

spec ref		dr <b>Narayanan, Aru</b>		2020/11/24		projection		size A4		scale 2:1	
tolerance std		eng <b>Kartha, Aravin</b>		2021/06/24				MM		ecn no <b>ELX-I-41331-1</b>	
ISO 406 ISO 1101		chr -		-						rel level <b>Released</b>	
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr <b>Kuriakose, San</b>		2021/08/26		product family METRAL		rev		AA	
surface		linear		0.X ±0.3		<b>Amphenol FCI</b> VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.		dwg no 98030		sheet 1 of 6	
ISO 1302		0.XX ±0.13		cat. no.				Product - Customer Drw			
		0.XXX ±0.050									
angular		0° ±°									

Creo F114:ELX-NC-AAC,REV F,2020-12-21

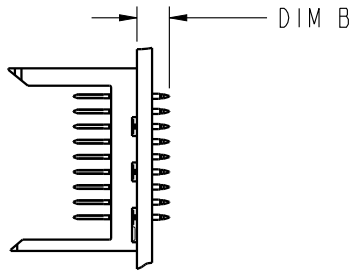
PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH	
			ROWS A,B,C,D,E,F,G, & H	
01*	5.00	4.30	1.60 MIN	
22		12.20	2.95 - 3.80	
30		12.95	2.95 - 4.55	
05		13.70	2.95 - 5.30	
35		14.45	3.05 - 6.05	
48		15.20	3.80 - 6.80	
40		15.70	4.30 - 7.30	
65		16.40	5.00 - 8.00	
09		17.10	5.70 - 8.70	
02*		5.75	4.30	1.60 MIN
44	12.20		2.95 - 3.80	
31	12.95		2.95 - 4.55	
06	13.70		2.95 - 5.30	
36	14.45		3.05 - 6.05	
49	15.20		3.80 - 6.80	
25	15.70		4.30 - 7.30	
66	16.40		5.00 - 8.00	
10	17.10		5.70 - 8.70	
03*	6.50		4.30	1.60 MIN
45		12.20	2.95 - 3.80	
32		12.95	2.95 - 4.55	
07		13.70	2.95 - 5.30	
37		14.45	3.05 - 6.05	
50		15.20	3.80 - 6.80	
41		15.70	4.30 - 7.30	
24		16.40	5.00 - 8.00	
11		17.10	5.70 - 8.70	

PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN LENGTH	
			ROWS A,B,C,D,E,F,G & H	
04*	7.25	4.30	1.60 MIN	
46		12.20	2.95 - 3.80	
33		12.95	2.95 - 4.55	
08		13.70	2.95 - 5.30	
38		14.45	3.05 - 6.05	
51		15.20	3.80 - 6.80	
42		15.70	4.30 - 7.30	
67		16.40	5.00 - 8.00	
12		17.10	5.70 - 8.70	
19*		8.00	4.30	1.60 MIN
47	12.20		2.95 - 3.80	
34	12.95		2.95 - 4.55	
20	13.70		2.95 - 5.30	
39	14.45		3.05 - 6.05	
52	15.20		3.80 - 6.80	
43	15.70		4.30 - 7.30	
68	16.40		5.00 - 8.00	
21	17.10		5.70 - 8.70	

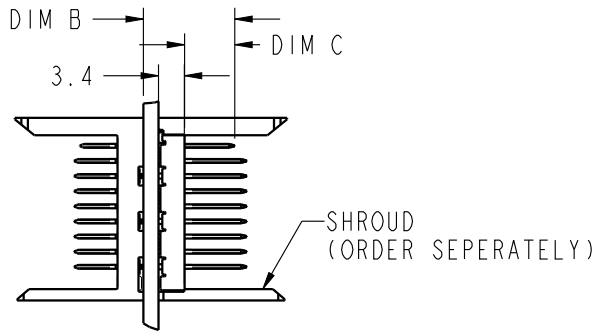
\* STUB PINS - NO REAR PLUG-UP

spec ref		dr	Narayanan, Aru	2020/11/24	projection 	MM 	size	A4	scale	2:1		
tolerance std		eng	Kartha, Aravin	2021/06/24			ecn no	ELX-I-41331-1				
ISO 406 ISO 1101		chr	-	-			rel level	Released				
surface		appr	Kuriakose, San	2021/08/26	product family		METRAL					
ISO 1302	linear	0.X	±0.3		Amphenol FCI	title	VERTICAL SIGNAL HDR 8 ROW		dwg no	98030	rev	AA
		0.XX	±0.13									
		0.XXX	±0.050									
	angular	0°	±°		cat. no.	Product - Customer Drw		sheet 2 of 6				

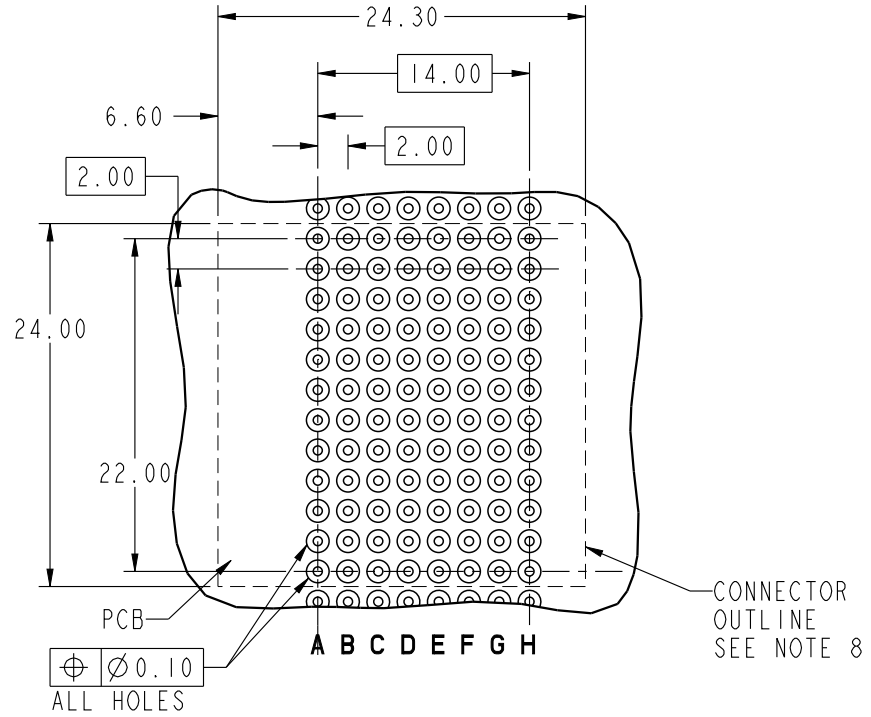
PRODUCT NUMBER  
SEE SHEET 1



STUB MOUNT



REAR PLUG-UP



RECOMMENDED PCB HOLE PATTERN  
(COMPONENT SIDE)

SEE PRINT 58351 FOR  
ADDITIONAL PCB INFORMATION

spec ref		dr Narayanan, Aru		2020/11/24		projection		size A4		scale 1:1	
tolerance std		eng Kartha, Aravin		2021/06/24						ecn no ELX-I-41331-1	
ISO 406 ISO 1101		chr -		-							
surface		appr Kuriakose, San		2021/08/26		product family		rev		AA	
TOLERANCES UNLESS OTHERWISE SPECIFIED ✓		linear		0.X		±0.3		title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.		dwg no 98030	
				0.XX		±0.13					
				0.XXX		±0.050					
ISO 1302		angular		0°		±°		Product - Customer Drw		sheet 3 of 6	

Creo F-114:ELX-FCI:AC,REV F,2020-12-21

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X001LF	H	03	03	03	03	03	03	03	03	03	03	03	-
	G	04	04	04	04	04	04	04	04	04	04	04	04
	F	04	04	04	04	04	04	04	04	04	04	04	04
	E	19	19	19	19	19	19	19	19	19	19	19	19
	D	19	19	19	19	19	19	19	19	19	19	19	19
	C	04	04	04	04	04	04	04	04	04	04	04	04
	B	03	03	03	03	03	03	03	03	03	03	03	03
	A	03	03	03	03	03	03	03	03	03	03	03	03
GND	-	-	-	-	-	-	-	-	-	-	-	-	

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X005LF	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	02	02	02	02	02	02	02	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	01	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
GND	-	-	-	-	-	-	-	-	-	-	-	-	

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X009LF	H	01	03	03	03	03	03	03	03	03	03	03	03
	G	01	03	03	03	03	03	03	03	03	03	03	03
	F	01	03	03	03	03	03	03	03	03	03	03	03
	E	01	03	03	03	03	03	03	03	03	03	03	03
	D	01	03	03	03	03	03	03	03	03	03	03	03
	C	01	03	03	03	03	03	03	03	03	03	03	03
	B	01	03	03	03	03	03	03	03	03	03	03	03
	A	01	03	03	03	03	03	03	03	03	03	03	03
GND	-	-	-	-	-	-	-	-	-	-	-	-	

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X002LF	H	04	04	04	04	04	-	04	-	04	04	-	-
	G	03	03	03	03	03	-	03	-	03	03	-	-
	F	03	03	03	03	03	-	03	-	03	03	-	-
	E	02	02	02	02	02	-	02	-	02	02	-	-
	D	02	02	02	02	02	-	02	-	02	02	-	-
	C	03	03	03	03	03	-	03	-	03	03	-	-
	B	04	04	04	04	04	-	04	-	04	04	-	-
	A	04	04	04	04	04	-	04	-	04	04	-	-
GND	-	-	-	-	-	-	-	-	-	-	-	-	

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X006LF	H	03	03	03	03	04	04	04	02	02	02	02	02
	G	03	03	03	03	04	04	04	02	02	02	02	02
	F	03	03	03	03	04	04	04	02	02	02	02	02
	E	03	03	03	03	04	04	04	02	02	01	02	02
	D	03	03	03	03	04	04	04	02	02	02	02	02
	C	03	03	03	03	04	04	04	02	02	02	02	02
	B	03	03	03	03	04	04	04	02	02	02	02	02
	A	03	03	03	03	04	04	04	02	02	02	02	02
GND	-	-	-	-	-	-	-	-	-	-	-	-	

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X010LF	H	03	03	03	03	03	03	03	03	03	03	03	01
	G	03	03	03	03	03	03	03	03	03	03	03	01
	F	03	03	03	03	03	03	03	03	03	03	03	01
	E	03	03	03	03	03	03	03	03	03	03	03	01
	D	03	03	03	03	03	03	03	03	03	03	03	01
	C	03	03	03	03	03	03	03	03	03	03	03	01
	B	03	03	03	03	03	03	03	03	03	03	03	01
	A	03	03	03	03	03	03	03	03	03	03	03	01
GND	-	-	-	-	-	-	-	-	-	-	-	-	

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X003LF	H	04	04	-	-	04	04	04	04	04	04	04	04
	G	03	03	-	-	03	03	03	03	03	03	03	03
	F	03	03	-	-	03	03	03	03	03	03	03	03
	E	02	02	-	-	02	02	02	02	02	02	02	02
	D	02	02	-	-	02	02	02	02	02	02	02	02
	C	03	03	-	-	03	03	03	03	03	03	03	03
	B	04	04	-	-	04	04	04	04	04	04	04	04
	A	04	04	-	-	04	04	04	04	04	04	04	04
GND	-	-	-	-	-	-	-	-	-	-	-	-	

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X007LF *RPU	H	07	07	07	07	08	08	08	06	06	06	06	06
	G	07	07	07	07	08	08	08	06	06	06	06	06
	F	07	07	07	07	08	08	08	06	06	06	06	06
	E	07	07	07	07	08	08	08	06	06	06	06	06
	D	07	07	07	07	08	08	08	06	06	06	06	06
	C	07	07	07	07	08	08	08	06	06	06	06	06
	B	07	07	07	07	08	08	08	06	06	06	06	06
	A	07	07	07	07	08	08	08	06	06	06	06	06
GND	-	-	-	-	-	-	-	-	-	-	-	-	

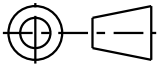

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X011LF *	H	30	37	37	37	37	37	37	37	37	37	37	37
	G	37	37	37	37	37	37	37	37	37	37	37	37
	F	37	37	37	37	37	37	37	37	37	37	37	37
	E	51	37	37	37	37	37	37	37	37	37	37	37
	D	51	37	37	37	37	37	37	37	37	37	37	37
	C	37	37	37	37	37	37	37	37	37	37	37	37
	B	37	37	37	37	37	37	37	37	37	37	37	37
	A	30	37	37	37	37	37	37	37	37	37	37	37
GND	-	-	-	-	-	-	-	-	-	-	-	-	

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X004LF	H	-	01	01	-	01	01	-	01	01	-	01	01
	G	-	01	01	-	01	01	-	01	01	-	01	01
	F	-	01	01	-	01	01	-	01	01	-	01	01
	E	-	01	01	-	01	01	-	01	01	-	01	01
	D	-	01	01	-	01	01	-	01	01	-	01	01
	C	-	01	01	-	01	01	-	01	01	-	01	01
	B	-	01	01	-	01	01	-	01	01	-	01	01
	A	-	01	01	-	01	01	-	01	01	-	01	01
GND	-	-	-	-	-	-	-	-	-	-	-	-	

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X008LF	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	02	02	02	02	02	02	02	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	01	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
GND	-	-	-	-	-	-	-	-	-	-	-	-	

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X012LF	H	-	02	-	02	-	02	-	02	-	02	-	02
	G	02	-	02	-	02	-	02	-	02	-	02	-
	F	-	02	-	02	-	02	-	02	-	02	-	02
	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	-	-	-	-	-	-	-	-	-	-	-	-	

\* REAR PLUG-UP PART NUMBER

spec ref	dr	Narayanan, Aru	2020/11/24	projection 	MM 	size	A4	scale	1:1
tolerance std	eng	Kartha, Aravin							

CONTACT CODE													
METRAL P/N	ROW	1	2	3	4	5	6	7	8	9	10	11	12
98030-X013LF	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	04	04	02	02	02	02	02	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
GND	-	-	-	-	-	-	-	-	-	-	-	-	-

CONTACT CODE															
METRAL P/N	ROW	1	2	3	4	5	6	7	8	9	10	11	12		
98030-X017LF	H	02	02	02	02	02	02	02	02	02	02	01	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02	02	
	F	04	04	02	02	02	02	02	02	02	02	02	02	02	
	E	02	02	02	02	02	02	02	02	02	02	02	02	02	
	D	02	02	02	02	02	02	02	02	02	02	02	02	02	
	C	02	02	02	02	02	02	02	02	02	02	02	02	02	
	B	02	02	02	02	02	02	02	02	02	02	02	02	02	
	A	02	02	02	02	02	02	02	02	02	02	02	02	02	
GND	-	-	-	-	-	-	-	-	-	-	-	-	-		

CONTACT CODE													
METRAL P/N	ROW	1	2	3	4	5	6	7	8	9	10	11	12
98030-X014LF	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	04	04	02	02	02	02	01	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
GND	-	-	-	-	-	-	-	-	-	-	-	-	-

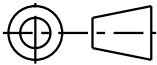

  

CONTACT CODE													
METRAL P/N	ROW	1	2	3	4	5	6	7	8	9	10	11	12
98030-X015LF *	H	-	55	-	55	-	55	-	55	-	55	-	55
	G	55	-	55	-	55	-	55	-	55	-	55	-
	F	-	55	-	55	-	55	-	55	-	55	-	55
	E	55	-	55	-	55	-	55	-	55	-	55	-
	D	-	55	-	55	-	55	-	55	-	55	-	55
	C	55	-	55	-	55	-	55	-	55	-	55	-
	B	-	55	-	55	-	55	-	55	-	55	-	55
	A	55	-	55	-	55	-	55	-	55	-	55	-
GND	-	-	-	-	-	-	-	-	-	-	-	-	-

CONTACT CODE													
METRAL P/N	ROW	1	2	3	4	5	6	7	8	9	10	11	12
98030-X016LF *	H	55	55	55	55	55	55	55	55	55	55	55	55
	G	55	55	55	55	55	55	55	55	55	55	55	55
	F	57	57	55	55	55	55	55	55	55	55	55	55
	E	55	55	55	55	55	55	55	55	55	55	55	55
	D	55	55	55	55	55	55	55	55	55	55	55	55
	C	55	55	55	55	55	55	55	55	55	55	55	55
	B	55	55	55	55	55	55	55	55	55	55	55	55
	A	55	55	55	55	55	55	55	55	55	55	55	55
GND	-	-	-	-	-	-	-	-	-	-	-	-	-

\*REAR PLUG-UP PART NUMBER

spec ref		dr	Narayanan, Aru	2020/11/24	projection 	MM 	size	A4	scale	1:1
tolerance std		eng	Kartha, Aravin	2021/06/24			ecn no	ELX-I-41331-1		
ISO 406 ISO 1101		chr	-	-			rel level	Released		
surface ISO 1302		appr	Kuriakose, San	2021/08/26	product family		rev			
linear ✓	0.X	±0.3		Amphenol FCI VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.	dwg no 98030	AA				
	0.XX	±0.13								
	0.XXX	±0.050								
angular	0°	±°		cat. no.	Product - Customer Drw		sheet 5 of 6			

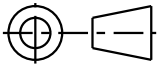


NOTES:

1. MATERIAL : BODY : THERMOPLASTIC UL94-V0.  
: CONTACT : COPPER ALLOY.
2. FOR PLATING PERFORMANCE REFER DRAWING # 10159408.
3. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS.
4. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994.
5. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.  
DIM A : 5.0mm MIN, 8.0mm MAX FOR ROWS A-H  
DIM C : 5.0mm MIN, 8.0mm MAX FOR ROWS A-H
6. THE MIN PCB THICKNESS FOR REAR PLUG-UP APPLICATIONS IS 1.6mm
7. USE SHROUD 98173-102 FOR REAR PLUG-UP APPLICATIONS.
8. 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.

9. CURRENT RATING : 1 AMP PER PIN
10. TEMPERATURE RANGE : -55°C TO +105°C
11. PRODUCTS WHERE THE PART NUMBERS ENDS IN "LF" MEET 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.

12. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS TO BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref		dr	Narayanan, Aru	2020/11/24	projection 	MM 	size	A4	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Kartha, Aravin	2021/06/24			ecn no	ELX-I-41331-1			
		chr	-	-			rel level	Released			
ISO 406	surface 	appr	Kuriakose, San	2021/08/26	product family		rev	AA			
ISO 1101		linear		0.X	±0.3	title	98030	cat. no.	Product - Customer Drw	sheet 6 of 6	
ISO 1302		angular		0°	±°						dwg no
	linear		0.XX	±0.13							
				0.XXX	±0.050	VERTICAL SIGNAL HDR 8 ROW					
						P.F. 96 POS. SELECT LOAD EXT.					