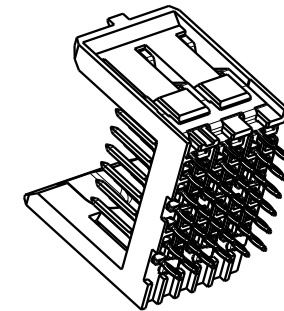
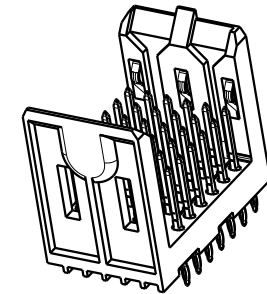
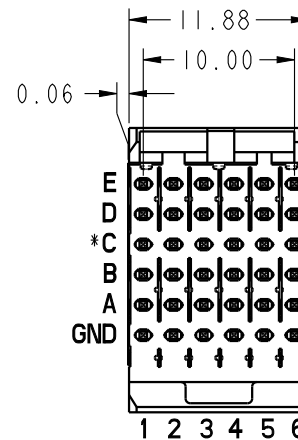
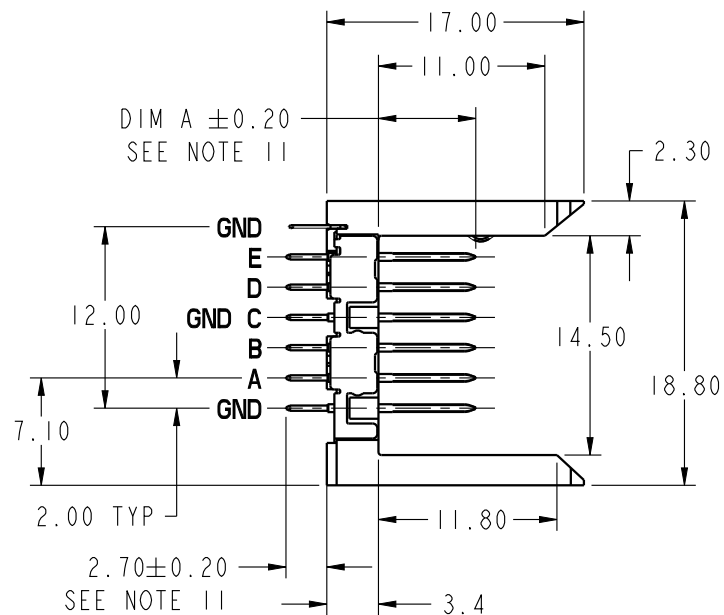


PRODUCT  
NUMBER

59569-X01ZZZLF

**\*ROW C INFORMATION**

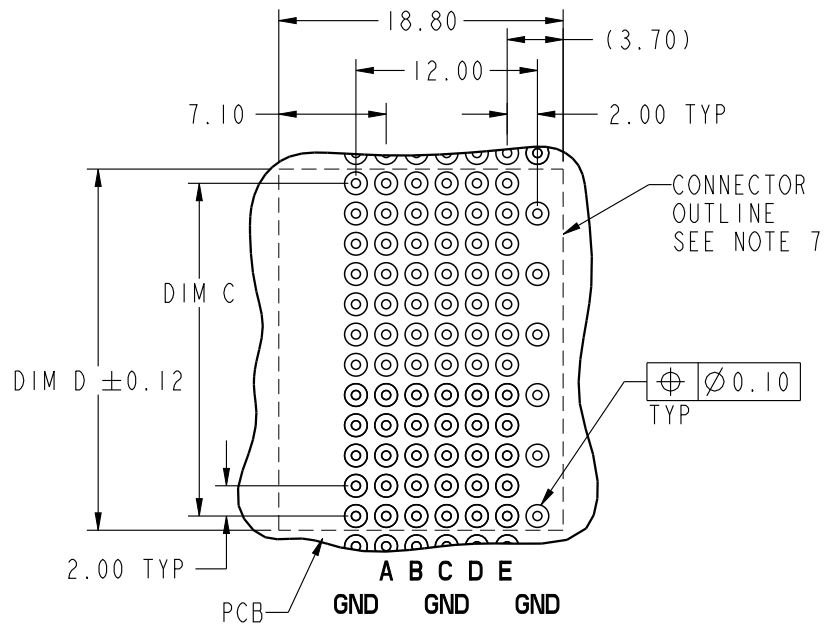
ODD NUMBER COLUMNS WITHIN ROW C ARE COMMONED TO GROUND INTERNALLY WITHIN THE HOUSING. THE EVEN NUMBER COLUMNS WITHIN ROW C ARE NOT. FOR MAXIMUM PERFORMANCE IT IS RECOMMENDED THESE EVEN COLUMNS BE GROUND COMMONED WITHIN PCB. SEE NOTE 10

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

Crea File:ELX-MC-AAC,REV F,2020-12-21

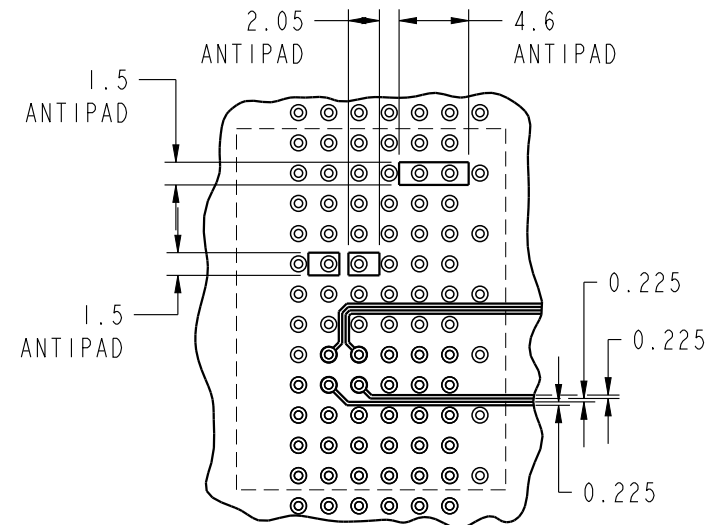
PRODUCT NUMBER

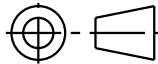

SEE SHEET 1

**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	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Narayanan, Aru	2021/01/15			ecn no	ELX-I-39662-1		
			chr	-	-			rel level	Released		
		appr	Kuriakose, San	2021/01/16	product family						
surface ISO 1302	linear	0.X	±0.3	Amphenol FCI	title	VERTICAL SIGNAL HDR. 5 ROW P.F. 30 POS. SPECIAL LOAD EXT.		dwg no	59569		rev M
		0.XX	±0.13								
		0.XXX	±0.050								
	angular	0°	±2°		cat. no.	Product - Customer Drw			sheet 2 of 4		



Crea File: ELX-MC-AAC, REV F, 2020-12-21

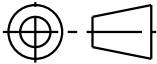
## NOTES:

- 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.
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5, 1994.
- MATERIAL : BODY : THERMOPLASTIC UL94-V0.  
: CONTACT : COPPER ALLOY. 
- FOR PLATING PERFORMANCE REFER DRAWING # 10159408. 
- 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
- THE MIN PCB THICKNESS FOR FRONT PLUG-UP APPLICATIONS IS 1.6mm.
- 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



- AVOID TRACES ON TOP OF BOARD DUE TO EXPOSED GROUND SHIELD.
- 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.
- AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
- THE PRODUCTS MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004. 
- ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- 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	eng	Narayanan, Aru	2021/01/15			ecn no	ELX-I-39662-1		
ISO 406	chr	-	-			rel level	Released		
ISO 1101	appr	Kuriakose, San	2021/01/16	product family					
surface	linear	0.X	±0.3	<b>Amphenol FCI</b> title VERTICAL SIGNAL HDR. 5 ROW P.F. 30 POS. SPECIAL LOAD EXT.		dwg no 59569 rev M		sheet 3 of 4	
		0.XX	±0.13						
		0.XXX	±0.050						
ISO 1302	angular	0°	±2°	cat. no.	Product - Customer Drw				

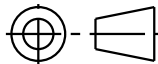
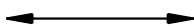
Crea File:ELX-MC-AAC,REV F,2020-12-21

## SPECIAL LOAD PATTERNS

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

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			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	
				appr	Kuriakose, San			2021/01/16	product family					
surface ISO 1302	linear	0.X	±0.3	Amphenol FCI	title	VERTICAL SIGNAL HDR. 5 ROW				dwg no	59569		rev	M
		0.XX	±0.13											
		0.XXX	±0.050											
	angular	0°	±2°		cat. no.	Product - Customer Drw				sheet 4 of 4				