

Excellent Integrated System Limited

Stocking Distributor

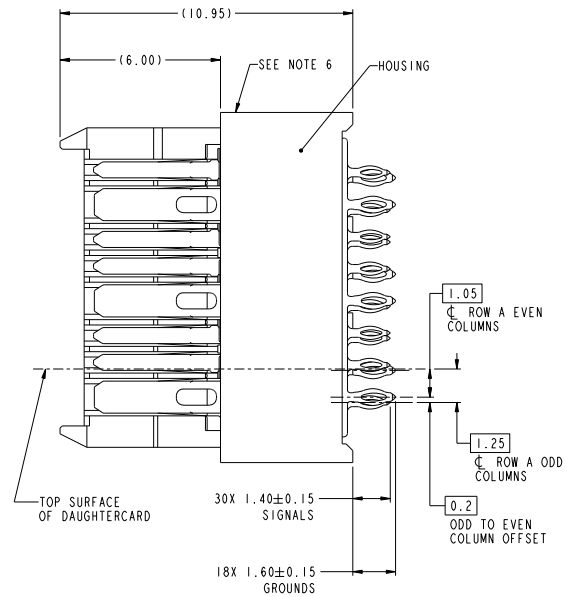
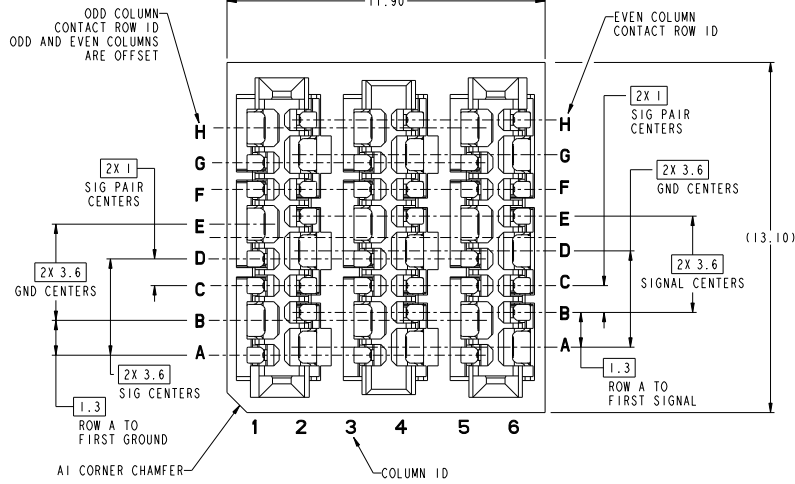
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[10128334-101LF](#)

For any questions, you can email us directly:

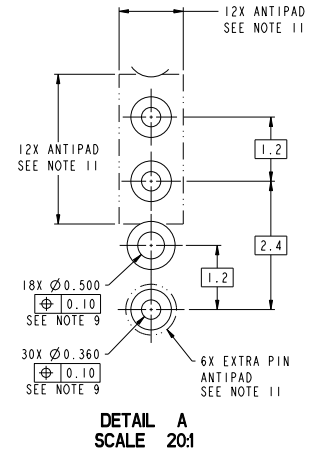
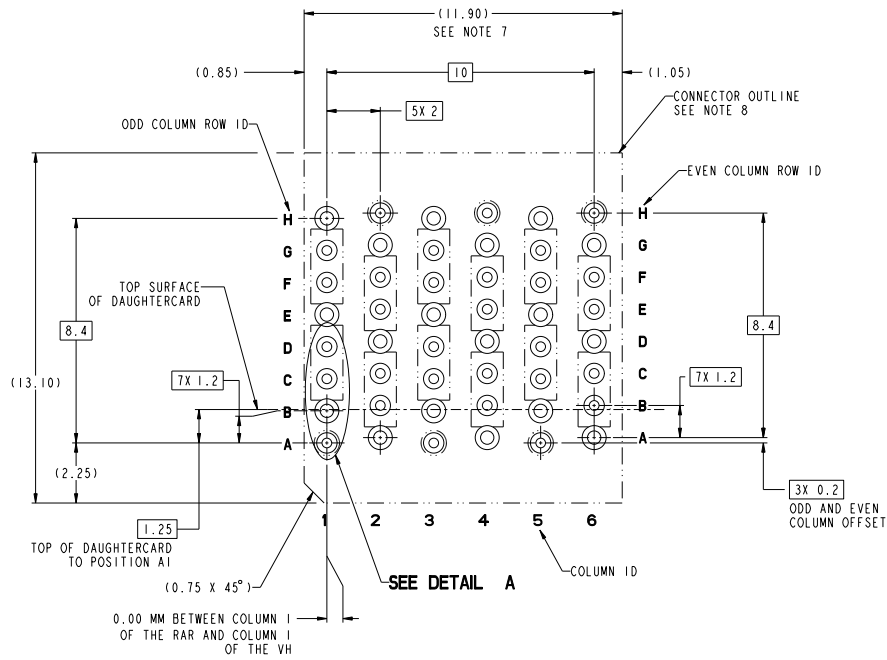
sales@integrated-circuit.com

PRODUCT NUMBER
SEE SHEET 16



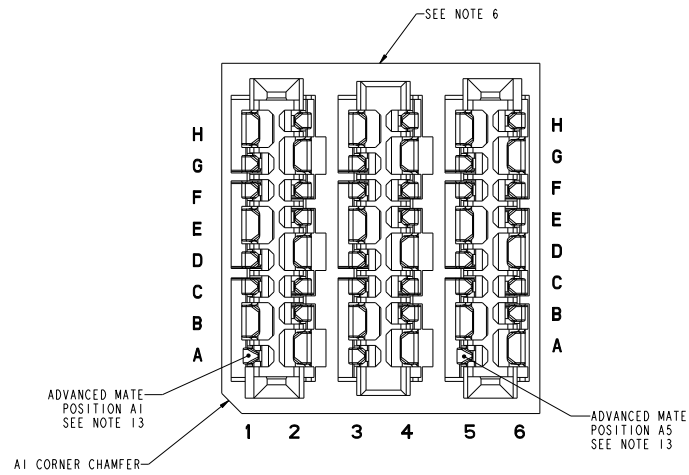
10128334-Y01LF
(10128334-101LF STANDARD MATE CONNECTOR SHOWN)

spec. ref.	---	dr.	design date	designer	projection	MM	size	A2	scale	5:1
tolerance std.	ASME Y14.5M	eng.	checked	approved	product family	ExoMAX	rel. level	Released		
surface	linear	0.X	±.3	0.XX	±.10	0.XXX	±.050	angular	°	±2°
FCI ExoMAX VERTICAL HEADER ASS'Y, 2 PAIR, 48 POS, 6 IMLA www.fci.com cat. no. SEE TABLE Product Customer Drw sheet 1 of 17										
PDS: Rev: A					STATUS: Released			Printed: May 15, 2015		



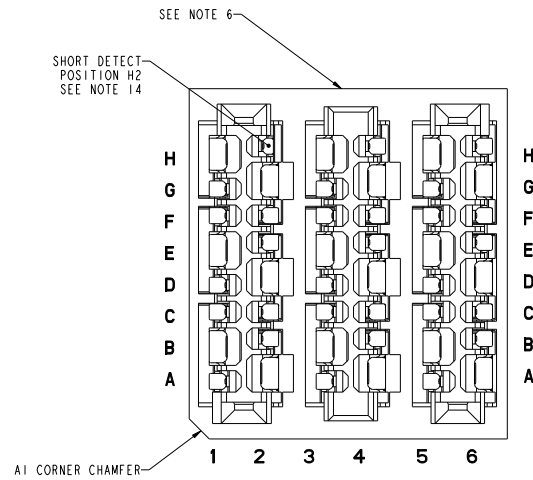
**RECOMMENDED PCB LAYOUT FOR
10128334-101LF COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11**

spec. ref.	---	dr.	designer	projection	MM	size	A2	scale	5:1
tolerance std.	ASME Y14.5M	eng.	checked	product family	ExoMAX	rel. level	Released		
surface	linear	0.1	±.3	FCI	ExoMAX VERTICAL HEADER	10128334			
	angular	0.1X	±.10		ASS'Y, 2 PAIR, 48 POS, 6 IMLA				
		0.1X	±.050						
		0"	±2"						
				www.fci.com	col. no.	SEE TABLE	Product	Customer Drw	sheet 2 of 17
				PDS: 6 rev :A		STATUS: Released		Printed: May 15, 2015	



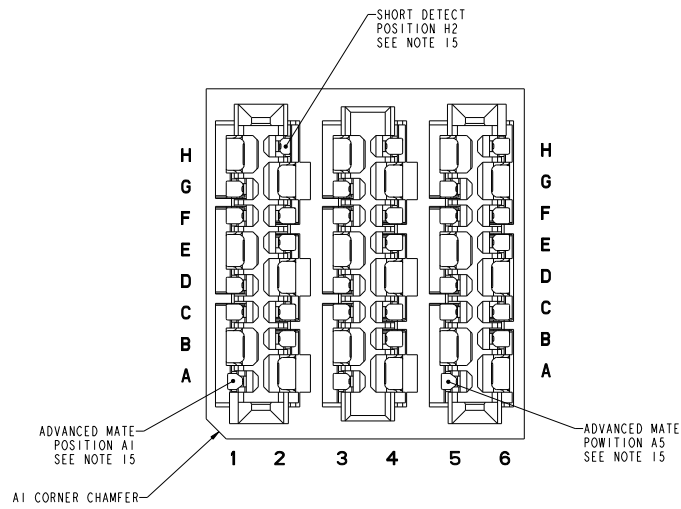
10128334-201LF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

spec ref		---		dr	design date	20150505	projection	MM	size	A2	scale	5:1		
tolerance std		ASME Y14.5M		eng	design date	20150505		chp	check date	20150505	product family	ExoMAX	rel level	Released
SPECS UNLESS OTHERWISE SPECIFIED		chp	check date	20150505										
surface		linear	0.X	±.3	0.XX	±.10	ExoMAX VERTICAL HEADER				10128334	Rev	A	
		angular	0°	±.050	ASS'Y, 2 PAIR, 48 POS, 6 IMLA									
		www.fcimag.com				col. no.	SEE TABLE	Product - Customer Draw		sheet 3 of 17				
5		PDS: Rev: A		STATUS: Released				Printed: May 15, 2015						



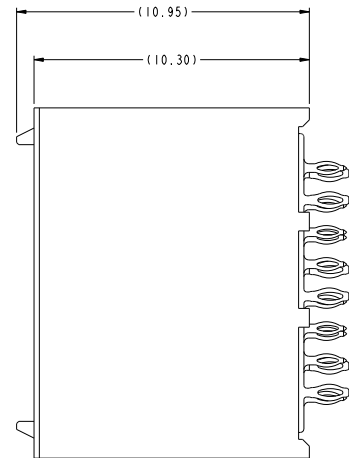
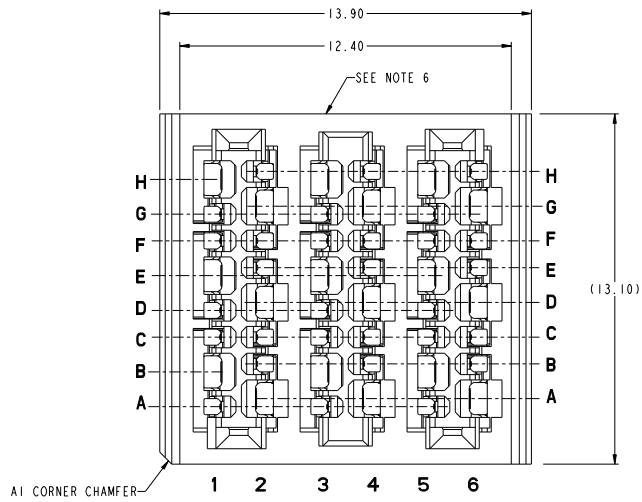
10128334-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS H2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

spec ref		---		dr	00000000	projection	MM	size	A2	scale	5:1		
tolerance std		ASME Y14.5M		eng	00000000	chf	00000000	product family		ExoMAX	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED													
surface		✓	linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	angular	0° ±2°	FCI ExoMAX VERTICAL HEADER ASS'Y, 2 PAIR, 48 POS, 6 IMLA					rev	A
5		PDS: Rev :A		STATUS:Released		Printed: May 15, 2015							



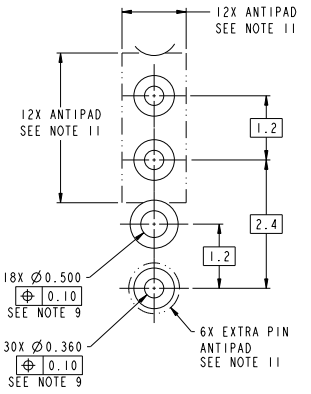
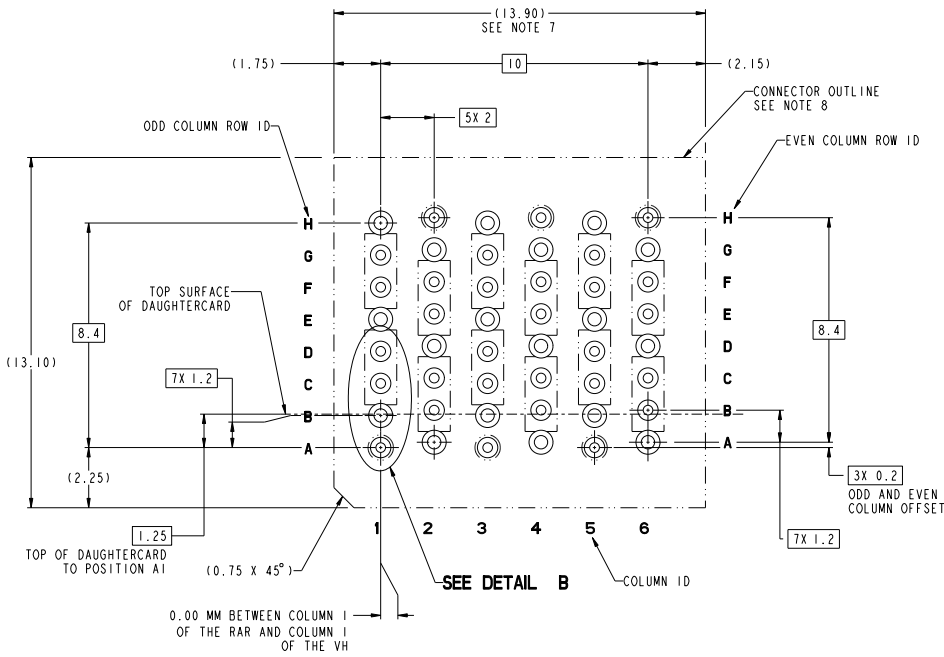
10128334-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITION IS H2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

spec ref	---	dr	design date	20150505	projection	MM	size	A2	scale	3:1
tolerance std	ASME Y14.5M	eng	design date	20150505	product family	ExoMAX	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED										
surface	linear	0.X	±.3	FCI	Title	ExoMAX VERTICAL HEADER	no	10128334	rev	A
		0.XX	±.10							
		0.XXX	±.050							
	angular	°	±2°	www.fci.com	col. no.	SEE TABLE	Product	Customer Drw	sheet 5 of 17	
PDS: Rev :A				STATUS: Released				Printed: May 15, 2015		



10128334-Y02LF (10128334-102LF SHOWN)
END WALLED CONNECTOR
FOR ALL DIMENSIONS SEE SHEET 1

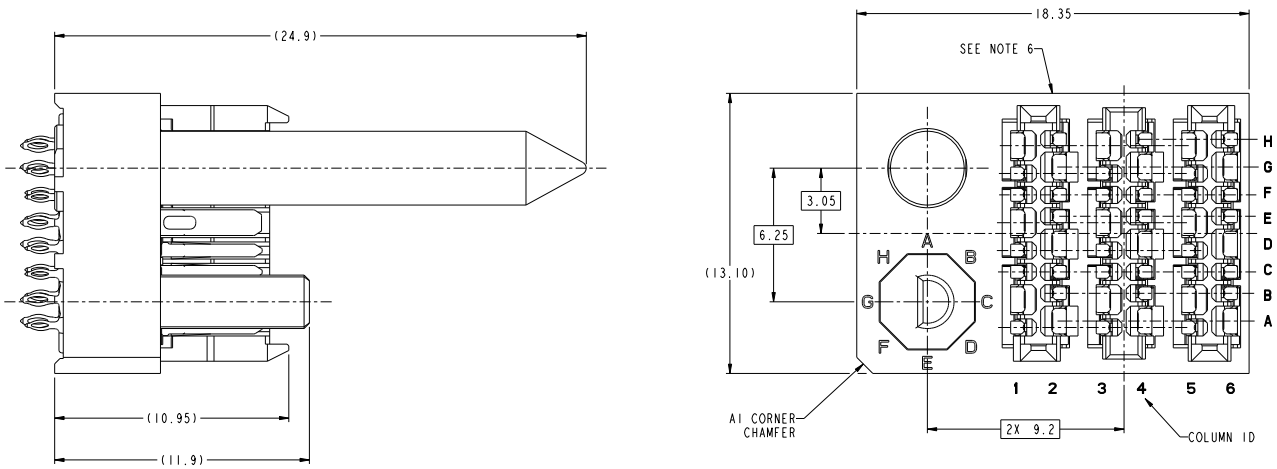
spec. ref.	---	dr.	00000000	projection	MM	size	A2	scale	2:1
tolerance std.	ASME Y14.5M	eng.	00000000	product family	ExoMAX	rel. level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED									
surface	linear	0.X	±.3	FCI	ExoMAX VERTICAL HEADER	no.	10128334	rev	A
		0.XX	±.10						
		0.XXX	±.050						
	angular	°	±2°	www.fci.com	col. no.	SEE TABLE	Product	Customer Drw	sheet 6 of 17
PDS: Rev :A					STATUS: Released			Printed: May 15, 2015	



DETAIL B
SCALE 20:1

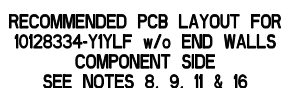
RECOMMENDED PCB LAYOUT FOR
10128334-Y02LF (END WALLD CONNECTOR) COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11

spec. ref.	---	dr.	design date	revision	projection	MM	size	A2	scale	2:1
tolerance std.	ASME Y14.5M	eng.	checked	approved	product family	ExoMAX	rel. level	Released		
surface	linear	0.X	±.3	0.XX	±.10	0.XXX	±.050	angular	°	±2°
FCI ExoMAX VERTICAL HEADER ASS'Y, 2 PAIR, 48 POS, 6 IMLA www.fci.com cat. no. SEE TABLE Product Customer Drw sheet 7 of 17										
PDS: 6 rev :A				STATUS: Released				Printed: May 15, 2015		



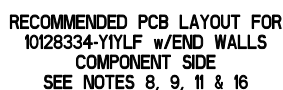
10128334-Y1ALF THRU -Y1JLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	---	dr	designer	approval	projection	MM	size	A2	scale	5:1
tolerance std	ASME Y14.5M	eng	checked	approved	product family	ExoMAX	rel level	Released		
surface	linear	0.X	±.3	0.XX	±.10	0.XXX	±.050			
	angular	°	±2°							
FCI ExoMAX VERTICAL HEADER ASS'Y, 2 PAIR, 48 POS, 6 IMLA www.fci.com cat. no. SEE TABLE Product Customer Drw sheet 8 of 17										
PDS: Rev :A				STATUS: Released				Printed: May 15, 2015		

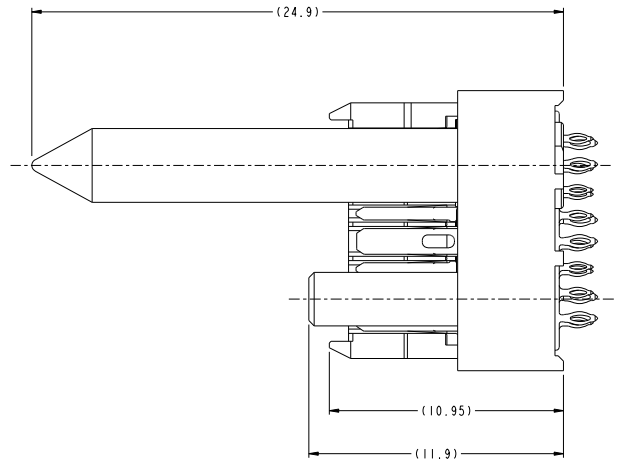
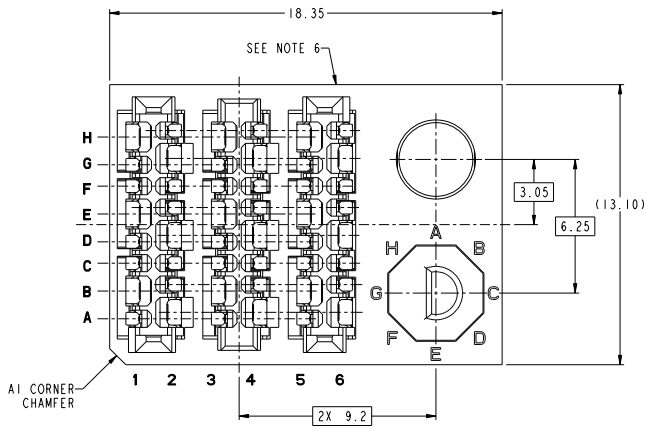


spec ref		---	dr		David Kline	JD000000	projection				MM	size	A2	scale	2:1		
tolerance std			eng		Therese Lee	JD000000			ecn no								
ASME Y14.5M																	
TOLERANCES UNLESS OTHERWISE SPECIFIED																	
				mgr		JD000000	JD000000		product family		ExoMAX		ref level		Released		
surface 						Title		ExoMAX VERTICAL HEADER				10128334		rev			
		linear		0.1 $\pm$.03				ASS'Y, 2 PAIR, 48 POS, 6 IMLA									
		0.125 $\pm$.01															
		0.125 $\pm$.050															
square				www.fcimag.com		cat ag		serf table		Product		Customer		Design		sheet 6 of 17	

10128334-Y1LLF THRU -Y1WLF
RIGHT GUIDANCE CONNECTOR w/END WALLS (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1



(spec ref)		---		drg	Drawing Name	06090824	projection		size	A2	scale	2:1
tolerance size				dr	Drawn By	06090824		MM				
ASME Y14.5M		TOLERANCES UNLESS OTHERWISE SPECIFIED		chd	Checked By	06090824			ecn no			
				appr	Approved By	06090824						
							product family		ExaMAX rev/ref		Released	
surface	✓	linear	0.1 ± 0.3 0.0X ± 0.10 0.0XX ± 0.050		ExoMAX VERTICAL HEATER				10128334		rev	max
		angular	0° ± 0.5°	www.fcicom	col. no.	SEE TABLE	Product -	Customer Drw	sheet 11 of 17			
5	PDS: Rev A4				STATUS: Released				Printed: May 15, 2015			



10128334-Y2ALF THRU -Y2JLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL DIMENSIONS SEE SHEET 1

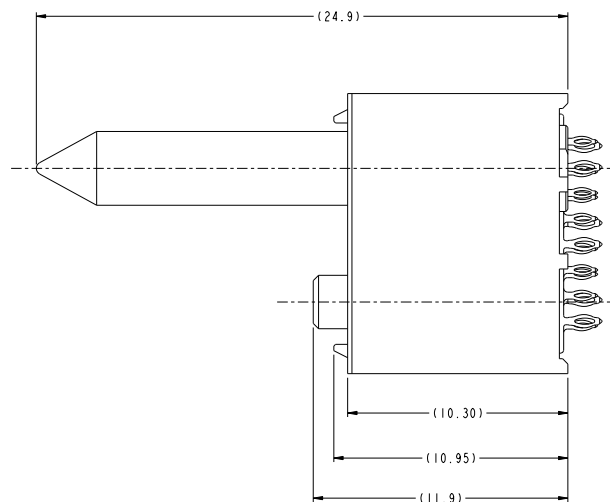
spec. ref.	---	dr.	designer	projection	MM	size	A2	scale	3:1
tolerance std.	ASME Y14.5M	eng.	checked	product family	ExoMAX	rel. level	Released		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chf.	approved						
surface	linear	0.X	±.3	FCI	ExoMAX VERTICAL HEADER	no	10128334	rev	A
	linear	0.XX	±.10		ASS'Y, 2 PAIR, 48 POS, 6 IMLA	deg			
	angular	0.XXX	±.050	www.fci.com	col. no.	SEE TABLE	Product	Customer Drw	sheet 12 of 17
	angular	0°	±2°						

PDS: Rev :A

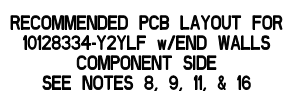
STATUS:Released

Printed: May 15, 2015





spec ref	---	dr	Drawn Date	20060524	projection	MM	size	A2	scale	2:1													
tolerance std		eng	Eng Date	20060524			ecc no																
ASME Y14.5M		app'r	App'r Date	20060524																			
TOLERANCES UNLESS OTHERWISE SPECIFIED		product family		ExoMAX		rel level	Released																
surface	✓ <table border="1"> <tr><td>0.X</td><td>±.3</td></tr> <tr><td>0.1X</td><td>±.10</td></tr> <tr><td>0.1XX</td><td>±.050</td></tr> <tr><td>0.X</td><td>±.25</td></tr> </table>	0.X	±.3	0.1X	±.10	0.1XX	±.050	0.X	±.25	FCI <table border="1"> <tr><td>linear</td><td>0.1X</td><td>±.10</td></tr> <tr><td>angular</td><td>0°</td><td>±.25</td></tr> </table>		linear	0.1X	±.10	angular	0°	±.25	Title ExoMAX VERTICAL HEADER		C 10128334		rev A	
0.X	±.3																						
0.1X	±.10																						
0.1XX	±.050																						
0.X	±.25																						
linear	0.1X	±.10																					
angular	0°	±.25																					
		FCI.com cat. ap. self table		Product Customer Drw		sheet id of 17																	

[illegible]

10128334 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10128334-1YYLF	STANDARD MATE
10128334-2YYLF	ADVANCED MATE
10128334-3YYLF	SHORT DETECT
10128334-4YYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER									BASE MODULE
WITHOUT END WALLS (SEE SHEET 1)	01									
WITH END WALLS (SEE SHEET 6)	02									
RIGHT GUIDANCE MODULE, WITHOUT END WALLS (SEE SHEET 8)	1A	1B	1C	1D	1E	1F	1G	1H	1J (NO KEY)	
										
RIGHT GUIDANCE MODULE, WITH END WALLS (SEE SHEET 10)	1L	1M	1N	1P	1R	1T	1U	1V	1W (NO KEY)	
										
LEFT GUIDANCE MODULE, WITHOUT END WALLS (SEE SHEET 12)	2A	2B	2C	2D	2E	2F	2G	2H	2J (NO KEY)	
										
LEFT GUIDANCE MODULE, WITH END WALLS (SEE SHEET 14)	2L	2M	2N	2P	2R	2T	2U	2V	2W (NO KEY)	
										

spec. ref.		---		dr	00000000	00000000	projection	MM	size	A2	scale	5:1
tolerance std.		ASME Y14.5M		eng	00000000	00000000	product family	ExoMAX	rel. level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED												
surface	linear	0.X	±.3	FCI	ExoMAX VERTICAL HEADER				10128334	A	rev	
		0.XX	±.10		ASS'Y, 2 PAIR, 48 POS, 6 IMLA							
		0.XXX	±.050									
	angular	°	±2°									
www.fci.com				cat. no.		SEE TABLE	Product		Customer Drw		sheet 16 of 17	
PDS: 6 rev :A				STATUS:Released				Printed: May 15, 2015				

NOTES:

- ① - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
GUIDE PIN: ZINC ALLOY
POLARIZING PIN: ZINC ALLOY
- 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, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑦ - THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT MODULES IS
12.0 mm FOR 10128334-101LF AND 14.0 mm FOR 10128334-102LF.
- 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 APPLICATION SPECIFICATION FOR TRACE ROUTING
EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE
WIDTH, 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, 10128334-2XXLF, WHEN MATED
WITH AN ADVANCED MATE RIGHT ANGLE RECEPTACLE, 10128332-2XXLF, 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, 10128334-3XXLF, WHEN MATED
WITH A RIGHT ANGLE RECEPTACLE, 10128332-1XXLF, WILL
PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE
REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑮ - THE ADVANCED MATE / SHORT DETECT HEADER, 10128334-4YYLF, WHEN MATED
WITH AN ADVANCED MATE RECEPTACLE, 10128332-2YYLF, 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 OR LEFT GUIDE MODULE, A PHILLIPS PAN HEAD
M2 X 0.4 HOLD-DOWN SCREW SHALL BE USED TO SECURE THE CONNECTOR AND GUIDE PIN TO THE PCB.
THE SCREW LENGTH SHALL BE 2.0-6.0 MM PLUS THE THICKNESS OF THE PCB.
SCREW IS NOT PROVIDED WITH THE CONNECTOR.
- ⑰ LEFT / RIGHT INTEGRATED GUIDE ORIENTATION IS DETERMINED BY THE LOCATION OF THE GUIDE
FEATURES WHEN LOOKING AT THE MATING FACE OF THE RIGHT ANGEL RECEPTACLE. THE LEFT / RIGHT
DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGEL RECEPTACLE THAT IT MATES
WITH (i. e. A RIGHT GUIDE VERTICAL HEADER MATES WITH A RIGHT GUIDE ANGEL RECEPTACLE.)

spec ref	---	dr	00000000	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	00000000	chf	00000000	app	00000000	product family	ExoMAX
surface	✓	linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	angular	0° ±2°	www.fci.com	col. no.	SEE TABLE	Product - Customer Drw
TOLERANCES UNLESS OTHERWISE SPECIFIED				FCI		ExoMAX VERTICAL HEADER			
						ASS'Y, 2 PAIR, 48 POS, 6 IMLA			
						10128334			
						rel. level			
						Released			
						rev			
						A			
						sheet 17 of 17			

PDS: Rev :A

STATUS: Released

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