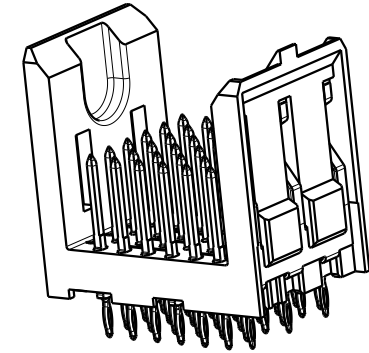
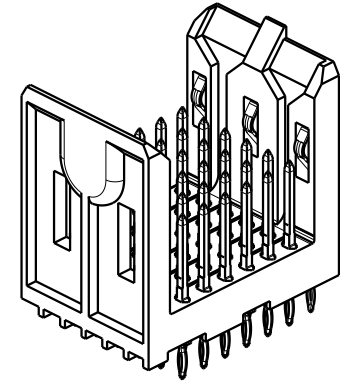
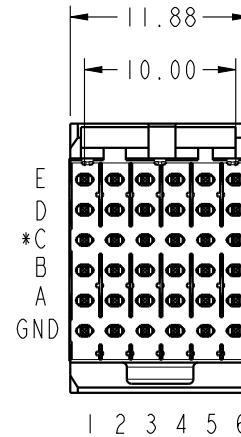
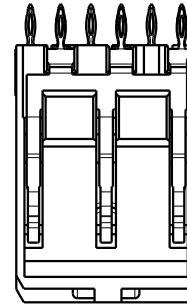
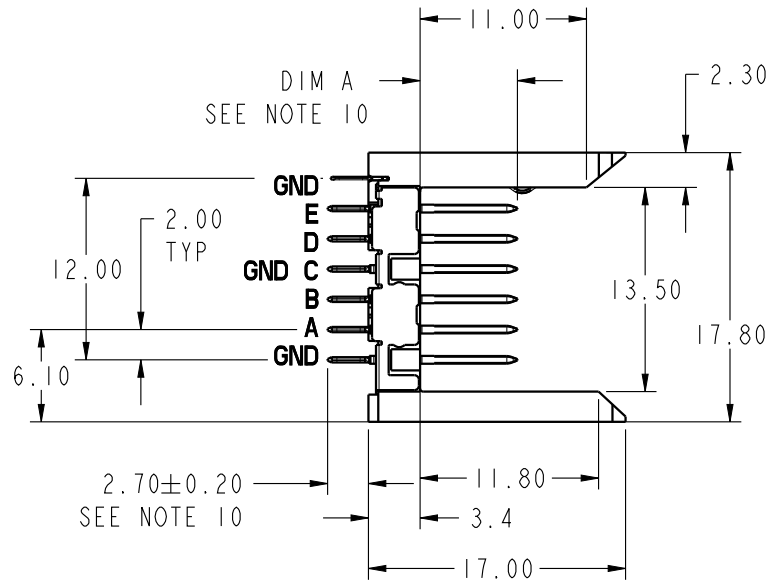


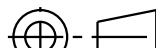

PRODUCT
NUMBER

59566-XXXX(L)LF

L REFER LUBRICATED (OPTIONAL)
SEE NOTE 4X REFER PLATING PERFORMANCE
SEE NOTE 4

* ROW C INFORMATION

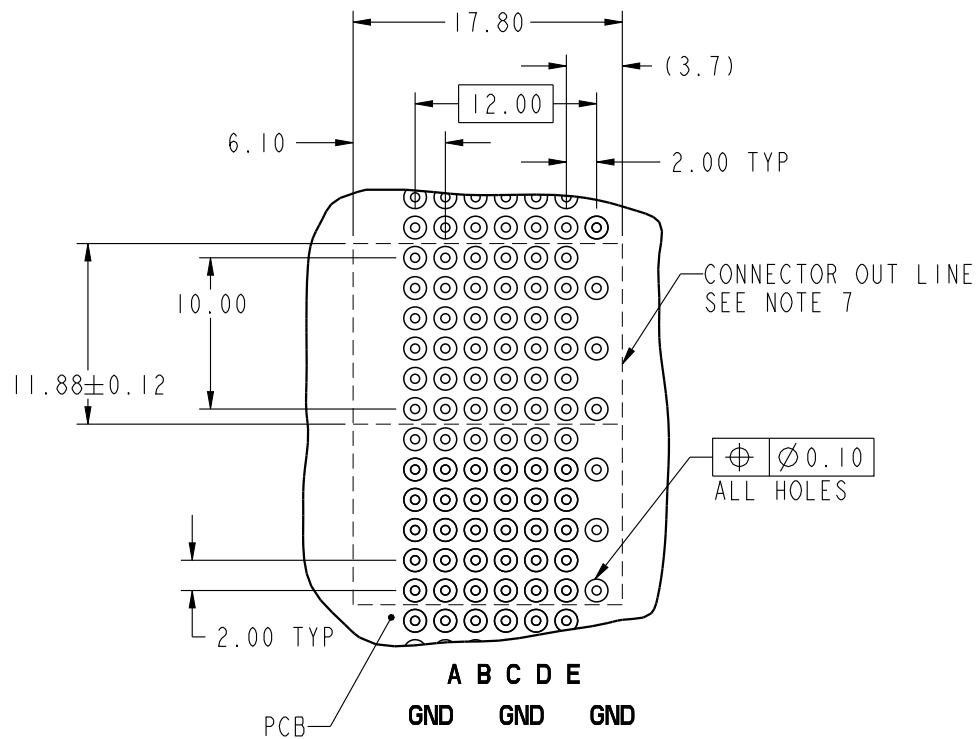
ODD NUMBER COLUMNS WITHIN ROW C ARE COMMONED TO GROUND INTERNALLY WITHIN THE HOUSING. THE EVEN NUMBER COLUMNS WITHIN ROW C ARE NOT. FOR MAXIMUM PERFORMANCE IT IS RECOMMENDED THESE EVEN COLUMNS BE COMMONED TO GROUND WITHIN THE PCB, SEE NOTE 9

spec ref		dr		P-Mathew Nebu	2011/05/20	projection 	MM 	size	A4	scale	2:1						
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M			2021/06/15	ecn no				ELX-I-41189-1				
				chr	-			-	rel level				Released				
		appr		Kuriakose, San	2021/08/13	product family			METRAL 4000								
surface ISO 1302	linear	0.X	±0.3	Amphenol FCi	title				VERTICAL SIGNAL HDR 5 ROW				dwg no	59566		rev	P
		0.XX	±0.13														
		0.XXX	±0.050														
		angular	0°	±2°	amphenol-icc.com	cat. no.			Product - Customer Drw				sheet 1 of 4				

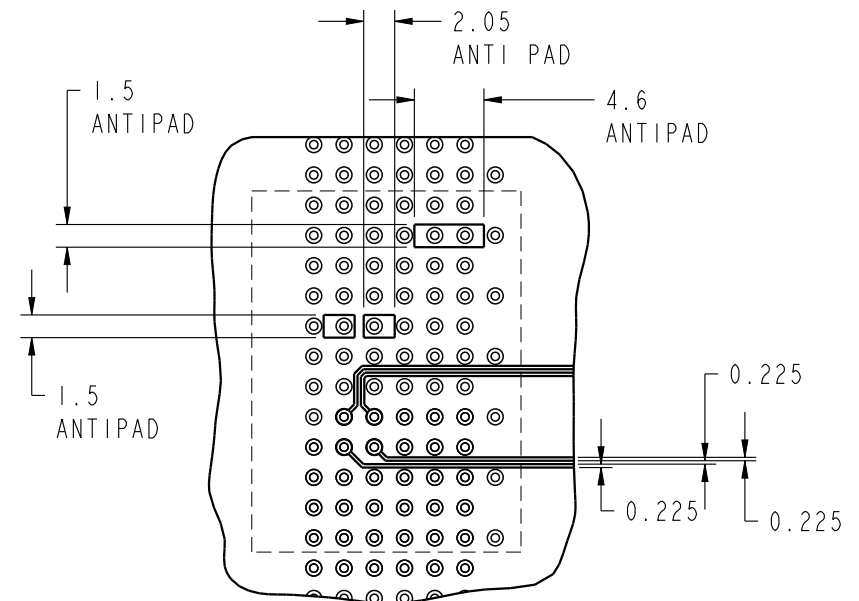
Crea File:ELX-MC-AAC,REV F,2020-12-21

PRODUCT NUMBER

SEE SHEET 1



RECOMMENDED PCB HOLE PATTERN
(COMPONENT SIDE)
(SEE NOTE 8)
FOR PTH DETAILS REFER DRAWING 58351



RECOMMENDED TRACK
AND
ANTIPAD DIMENSIONS





spec ref				dr	P-Mathew Nebu	2011/05/20	<div>projection</div>	<div>MM</div>	size	A4	scale	2:1			
tolerance std <div>ISO 406</div> <div>ISO 1101</div>	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M	2021/06/15			ecn no	ELX-I-41189-1					
				chr	-	-									
									appr	Kuriakose, San	2021/08/13	product family		METRAL 4000	
surface <div>ISO 1302</div> <div>✓</div>	linear	0.X	±0.3	Amphenol FCi	title				VERTICAL SIGNAL HDR 5 ROW		dwg no	59566		rev	P
		0.XX	±0.13												
		0.XXX	±0.050		P.F. 30 POS. SELECT LOAD STD.										
				amphenol-icc.com	cat. no.			Product - Customer Drw				sheet 2 of 4			

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

PRODUCT NUMBER

SEE SHEET 1

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
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. AVOID TRACES ON TOP OF BOARD DUE TO EXPOSED GROUND SHIELD.
9. 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.
10. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
11. THE PRODUCTS MEET THE EUROPEAN DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004. 
12. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
13. 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	<div>projection</div>	<div>MM</div>	size	A4	scale	2:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M			2021/06/15	ecn no			ELX-I-41189-1		
				chr	-			-	rel level			Released		
ISO 406 ISO 1101		appr		Kuriakose, San	2021/08/13	product family		METRAL 4000						
surface	<div>✓</div>	linear	0.X	±0.3	<div>Amphenol FCI</div>	title	VERTICAL SIGNAL HDR 5 ROW				dwg no	59566	rev	P
			0.XX	±0.13										
			0.XXX	±0.050										
ISO 1302		angular	0°	±2°	amphenol-icc.com	cat. no.	Product - Customer Drw				sheet 3 of 4			

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

SELECT LOAD PATTERNS							
METRAL P/N	ROW	PIN CODE					
		1	2	3	4	5	6
59566-X001LF	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	04	02	04	02	04	03
	B	02	02	02	02	02	02
	A	02	02	02	02	02	02
	GND	02	02	02	02	02	02

METRAL P/N	ROW	PIN CODE					
		1	2	3	4	5	6
59566-X002LF	E	03	03	03	03	03	03
	D	02	03	03	03	03	02
	C	04	04	04	04	04	04
	B	03	03	03	03	03	03
	A	03	03	03	03	03	03
	GND	02	02	02	02	02	02

METRAL P/N	ROW	PIN CODE					
		1	2	3	4	5	6
59566-X003LF	E	04	02	02	02	02	02
	D	04	02	02	02	02	02
	C	04	02	02	02	02	02
	B	04	02	02	02	02	02
	A	04	02	02	02	02	02
	GND	-	-	-	-	-	-

METRAL P/N	ROW	PIN CODE					
		1	2	3	4	5	6
59566-X004LF	E	04	02	02	02	02	02
	D	04	02	02	02	02	02
	C	04	02	02	02	02	02
	B	04	02	02	02	02	02
	A	04	02	02	02	02	02
	GND	02	02	02	02	02	02

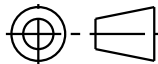

METRAL P/N	ROW	PIN CODE					
		1	2	3	4	5	6
59566-X005LF	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	02	02	02	02	02	02
	B	02	02	02	02	02	02
	A	02	02	02	02	02	02
	GND	-	02	02	02	02	-

METRAL P/N	ROW	PIN CODE					
		1	2	3	4	5	6
59566-X006LF	E	03	02	02	02	02	02
	D	03	02	02	02	02	02
	C	03	02	02	02	02	02
	B	03	02	02	02	02	02
	A	03	02	02	02	02	02
	GND	-	02	02	02	02	-

SELECT LOAD PATTERNS							
METRAL P/N	ROW	PIN CODE					
		1	2	3	4	5	6
59566-X007LF	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	04	02	02	02	02	02
	B	02	02	02	02	02	02
	A	02	02	02	02	02	02
	GND	-	02	02	02	02	-

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

* CURRENTLY NOT AVAILABLE

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 <div>ISO 406</div> <div>ISO 1101</div>	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M		2021/06/15	ecn no ELX-I-41189-1		
				chr	-		-			
				appr	Kuriakose, San		2021/08/13	product family		
surface <div>✓</div> <div>ISO 1302</div>	linear	0.X	±0.3	Amphenol FCi	title VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD STD.				dwg no 59566	rev P
		0.XX	±0.13							
		0.XXX	±0.050							
	angular	0°	±2°	amphenol-icc.com	cat. no.		Product - Customer Drw			sheet 4 of 4