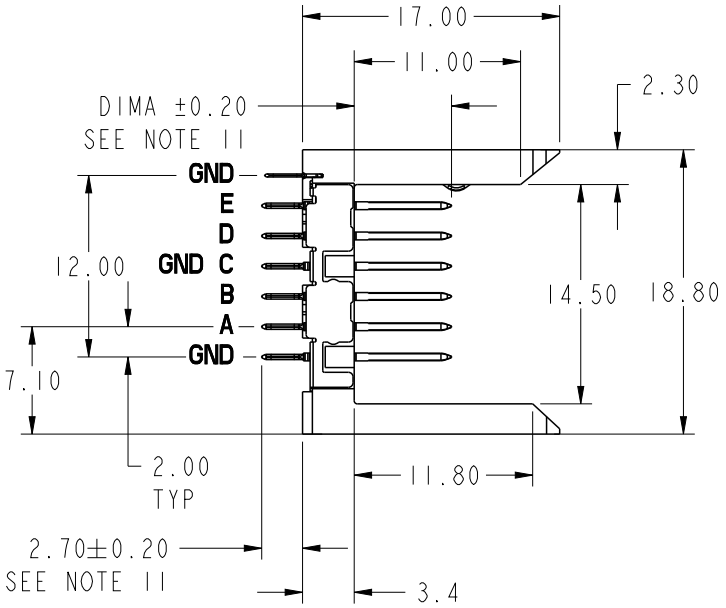
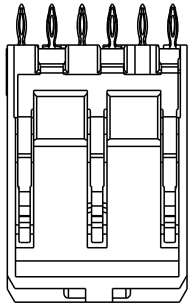
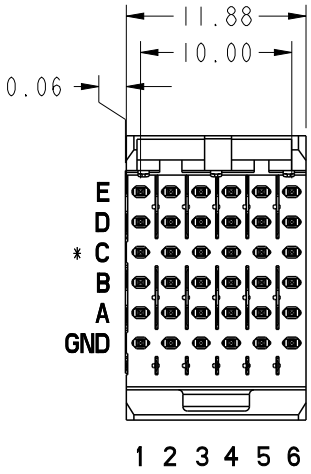
PRODUCT NUMBER
59567-XYYYLF

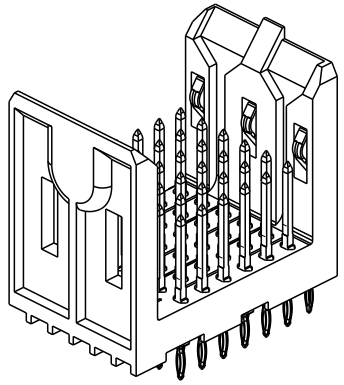
*ROW C INFORMATION

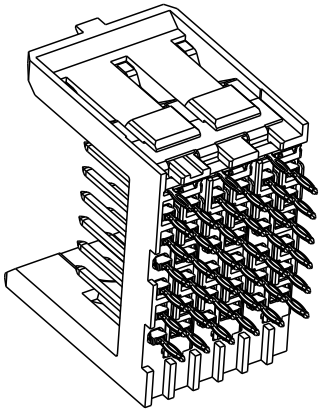
ODD NUMBER COLUMNS WITHIN ROW C ARE COMMONED TO GROUND INTERNALLY WITHIN THE HOUSING. THE EVEN NUMBER COLUMNS WITHIN ROW C ARE NOT. FOR MAXIMUM PERFORMANCE IT IS RECOMMENDED THESE EVEN COLUMNS BE GROUND COMMONED WITHIN PCB. SEE NOTE 10











spec ref				dr	P-Mathew Nebu	2011/05/20	projection
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Narayanan, Aru	2021/01/15	MM
				chr	-	-	size A4 / scale 2:1
				appr	Kuriakose, San	2021/01/16	ecn no ELX-I-39643-1
surface ISO 1302	linear	0.X	±0.3	product family	METRAL 4000		rel level Released
		0.XX	±0.13				
		0.XXX	±0.050				
	angular	0°	±2°				

Amphenol FCi

title: VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD EXT.

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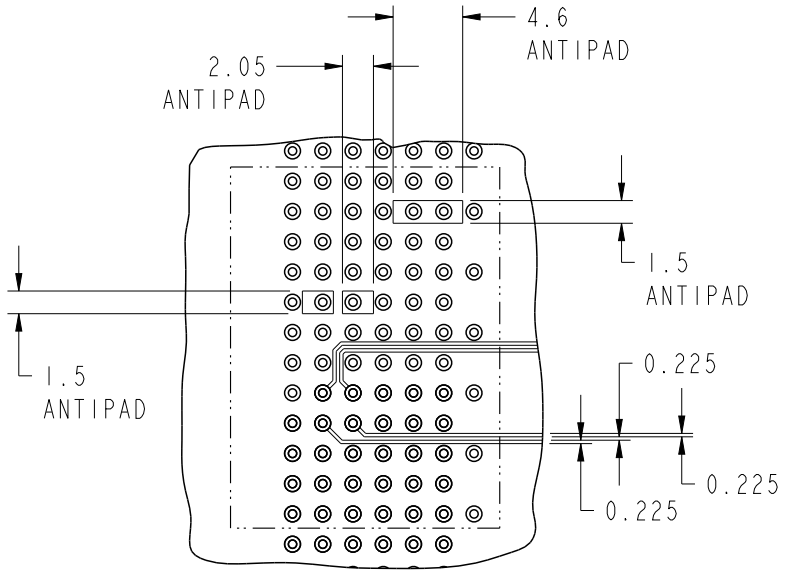
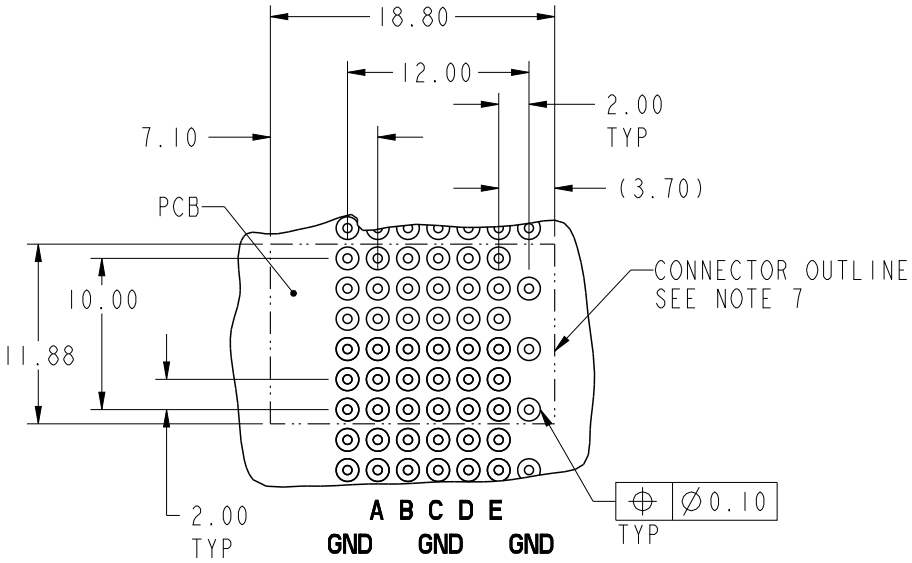


RECOMMENDED TRACK AND ANTIPAD DIMENSIONS



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

spec ref				dr	P-Mathew Nebu	2011/05/20	projection
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Narayanan, Aru	2021/01/15	MM
ISO 406 ISO 1101				chr	-	-	size A4 / scale 2:1
				appr	Kuriakose, San	2021/01/16	ecn no ELX-I-39643-1
surface	linear	0.X	±0.3				product family METRAL 4000 / rel level Released
		0.XX	±0.13				
ISO 1302		0.XXX	±0.050				
	angular	0°	±2°				

Amphenol FCi

title: VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD EXT.

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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. △L
   : CONTACT : COPPER ALLOY.

4. FOR PLATING PERFORMANCE REFER DRAWING # 10159408. △L

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 59567-XYYYLF
   - LF — LEAD FREE △L
   - YYY — SELECT LOAD PATTERN
   - X — PLATING CODE

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. △L

13. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

14. A △L 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
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Narayanan, Aru	2021/01/15	MM
				chr	-	-	size A4 / scale 2:1
				appr	Kuriakose, San	2021/01/16	ecn no ELX-I-39643-1
surface ISO 1302	linear	0.X	±0.3	Amphenol FCi	title: VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD EXT.		product family / rel level Released
		0.XX	±0.13			dwg no 59567	rev L
		0.XXX	±0.050				
	angular	0°	±2°	amphenol-icc.com	cat. no.	Product - Customer Drw	sheet 3 of 4

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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	projection
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Narayanan, Aru	2021/01/15	MM
			chr	-	-	size A4 / scale 2:1
			appr	Kuriakose, San	2021/01/16	ecn no ELX-I-39643-1
surface ISO 1302	linear	0.X ±0.3	product family			rel level Released
		0.XX ±0.13				
		0.XXX ±0.050				
	angular	0° ±2°				

Amphenol FCi

title: VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD EXT.

dwg no: 59567

rev: L

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