

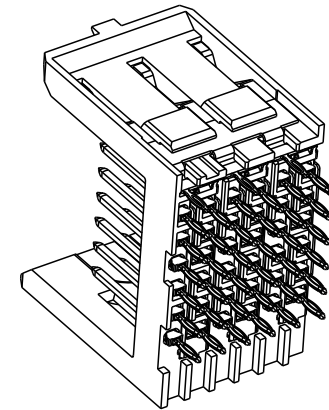
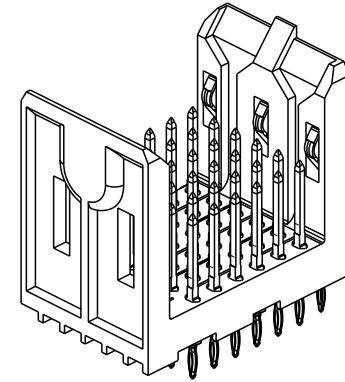
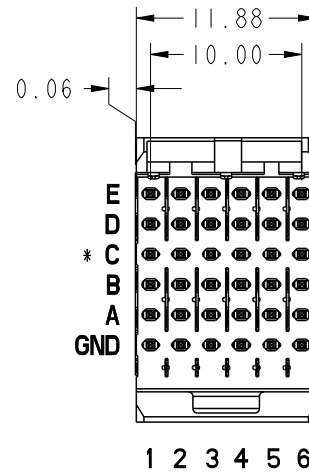
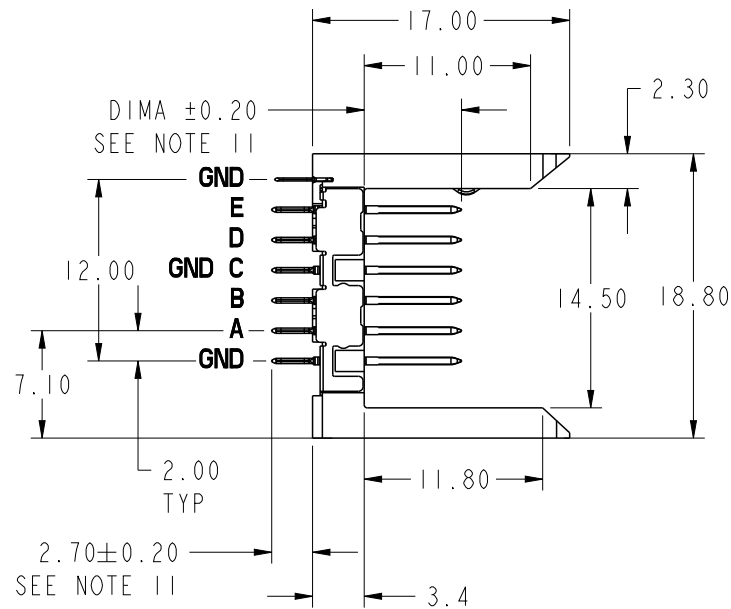
PRODUCT
NUMBER

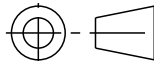
59567-XXXXLF

***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 	MM 	size	A4	scale	2:1						
tolerance std		eng		Narayanan, Aru	2021/01/15			ecn no	ELX-I-39643-1								
ISO 406 ISO 1101		chr		-	-			rel level					Released				
		appr		Kuriakose, San	2021/01/16			product family		METRAL 4000							
surface ISO 1302 ✓	linear	0.X	±0.3	Amphenol FCI	title				VERTICAL SIGNAL HDR 5 ROW				dwg no	59567		rev	L
		0.XX	±0.13														
		0.XXX	±0.050		P.F. 30 POS. SELECT LOAD EXT.												
	angular	0°	±2°	amphenol-icc.com	cat. no.			Product - Customer Drw				sheet 1 of 4					

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

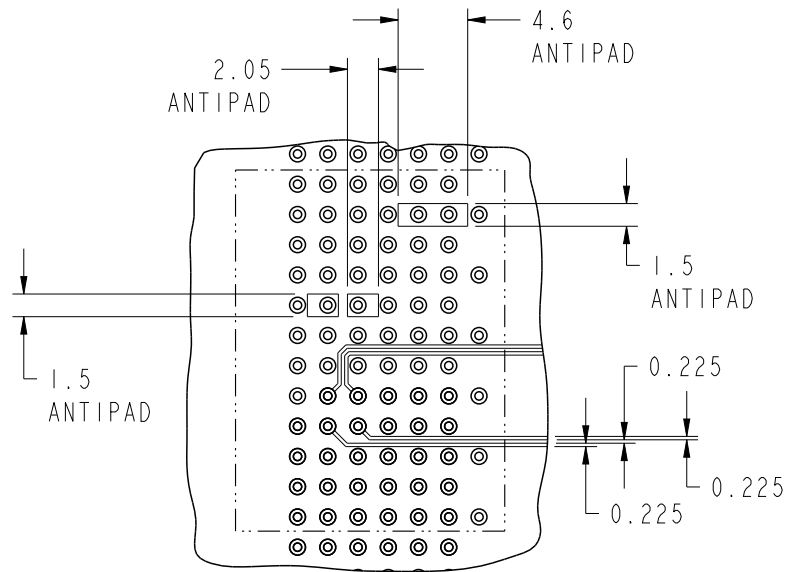
Amphenol
FCI

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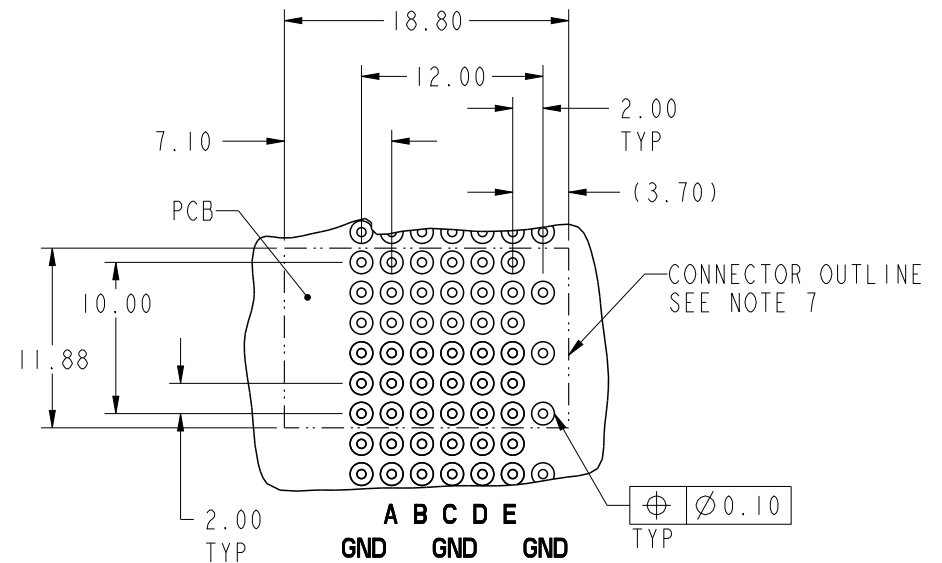
PDS: Rev :L

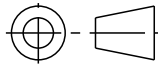
STATUS:Released

Printed: Jan 16, 2021



RECOMMENDED TRACK AND ANTIPAD DIMENSIONS

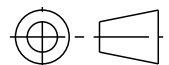
RECOMMENDED PCB HOLE PATTERN
COMPONENT SIDE
SEE NOTE 9
FOR PTH DETAILS REFER DRAWING 58351

spec ref		dr		P-Mathew Nebu	2011/05/20			size	A4	scale	2:1			
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Narayanan, Aru			2021/01/15	ecn no				ELX-I-39643-1	
				chr	-			-	rel level				Released	
				appr	Kuriakose, San			2021/01/16	product family		METRAL 4000			
surface ISO 1302		linear	0.X	±0.3		title	VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD EXT.			dwg no	59567		rev	L
			0.XX	±0.13										
			0.XXX	±0.050										
		angular	0°	±2°	amphenol-icc.com	cat. no.	Product - Customer Drw				sheet 2 of 4			

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.
- P/N 59567-XXXXLF

LEAD FREE 
SELECT LOAD PATTERN
PLATING CODE
- 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 VIEW, NOTE, OR DIMENSION WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref	dr	P-Mathew Nebu	2011/05/20	projection	MM	size	A4	scale	2:1
tolerance std	eng	Narayanan, Aru	2021/01/15			ecn no	ELX-I-39643-1		
ISO 406	chr	-	-			rel level	Released		
ISO 1101	appr	Kuriakose, San	2021/01/16	product family			rev		
surface	linear	0.X	±0.3			dwg no	59567		
		0.XX	±0.13						
		0.XXX	±0.050						
ISO 1302	angular	0°	±2°						
		Amphenol FCI	title	VERTICAL SIGNAL HDR 5 ROW					
		amphenol-icc.com	cat. no.						
				Product - Customer Drw					
								sheet 3 of 4	

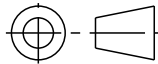
SELECT LOAD PATTERNS							
PRODUCT #	ROW	COLUMN					
		1	2	3	4	5	6
59567-X002LF	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	02	02	02	02	02	02
	B	02	02	02	02	02	02
	A	02	02	02	02	02	02
	GND	-	02	-	02	-	02

PRODUCT #	ROW	COLUMN					
		1	2	3	4	5	6
59567-X003LF	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	03	03	03	03	03	03
	B	02	02	02	02	02	02
	A	03	03	02	02	02	02
	GND	02	02	02	02	02	02

PRODUCT #	ROW	COLUMN					
		1	2	3	4	5	6
59567-X004LF	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	02	02	02	02	02	02
	B	02	02	02	02	02	02
	A	03	02	02	02	02	02
	GND	02	02	02	02	02	02

PRODUCT #	ROW	COLUMN					
		1	2	3	4	5	6
59567-X005LF	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	03	03	03	03	03	03
	B	02	02	02	02	02	02
	A	03	02	02	02	02	02
	GND	02	02	02	02	02	02

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

spec ref		dr		P-Mathew Nebu	2011/05/20			size	A4	scale	2:1	
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Narayanan, Aru			2021/01/15	ecn no ELX-I-39643-1			
				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. SELECT LOAD EXT.				dwg no	59567		rev L
		0.XX	±0.13									
		0.XXX	±0.050									
	angular	0°	±2°	amphenol-icc.com	cat. no.		Product - Customer Drw			sheet 4 of 4		