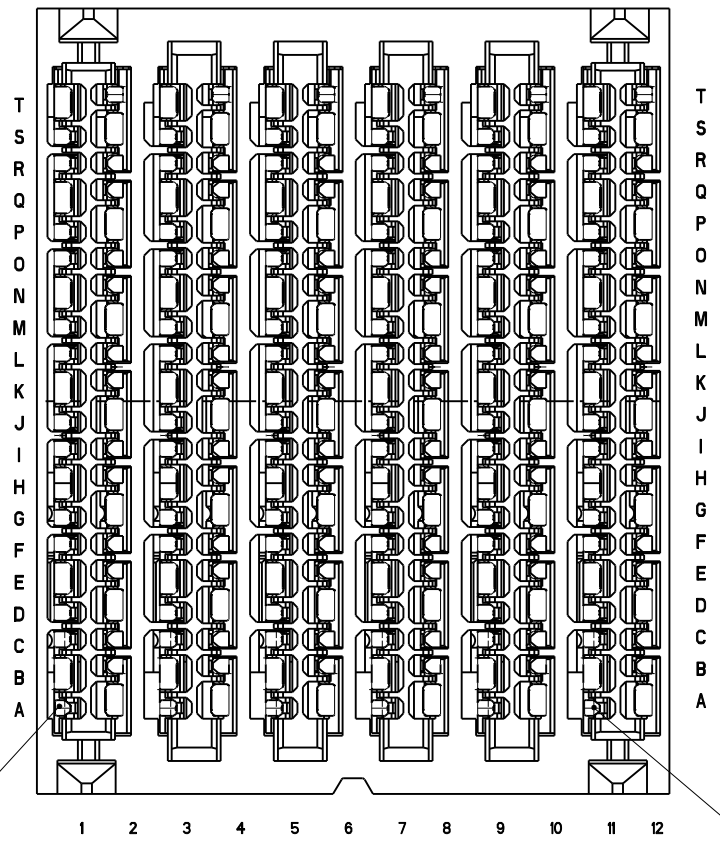
B

C

D

E

F



ADVANCED MATE
POSITION A1
SEE NOTE 13

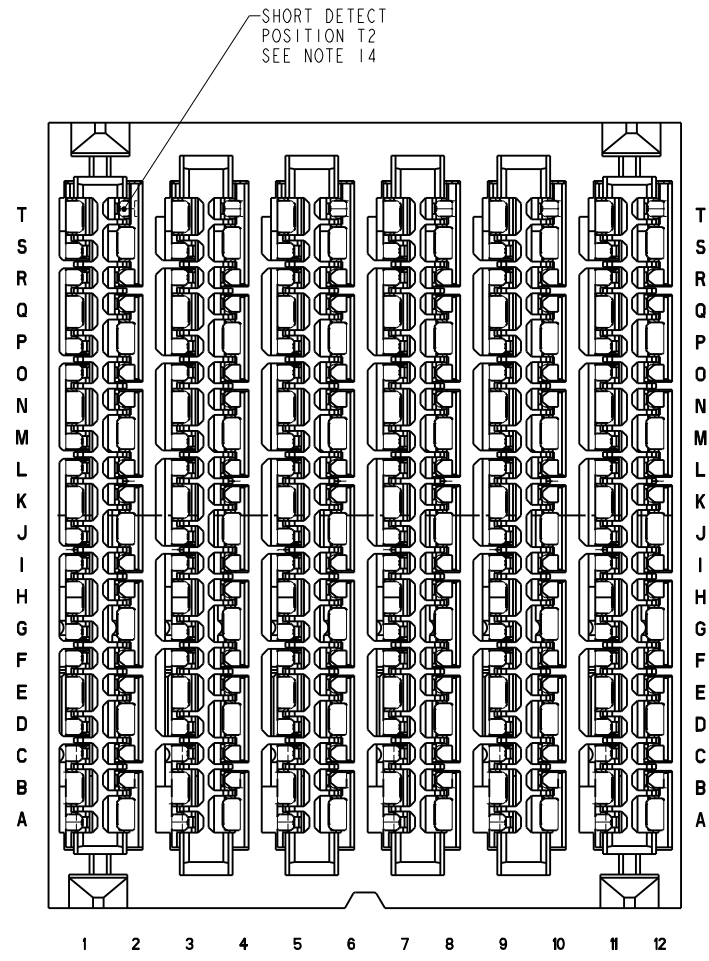
ADVANCED MATE
POSITION A11
SEE NOTE 13

10124560-201LF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A11 ONLY
FOR ALL DIMENSIONS SEE 10124560-101LF ON SHEET 1



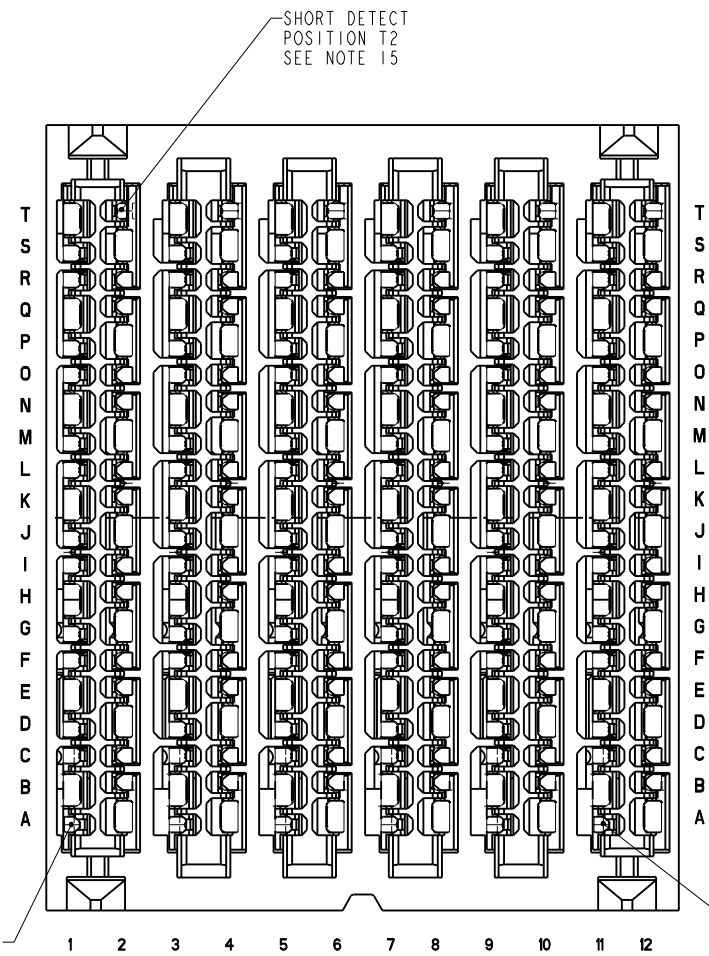
Copyright FCI.

spec ref		SEE NOTES		dr	SHU CHEN	2014-3-25	projection	MM	size	A2	scale	6:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	HEAVEN CEN	2014-3-25			ech no							
ASME Y14.5M				chr					product family		ExaMAX		rel level In Work			
				appr												
surface	✓	linear	0.X	±.3		ExaMAX RIGHT-ANGLE HDR						ang no	10124560	rev	2	
			0.XX	±.10												
			0.XXX	±.050												
		angular	0°	±°												
				www.fci.com		cat. no.			ASSY 6 PR, 240 POS, 12 IMLA, 2MM		Product - Customer Drw		sheet 2 of 17			



10124560-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS T2 ONLY
FOR ALL DIMENSIONS SEE 10124560-101LF ON SHEET 1

spec ref	SEE NOTES		dr	SHU CHEN	2014-3-25	projection	MM	size	A2	scale	6:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	HEAVEN CEN	2014-3-25			ech no				
chr					rel level			In Work				
ASME Y14.5M			product family		ExaMAX							
surface	✓	linear	0.X	±.3		title		10124560		2		
		0.XX	±.10									
		0.XXX	±.050									
		angular	0°	±°								
		www.fci.com		cat. no.		Product - Customer Drw		sheet 3 of 17				

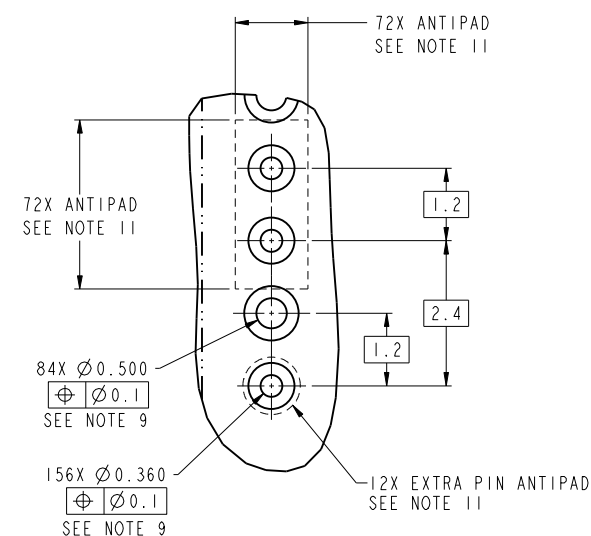
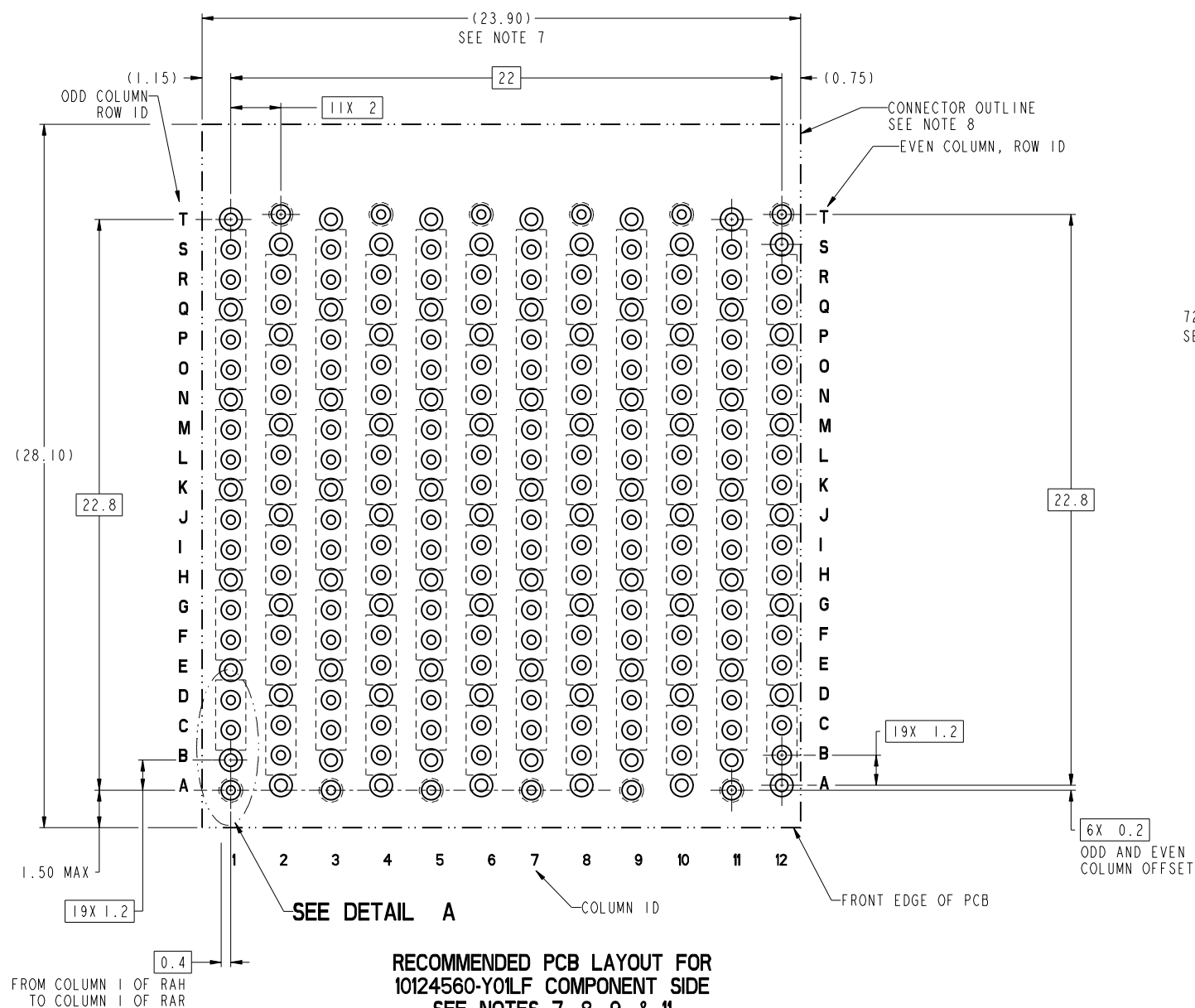


10124560-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A11 ONLY
SHORT DETECT POSTION IS T2 ONLY
FOR ALL DIMENSIONS SEE 10124560-101LF ON SHEET 1

spec ref		SEE NOTES		dr	SHU CHEN	2014-3-25	projection	MM	size	A2	scale	1:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	HEAVEN CEN	2014-3-25			ech no							
ASME Y14.5M				chr					product family		ExaMAX		rel level		In Work	
surface	✓	linear	0.X	±.3		ExaMAX RIGHT-ANGLE HDR						dag no	10124560		rev	2
			0.XX	±.10		ASSY 6 PR, 240 POS, 12 IMLA, 2MM										
			0.XXX	±.050		www.fci.com cat. no.										
		angular	0°	±°		Product - Customer Drw										
														sheet 4 of 17		



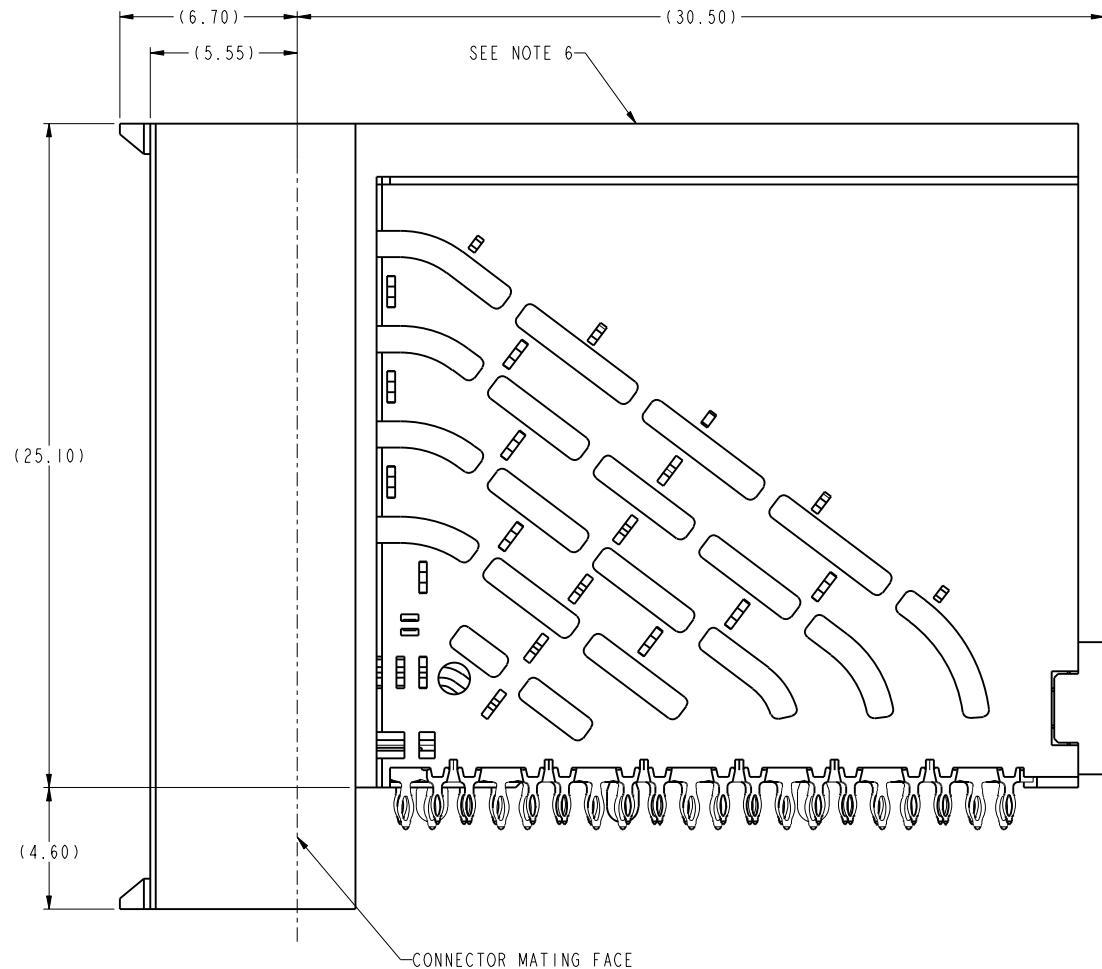
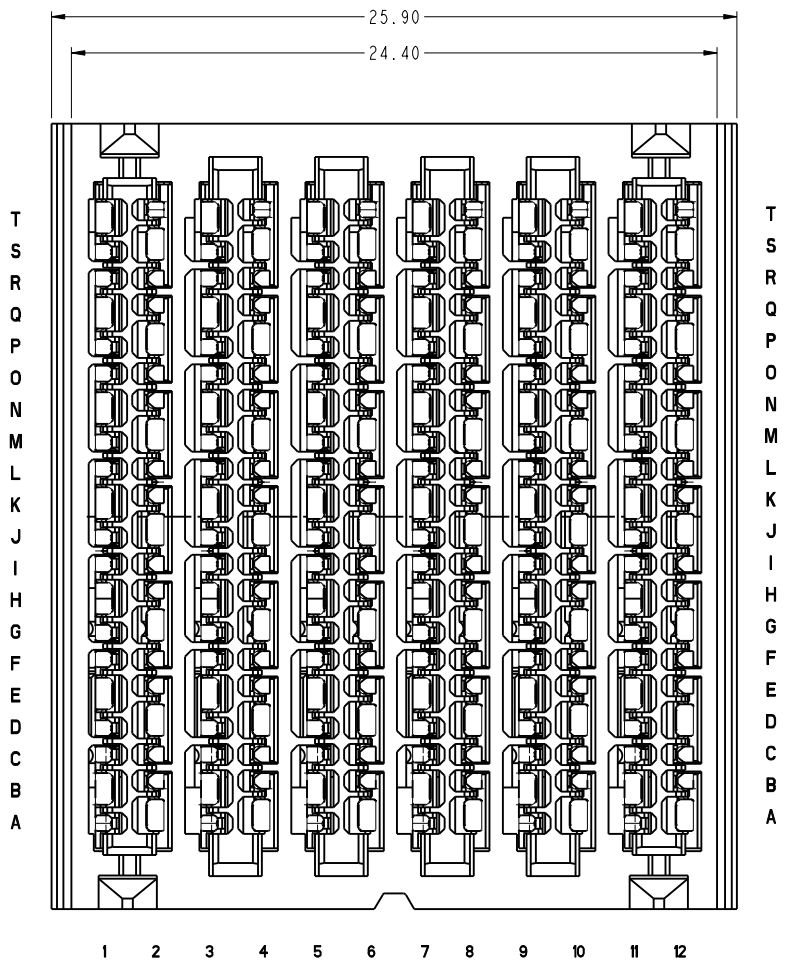
Copyright FCI.



DETAIL A
SCALE 16:1

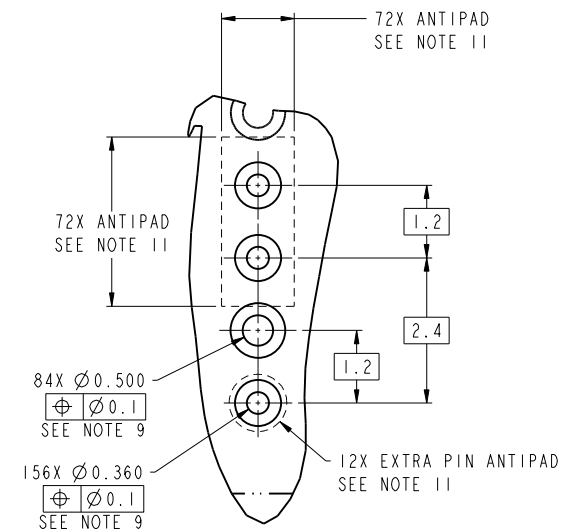
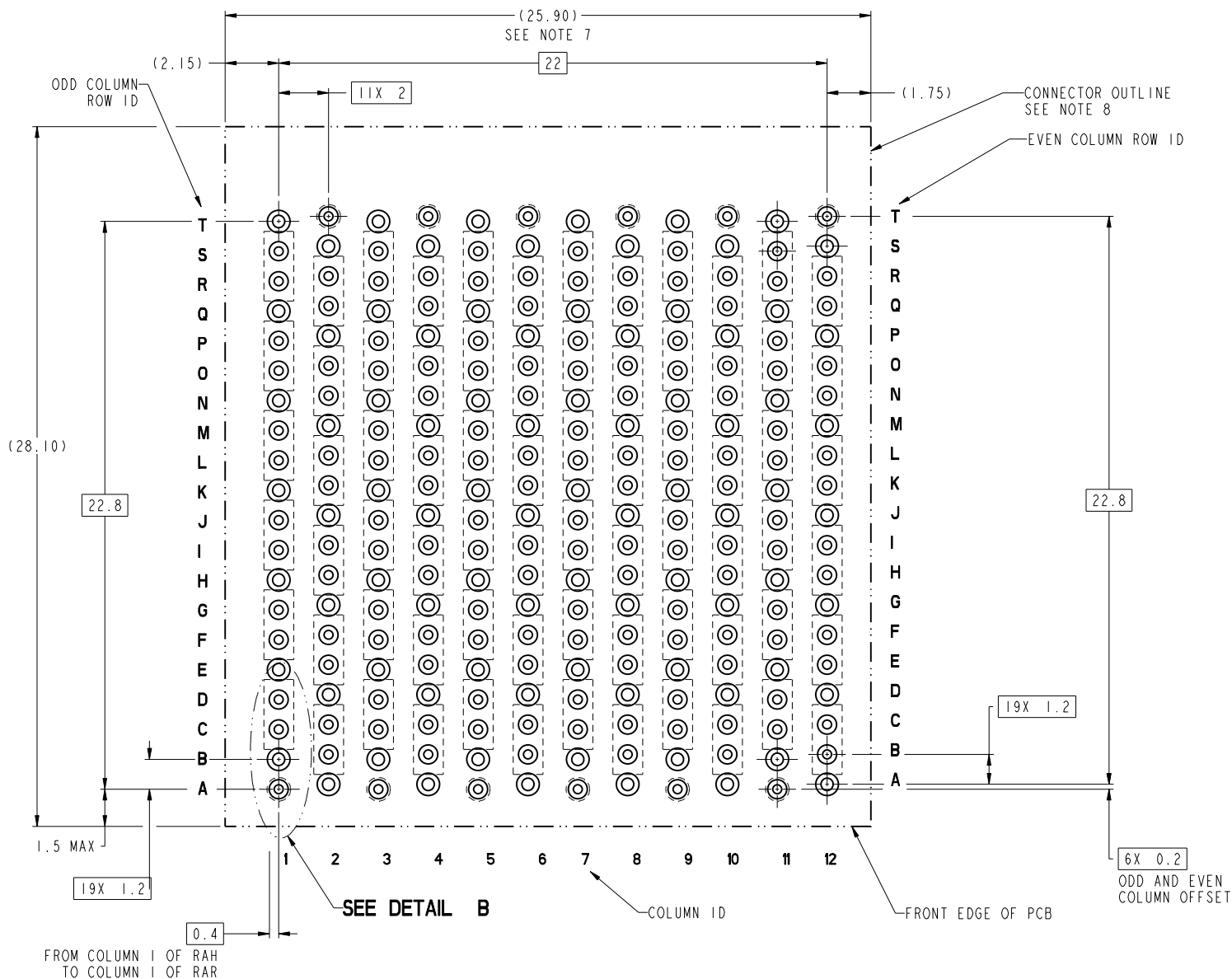
RECOMMENDED PCB LAYOUT FOR
10124560-Y01LF COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11

spec ref	SEE NOTES		dr	SHU CHEN	2014-3-25	projection		MM	size	A2	scale	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	HEAVEN CEN	2014-3-25				ecn no			
ASME Y14.5M			chr									
surface		linear	0.X	±.3		ExaMAX RIGHT-ANGLE HDR			drg no	10124560	2	
			0.XX	±.10								
			0.XXX	±.050								
		angular	0°	±								
			www.fci.com		cat. no.	Product - Customer Drw			sheet 5 of 17			



10124560-Y02LF (10124560-102LF SHOWN)
END WALLED CONNECTOR
FOR ALL OTHER DIMENSIONS SEE SHEET 1

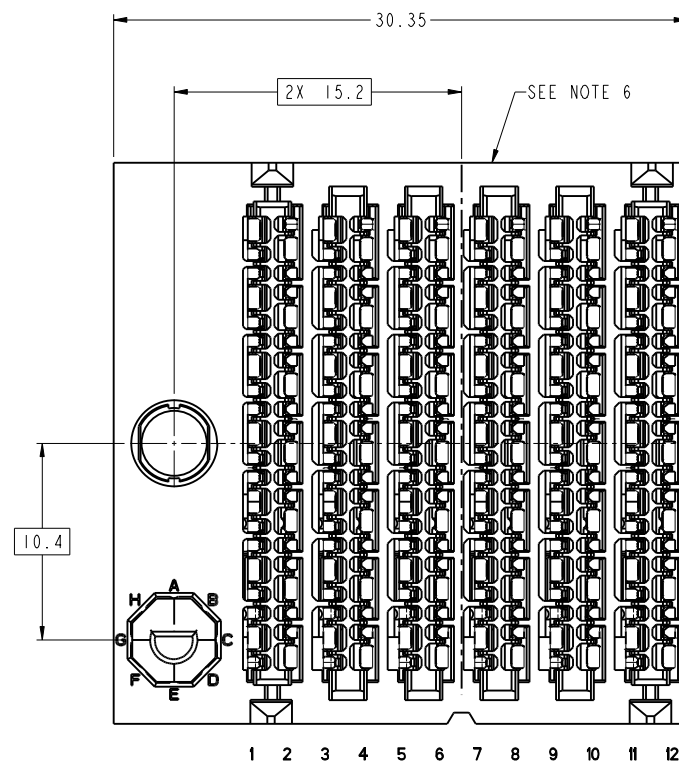
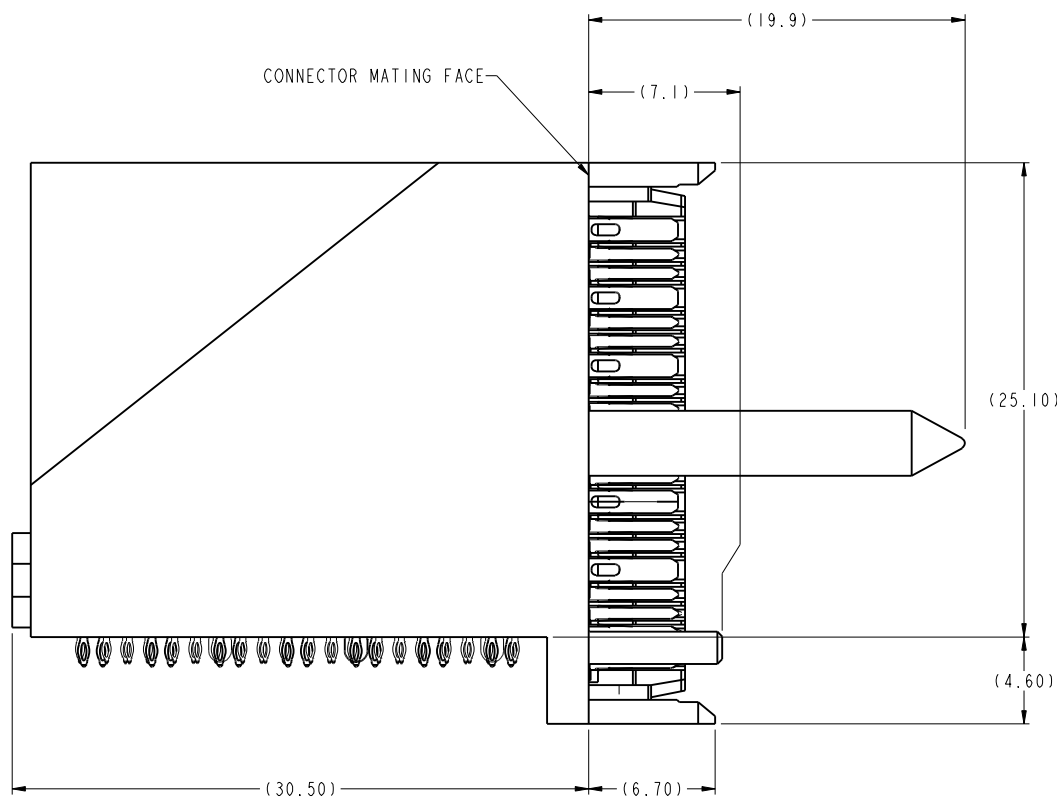
spec ref		SEE NOTES			dr		SHU CHEN		2014-3-25		projection		MM		size		A2		scale		8:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		HEAVEN CEN		2014-3-25						ech no		rel level		In Work						
ASME Y14.5M					chr																		product family		ExaMAX
surface		✓		linear		0.X		±.3				title		ExaMAX RIGHT-ANGLE HDR		assy 6 PR, 240 POS, 12 IMLA, 2MM		cat. no.		www.fci.com		Product - Customer Drw		sheet 6 of 17	
				0.XX		±.10																			
				0.XXX		±.050																			
				angular		0°		±°																	
														dog no		10124560		rev		2					



DETAIL B
SCALE 16:1

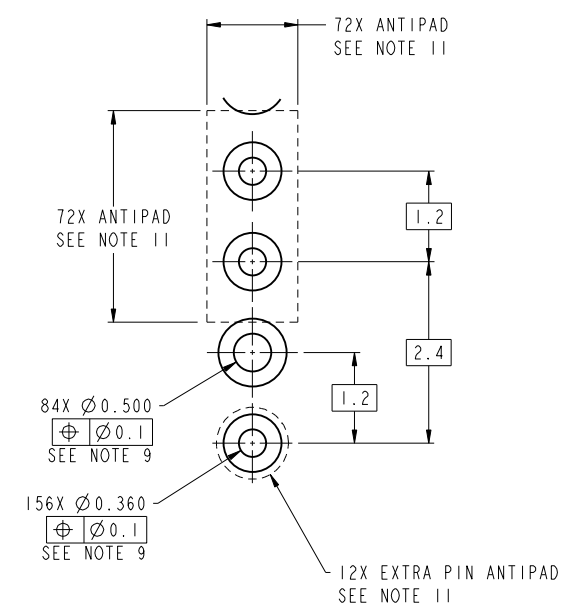
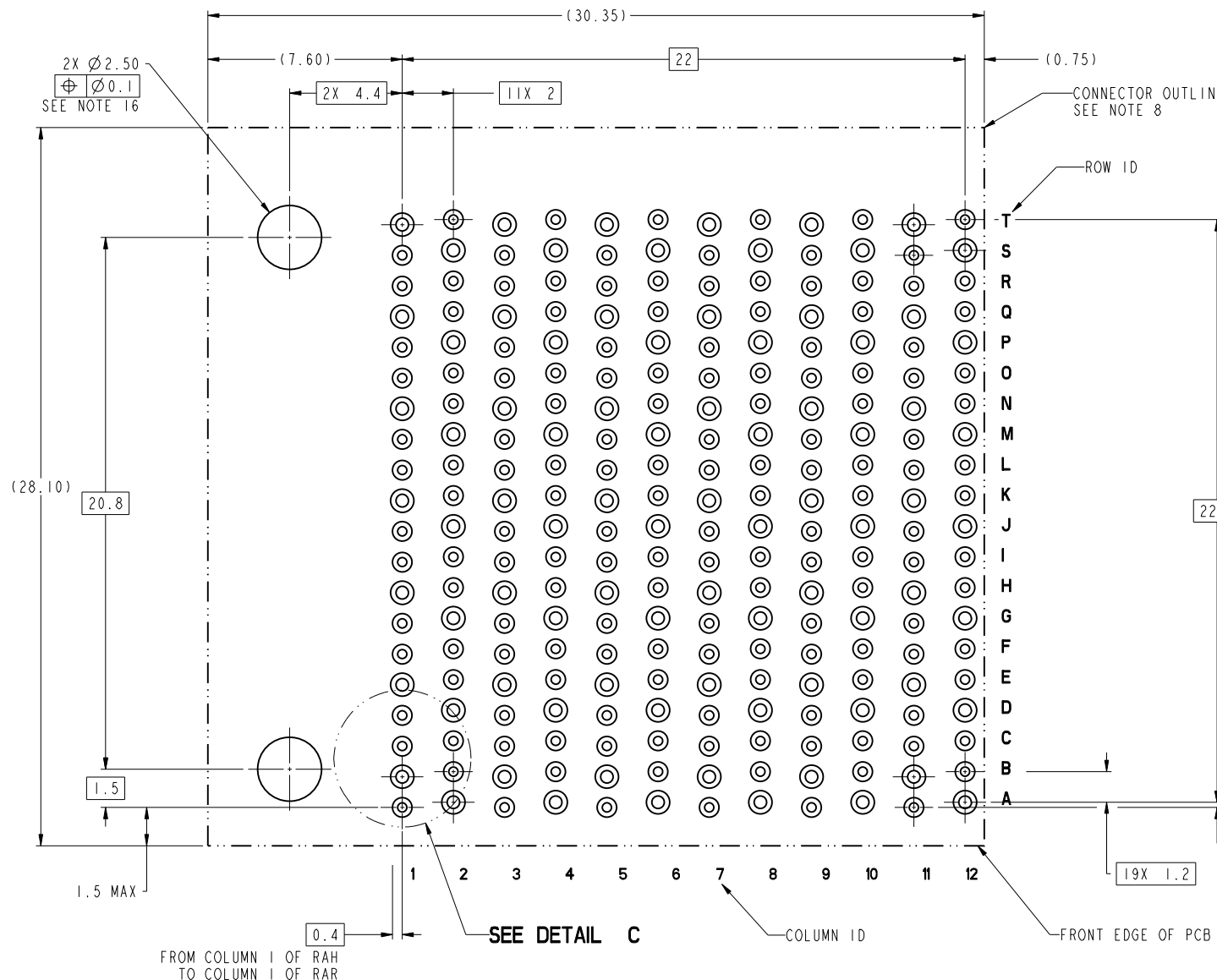
RECOMMENDED PCB LAYOUT FOR
10124560-Y02LF (END WALLD CONNECTOR) COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11

spec ref	SEE NOTES	dr	SHU CHEN	2014-3-25	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	HEAVEN CEN	2014-3-25	chr		ech no			
surface	✓	appr			product family	ExaMAX	rel level	In Work		
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	title	ExaMAX RIGHT-ANGLE HDR	ASSY 6 PR, 240 POS, 12 IMLA, 2MM	cat. no.		ang no	10124560	rev	2
angular	0° ±°	www.fci.com			Product - Customer Drw				sheet 7 of 17	



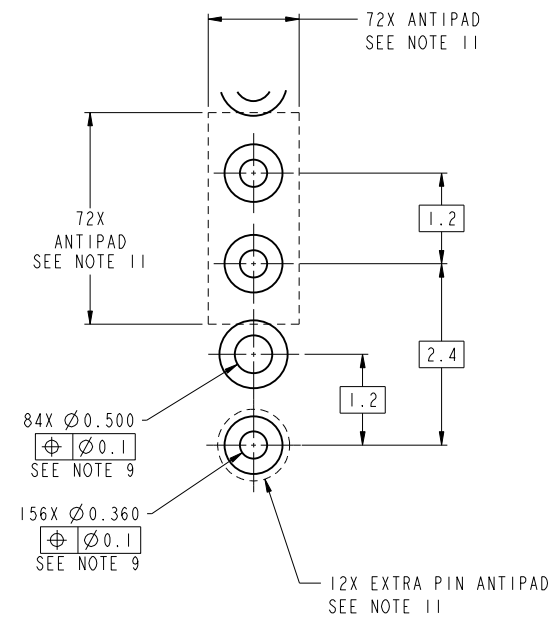
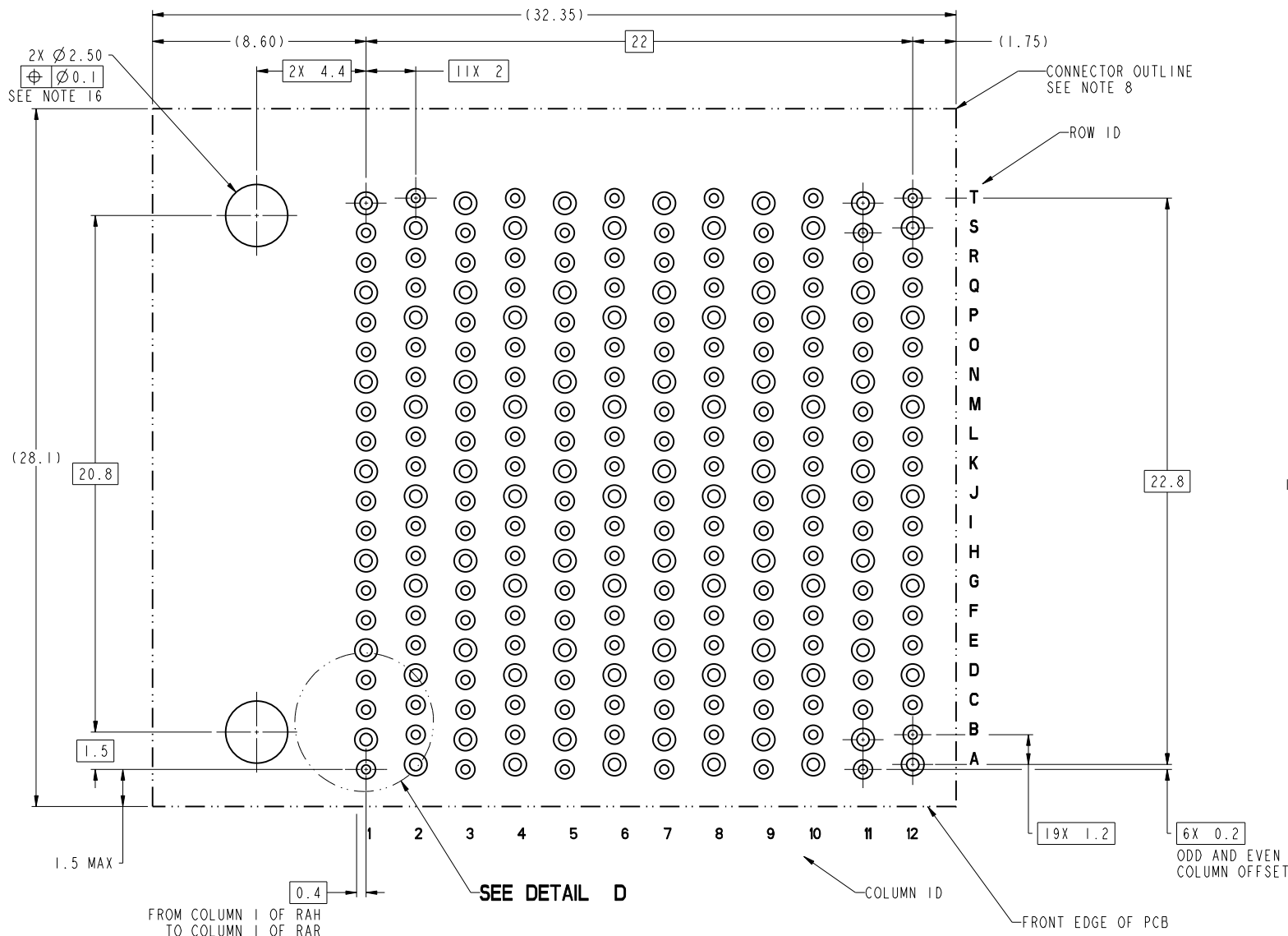
10124560-Y1ALF THRU -Y1JLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES			dr	SHU CHEN	2014-3-25	projection			size	A2	scale	6:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	HEAVEN CEN	2014-3-25			ech no					
ASME Y14.5M				chr					product family	ExaMAX	rel level	In Work		
surface 	linear	0.X	±.3		little	ExaMAX RIGHT-ANGLE HDR			dag no	10124560		rev	2	
		0.XX	±.10											
		0.XXX	±.050			ASSY 6 PR, 240 POS, 12 IMLA, 2MM								
	angular	0°	±°			www.fci.com	cat. no.			Product - Customer Drw				sheet 8 of 17



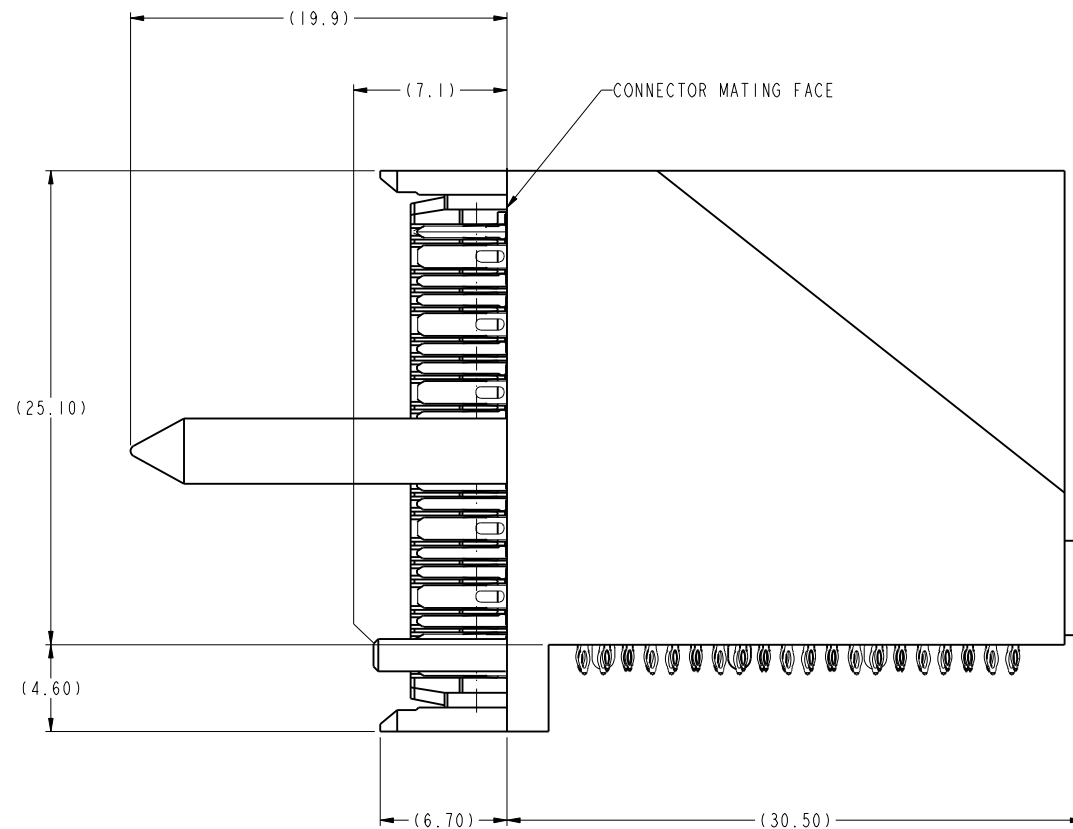
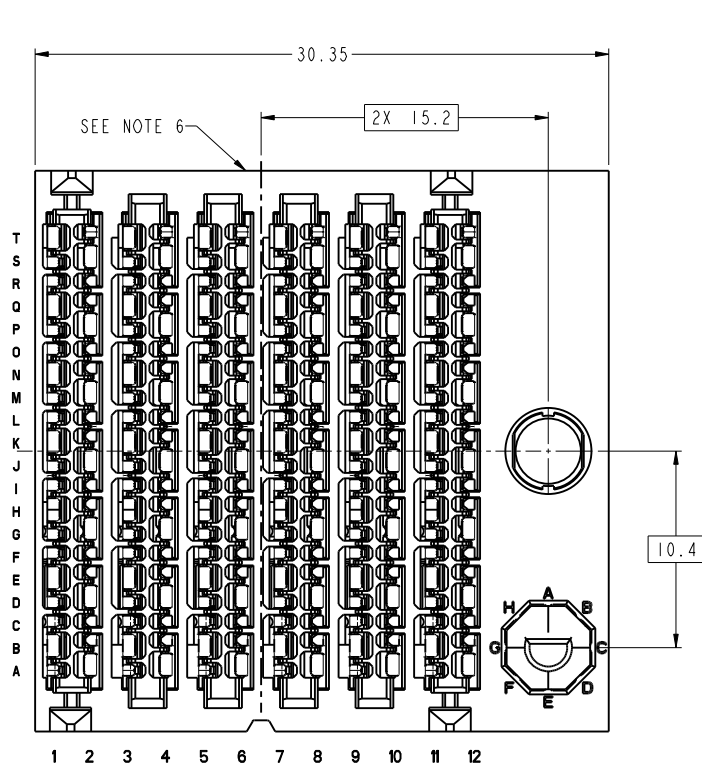
**RECOMMENDED PCB LAYOUT FOR
10124560-Y1ALF THRU -Y1JLF
w/RIGHT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 8, 9, 11, & 16**

spec ref	SEE NOTES	dr	SHU CHEN	2014-3-25	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	HEAVEN CEN	2014-3-25	chr		ech no			
surface	✓	appr			product family	ExaMAX	rel level	In Work		
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	title	FCI	ExaMAX RIGHT-ANGLE HDR	assy	no	10124560	rev	2	
angular	0° ±°	www.fci.com	cat. no.	ASSY 6 PR, 240 POS, 12 IMLA, 2MM	Product - Customer Drw			sheet 9 of 17		



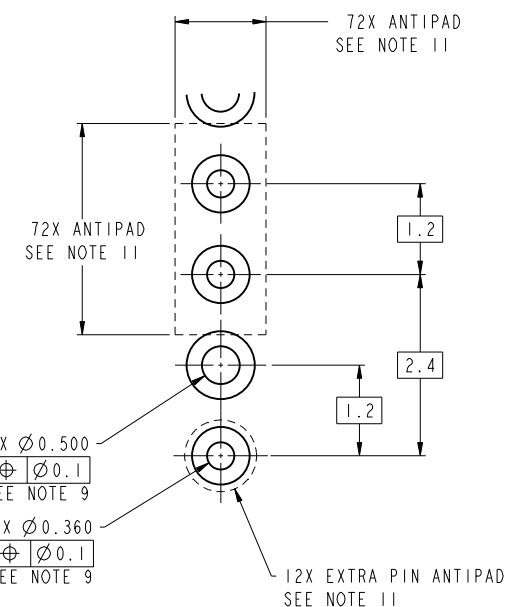
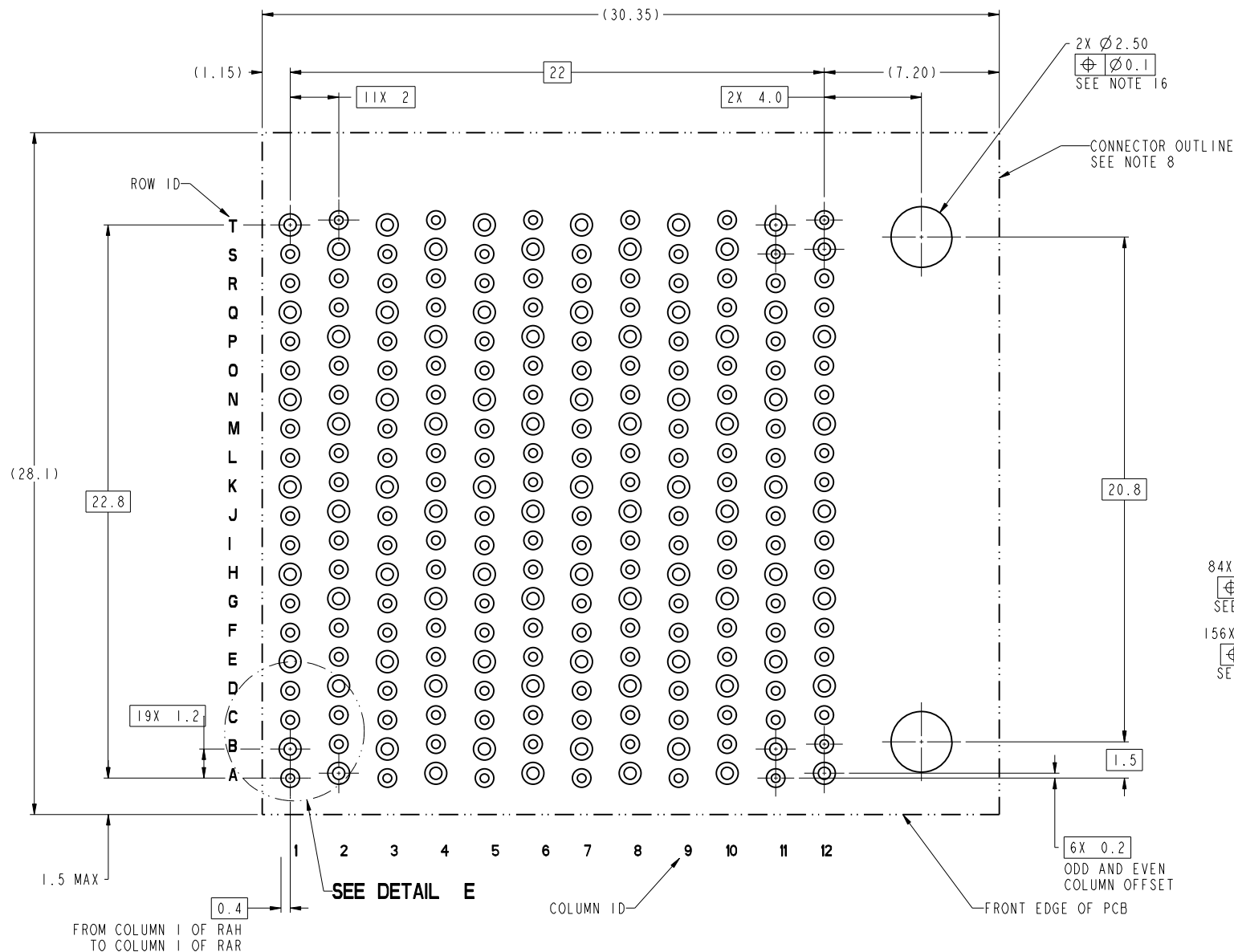
**RECOMMENDED PCB LAYOUT FOR
10124560-Y1LLF THRU -Y1WLF
w/RIGHT GUIDANCE AND END WALLS
COMPONENT SIDE
SEE NOTES 8, 9, 11, & 16**

spec ref	SEE NOTES		dr	SHU CHEN	2014-3-25	projection		MM	size A2	scale 2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	HEAVEN CEN	2014-3-25						
ASME Y14.5M			chr			product family	ExaMAX	ech no			
	appr			rel level	In Work						
surface ✓	linear	0.X ±.3		title	ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 240 POS, 12 IMLA, 2MM			ang no	10124560	rev	2
		0.XX ±.10									
		0.XXX ±.050									
		angular 0° ±°									
			www.fci.com		cat. no.	Product - Customer Drw			sheet 11 of 17		



10124560-Y2ALF THRU -Y2JLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

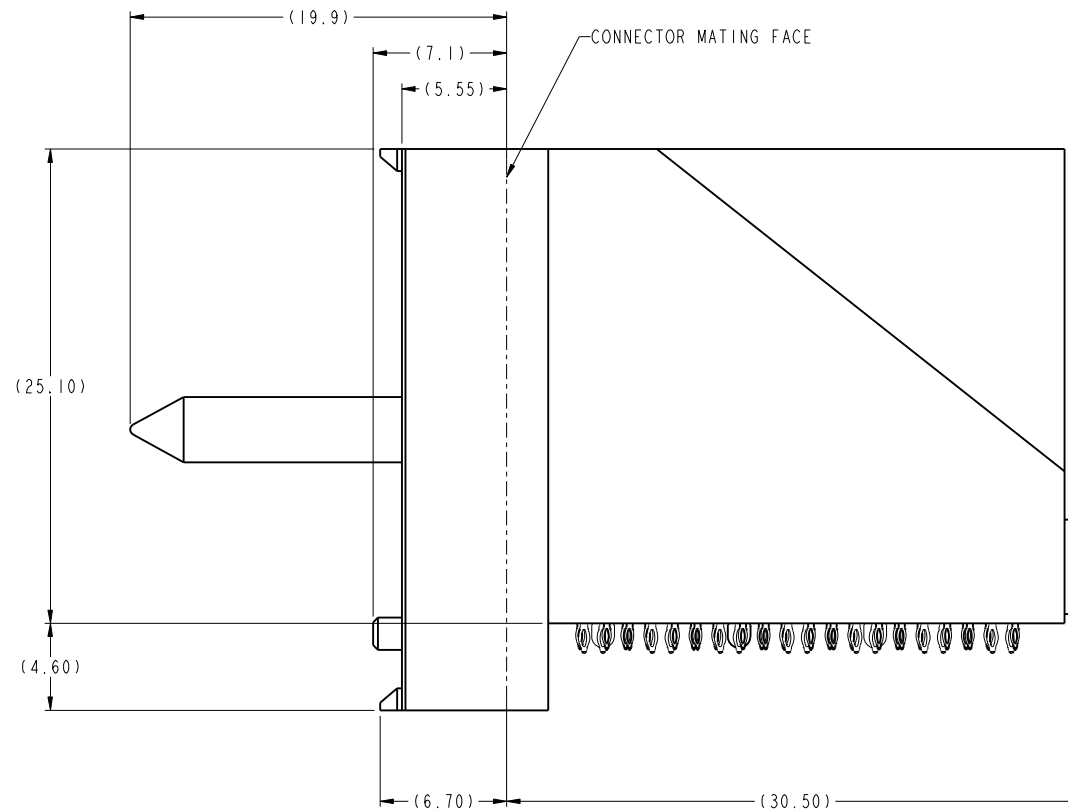
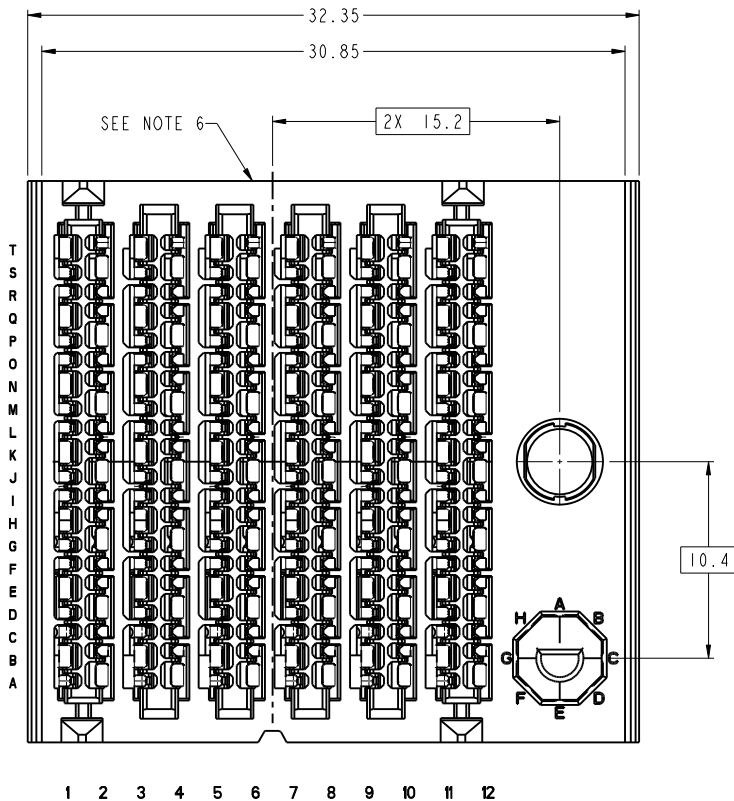
spec ref	SEE NOTES			dr	SHU CHEN	2014-3-25	projection		MM		size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	HEAVEN CEN	2014-3-25					ech no			
ASME Y14.5M				appr			product family	ExaMAX	rel level	In Work				
surface	✓	linear	0.X	±.3		ExaMAX RIGHT-ANGLE HDR				ang no	10124560	rev	2	
			0.XX	±.10		ASSY 6 PR, 240 POS, 12 IMLA, 2MM								
			0.XXX	±.050										
		angular	0°	±°										
			www.fci.com			cat. no.	Product - Customer Drw				sheet 12 of 17			



DETAIL E
SCALE 20:1

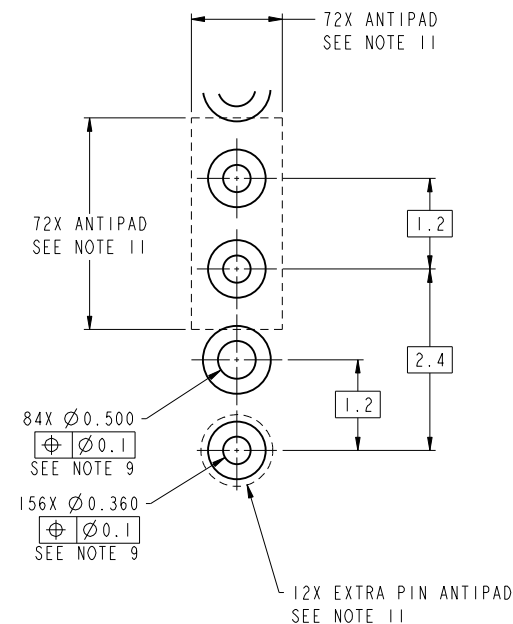
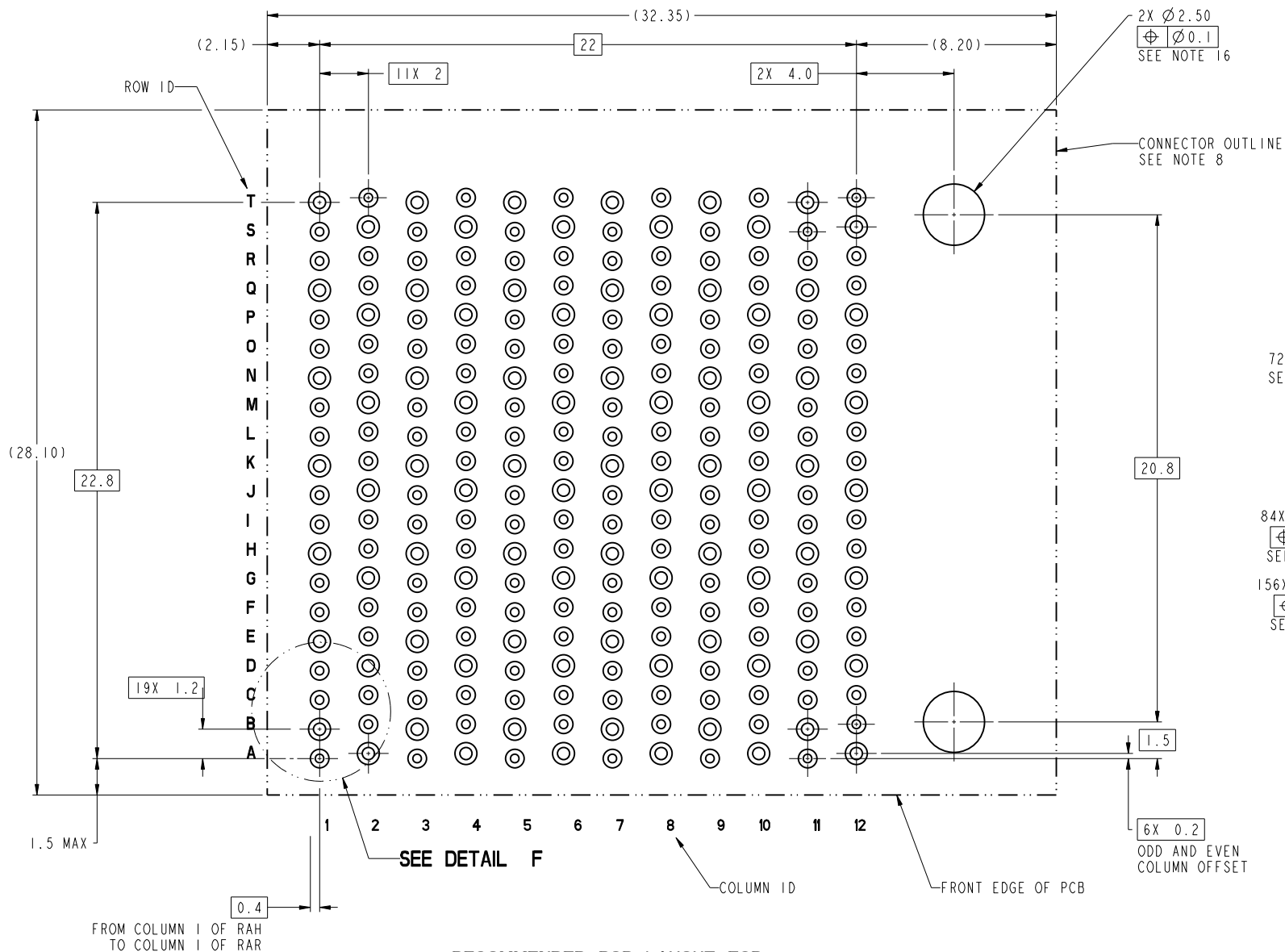
RECOMMENDED PCB LAYOUT FOR
10124560-Y2ALF THRU -Y2JLF
w/LEFT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 8, 9, 11, & 16

spec ref	SEE NOTES	dr	SHU CHEN	2014-3-25	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	HEAVEN CEN	2014-3-25	chr		ech no			
surface	✓	appr			product family	ExaMAX	rel level	In Work		
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	title	FCI	ExaMAX RIGHT-ANGLE HDR	assy	6 PR, 240 POS, 12 IMLA, 2MM	ang no	10124560	rev	2
angular	0° ±°	cat. no.	www.fci.com		Product - Customer Drw				sheet	13 of 17



10124560-Y2LLF THRU -Y2WLF
LEFT GUIDANCE CONNECTOR W/END WALLS (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES			dr	SHU CHEN	2014-3-25	projection		MM		size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	HEAVEN CEN	2014-3-25					ecn no			
ASME Y14.5M				appr				product family	ExaMAX	rel level	In Work			
surface	✓	linear	0.X	±.3		little	ExaMAX RIGHT-ANGLE HDR				drg no	10124560	rev	
			0.XX	±.10										
			0.XXX	±.050										
			angular	0°	±°	www.fci.com	cat. no.	Product - Customer Drw				sheet 14 of 17		



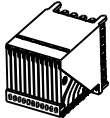
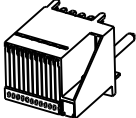
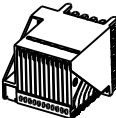
DETAIL F
SCALE 20:1

RECOMMENDED PCB LAYOUT FOR
10124560-Y2LLF THRU -Y2WLF
w/LEFT GUIDANCE AND END WALLS
COMPONENT SIDE
SEE NOTES 8, 9, 11, & 16

spec ref	SEE NOTES	dr	SHU CHEN	2014-3-25	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	HEAVEN CEN	2014-3-25	chr		ech no			
surface	✓	appr			product family	ExaMAX	rel level	In Work		
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	title	FCI	ExaMAX RIGHT-ANGLE HDR	assy	6 PR, 240 POS, 12 IMLA, 2MM	ang no	10124560	rev	2
angular	0° ±0°	www.fci.com	cat. no.		Product - Customer Drw		sheet	15 of 17		

10124560 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION	STATUS
10124560-1YYLF	STANDARD MATE	NOT TOOLED
10124560-2YYLF	ADVANCED MATE	NOT TOOLED
10124560-3YYLF	SHORT DETECT	NOT TOOLED
10124560-4YYLF	ADVANCED MATE & SHORT DETECT	NOT TOOLED

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER									BASE MODULE	STATUS
WITHOUT END WALLS (SEE SHEET 1)	01										NOT TOOLED
WITH END WALLS (SEE SHEET 6)	02										NOT TOOLED
RIGHT GUIDANCE MODULE, WITHOUT END WALLS (SEE SHEET 8)	1A	1B	1C	1D	1E	1F	1G	1H	1J (NO KEY)		NOT TOOLED
											
											
	1L	1M	1N	1P	1R	1T	1U	1V	1W (NO KEY)		
											
	2A	2B	2C	2D	2E	2F	2G	2H	2J (NO KEY)		
											
	2L	2M	2N	2P	2R	2T	2U	2V	2W (NO KEY)		
											
	2L	2M	2N	2P	2R	2T	2U	2V	2W (NO KEY)		
LEFT GUIDANCE MODULE, WITHOUT END WALLS (SEE SHEET 12)											NOT TOOLED
LEFT GUIDANCE MODULE, WITH END WALLS (SEE SHEET 14)											NOT TOOLED

spec ref		SEE NOTES		dr	SHU CHEN	2014-3-25	projection		MM		size	A2	scale	1:1
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	HEAVEN CEN	2014-3-25					ecm no			
ASME Y14.5M				appr			product family		ExaMAX		rel level		In Work	
surface		linear	$0.X \pm .3$ $0.XX \pm .10$ $0.XXX \pm .050$			title ExaMAX RIGHT-ANGLE HDR		day no 10124560		rev 2				
		angular	$0^\circ \pm .5^\circ$	www.fci.com		col. no. ASSY 6 PR, 240 POS, 12 IMLA, 2MM		Product - Customer Drw		sheet 16 of 17				

NOTES

- ① - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
ORGANIZER: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE
REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1096
INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995)
CENTRAL OFFICE TEST SEQUENCE

PRESS-FIT TAILS: TIN OVER NICKEL (LEAD FREE)
- 3 - PRODUCT SPECIFICATION: GS-12-1096
- 4 - APPLICATION SPECIFICATION: GS-20-0361
- 5 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.
- ⑥ - PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑦ - THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT MODULES IS
24.0 mm FOR 10124560-Y01LF AND 26.0 mm FOR 10124560-Y02LF.
- ⑧ - CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO
BE USED AS A GUIDE FOR MANUAL CONNECTOR PLACEMENT.
- ⑨ - REFER TO CUSTOMER DRAWING 10119933 FOR INFORMATION
ON PCB HOLE DIAMETERS AND PLATING OPTIONS
- 10 - THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES &
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004
- ⑪ - REFER TO THE APPLICATION SPECIFICATION FOR TRACE ROUTING
EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE WIDTHS,
TRACE SPACING, ETC.
- 12 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C FOR 10-30 SECONDS
IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- ⑬ - THE ADVANCED MATE HEADER, 10124560-2YYLF, WHEN MATED
WITH AN ADVANCED MATE RIGHT ANGLE RECEPTACLE, 10123159-2YYLF, WILL
PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE
REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑭ - THE SHORT DETECT HEADER, 10124560-3YYLF, WHEN MATED
WITH A RIGHT ANGLE RECEPTACLE, 10123159-1YYLF, WILL
PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00MM AFTER THE
REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑮ - THE ADVANCED MATE/SHORT DETECT HEADER, 10124560-4YYLF, WHEN MATED
WITH AN ADVANCED MATE RIGHT ANGLE RECEPTACLE, 10123159-2YYLF, WILL
PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE
REMAINDER OF THE SIGNAL AND GROUND CONTACTS, AND 1 PAIR OF MATING
CONTACTS THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑯ - FOR CONNECTORS WITH EITHER A RIGHT OF LEFT GUIDE MODULE, TWO
PHILLIPS PAN HEAD M2 HOLD-DOWN SCREWS MAY BE USED TO SECURE THE
CONNECTOR TO THE PCB. THE SCREW LENGTH SHALL BE 2.0-6.0mm PLUS
THE THICKNESS OF THE PCB BOARD. SCREWS ARE NOT PROVIDED WITH THE CONNECTOR.
- ⑰ - LEFT / RIGHT INTEGRATED GUIDE ORIENTATION IS DETERMINED BY THE LOCATION OF THE GUIDE
FEATURE WHEN LOOKING AT THE MATING FACE OF THE RIGHT ANGLE RECEPTACLE THAT IT MATES
WITH (i. e. A RIGHT GUIDE VERTICAL HEADER MATES WITH A RIGHT GUIDE RIGHT ANGLE RECEPTACLE.)
- ⑱ - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.

spec ref	SEE NOTES		dr	SHU CHEN	2014-3-25	projection		MM	size	A2	scale	2:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	HEAVEN CEN	2014-3-25				ech no						
ASME Y14.5M			chr				product family	ExaMAX rel level In Work							
surface		linear	0.X	±.3			ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 240 POS, 12 IMLA, 2MM					dwg no	10124560	rev	2
		0.XX	±.10												
		0.XXX	±.050												
		angular	0°	±°											
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**Стандарт
Электрон
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Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

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С нами вы становитесь еще успешнее!

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