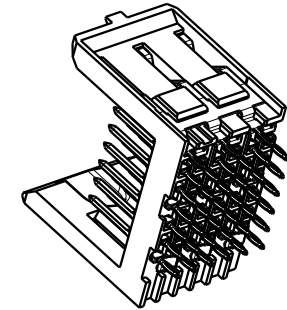
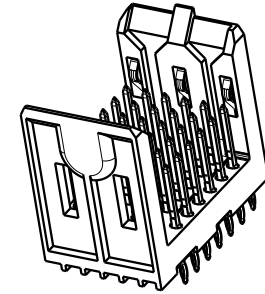
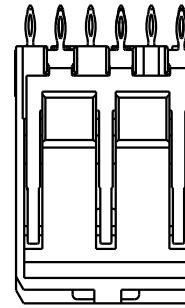
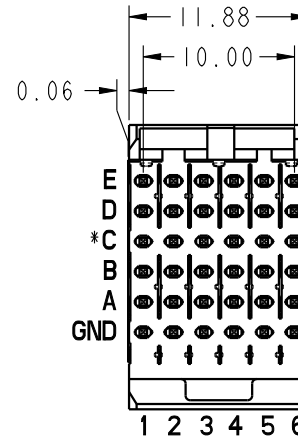
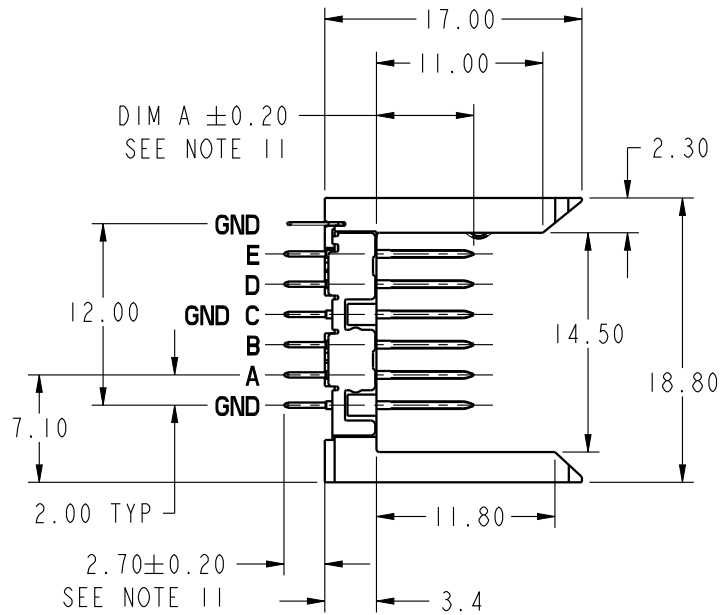


PRODUCT NUMBER
59569-X01ZZZLF

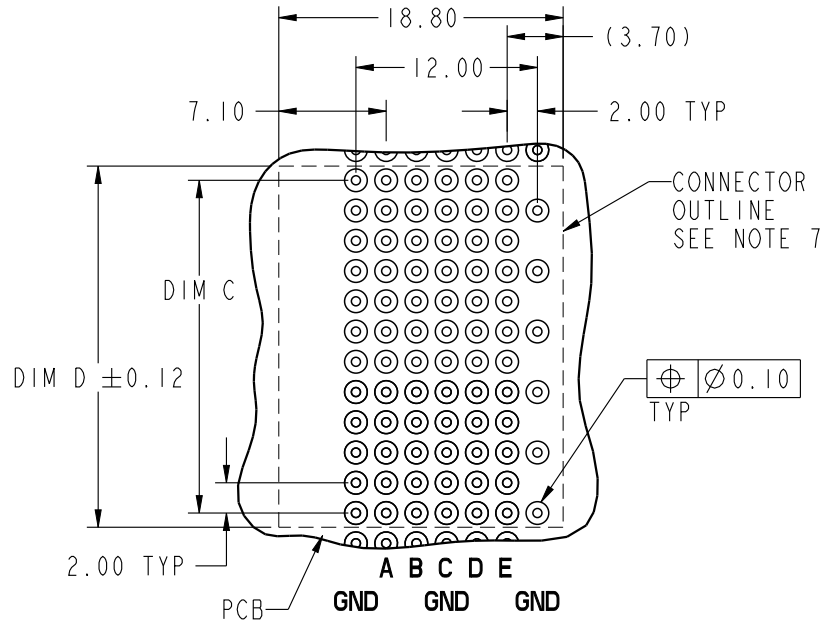


***ROW C INFORMATION**
ODD NUMBER COLUMNS WITHIN ROW C ARE COMMONED TO GROUND INTERNALLY WITHIN THE HOUSING. THE EVEN NUMBER COLUMNS WITHIN ROW C ARE NOT. FOR MAXIMUM PERFORMANCE IT IS RECOMMENDED THESE EVEN COLUMNS BE GROUND COMMONED WITHIN PCB. SEE NOTE 10

spec ref		dr P-Mathew Nebu 2011/05/20		projection		size A4		scale 2:1	
tolerance std ISO 406 ISO 1101		eng Narayanan, Aru 2021/01/15						ecn no ELX-I-39662-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -						rel level Released	
surface		appr Kuriakose, San 2021/01/16		product family METRAL 4000		rev		59569	
linear		0.X ±0.3		Amphenol FCI title VERTICAL SIGNAL HDR. 5 ROW P.F. 30 POS. SPECIAL LOAD EXT.		dwg no		M	
angular		0° ±2°				rel level		sheet 1 of 4	
0.XXX ±0.13		0.XXX ±0.050				Product - Customer Drw			
ISO 1302		cat. no.		Product - Customer Drw		sheet 1 of 4			

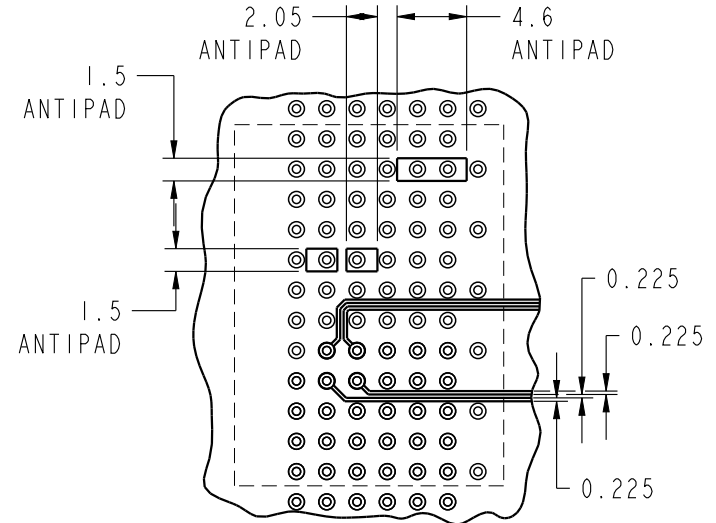
Creo F110:ELX-MC:AC,REV F,2020-12-21

PRODUCT NUMBER
SEE SHEET 1



RECOMMENDED PCB HOLE PATTERN
(COMPONENT SIDE)



SEE NOTE 9
FOR PTH DETAILS REFER DRAWING 58351



RECOMMENDED TRACE AND ANTIPAD DIMENSIONS
SCALE 2:1



spec ref		dr P-Mathew Nebu 2011/05/20		projection 	MM ←→	size A4	scale 1:1
tolerance std ISO 406 ISO 1101		eng Narayanan, Aru 2021/01/15				ecn no ELX-I-39662-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -				rel level Released	
surface		appr Kuriakose, San 2021/01/16		product family		rev	
ISO 1302	linear	0.X	± 0.3	Amphenol FCi		VERTICAL SIGNAL HDR. 5 ROW P.F. 30 POS. SPECIAL LOAD EXT.	
		0.XX	± 0.13				
		0.XXX	± 0.050				
	angular	0°	$\pm 2^\circ$	cat. no.		Product - Customer Drw	sheet 2 of 4
				dwg no 59569		rev M	

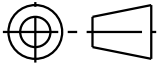


NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-014 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS. SEE PRODUCT SPECIFICATION GS-12-184.
2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5, 1994.
3. MATERIAL : BODY : THERMOPLASTIC UL94-V0. 
: CONTACT : COPPER ALLOY.
4. FOR PLATING PERFORMANCE REFER DRAWING # 10159408. 
5. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.
FOR USE WITH METRAL 4000 RECEPTACLES.
DIM A : 5.00mm MIN, 6.50mm MAX FOR ROWS A,B,D,E
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS C-F
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROWS GND
FOR USE WITH METRAL 1000 RECEPTACLES/
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A,B,C,D,E
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND
6. THE MIN PCB THICKNESS FOR FRONT PLUG-UP APPLICATIONS IS 1.6mm.
7. THE 'CONNECTOR OUTLINE' IS THE MIN OUTLINE REQUIRED. TO DETERMINE THE OUTLINE NECESSARY TO PERMIT THE VARIOUS TYPES OF REPAIR OPERATIONS, SEE APPLICATION SPECIFICATION GS-20-010.

8. P/N 59569-X01ZZZLF



9. AVOID TRACES ON TOP OF BOARD DUE TO EXPOSED GROUND SHIELD.
10. FOR FRONT PLUG-UP APPLICATIONS, THE EVEN NUMBERED PINS IN ROW "C" CAN BE USED FOR POWER AS WELL AS GROUND. IF THE SURROUNDING PINS ARE NOT USED FOR POWER, THEN EACH PIN CAN CARRY 3 AMPS. IF THE SURROUNDING PINS ARE USED FOR POWER, THEN EACH PIN CAN CARRY 1 AMP. WHEN THE SURROUNDING PINS ARE USED ONLY FOR LOW SPEED SIGNALS, THEN THE EVEN NUMBERED "C" ROW PINS CAN ALSO BE USED FOR LOW SPEED SIGNALS.
11. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
12. THE PRODUCTS MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004. 
13. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
14. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref		dr	P-Mathew Nebu	2011/05/20	projection 	MM 	size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Narayanan, Aru	2021/01/15			ecn no	ELX-I-39662-1		
		chr	-	-			rel level	Released		
ISO 406	surface 	appr	Kuriakose, San	2021/01/16	product family		rev	M		
ISO 1101		Amphenol FCI		title		VERTICAL SIGNAL HDR. 5 ROW		dwg no	59569	
ISO 1302		linear	0.X	±0.3	P.F. 30 POS. SPECIAL LOAD EXT.		sheet 3 of 4			
			0.XX	±0.13	Product - Customer Drw					
			0.XXX	±0.050						
	angular	0°	±2°	cat. no.						

Creo F114:ELX-MC:AC,REV F,2020-12-21

Amphenol FCI

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SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN CODES
59569-X01001LF	E	02
	D	
	C	
	B	
	A	
59569-X01002LF	GND	03
	E	
	D	
	C	
	B	
	A	04
	GND	

DIM A	PIN CODES
5.00	*01
5.75	02
6.50	03
7.25	04
8.00	*19

* CURRENTLY NOT AVAILABLE

spec ref		dr	P-Mathew Nebu	2011/05/20	projection 	MM 	size	A4	scale	1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Narayanan, Aru			2021/01/15	ecn no	ELX-I-39662-1	
			chr	-			-	rel level	Released	
surface ISO 1302	linear	0.X	±0.3		Amphenol FCi	title	VERTICAL SIGNAL HDR. 5 ROW		rev	M
		0.XX	±0.13				dwg no	59569		
		0.XXX	±0.050							
	angular	0°	±2°		cat. no.	Product - Customer Drw		sheet 4 of 4		