

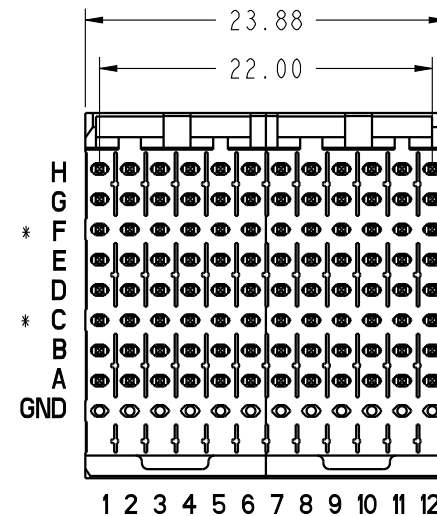
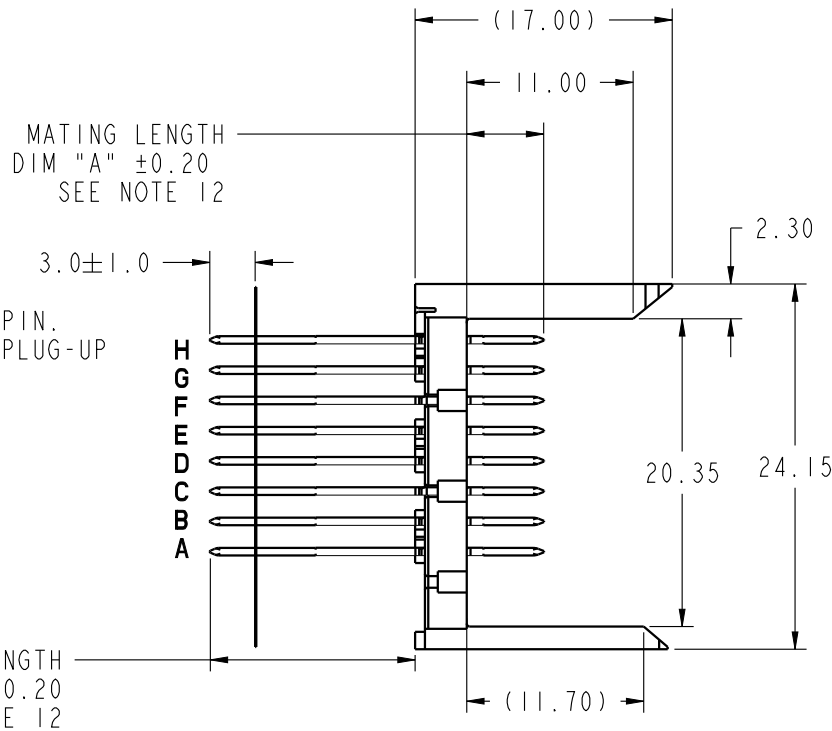
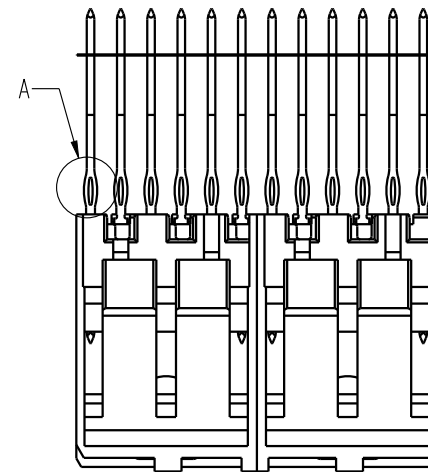
PRODUCTG NUMBER  
74771-X02ZZZLF



EYE OF NEEDLE  
PRESS FIT SECTION

DETAIL A  
SCALE 4:1

SEE DETAIL A





spec ref		dr Narayanan, Aru 2020/11/21		projection 	MM ←→	size A4	scale 2:1
tolerance std ISO 406 ISO 1101		eng Narayanan, Aru 2020/12/22				ecn no ELX-I-39415-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -				rel level Released	
surface		appr Kuriakose, San 2020/12/22		product family METRAL		rev	
ISO 1302 ✓	linear	0.X	±0.3	Amphenol FCi		title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.	
		0.XX	±0.13				
		0.XXX	±0.050				
angular	0°	±2°	cat. no.		Product - Customer Drw		
ISO 1302 ✓				dwg no 74771		sheet 1 of 5	

Creo F114:ELX-FCI-AC, REV F, 2020-12-21


PRODUCTNUMBER  
SEE SHEET 1

NOTES:

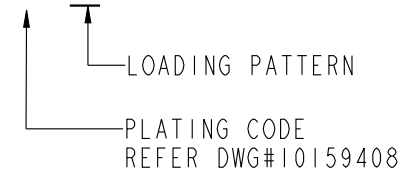
1. MATERIAL : BODY : THERMOPLASTIC UL94-V0.  
: CONTACT : COPPER ALLOY. 
2. FOR PLATING PERFORMANCE REFER DRAWING # 10159408 
3. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CURRENT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS.
4. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASSY 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 MIN.
10. TEMPRATURE RANGE : -55°C TO +105°C.

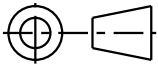

11. THE PRODUCTS WHERE THE PART NUMBERS ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVES AND OTGHER  COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.

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

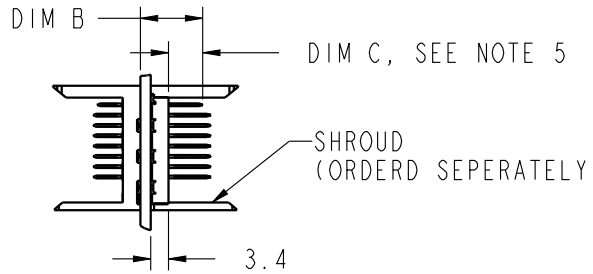
12. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
13. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

14. P/N LOGIC  
74771-X02ZZZLF

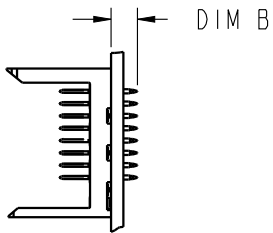


spec ref		dr	Narayanan, Aru	2020/11/21	projection 	MM 	size	A4	scale	2:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Narayanan, Aru			2020/12/22	ecn no	ELX-I-39415-1	
			chr	-			-	product family	METRAL	
surface	linear	0.X	±0.3	Amphenol FCi	title	VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.	dwg no	74771	rev	T
ISO 1302		0.XX	±0.13							
	angular	0°	±2°							

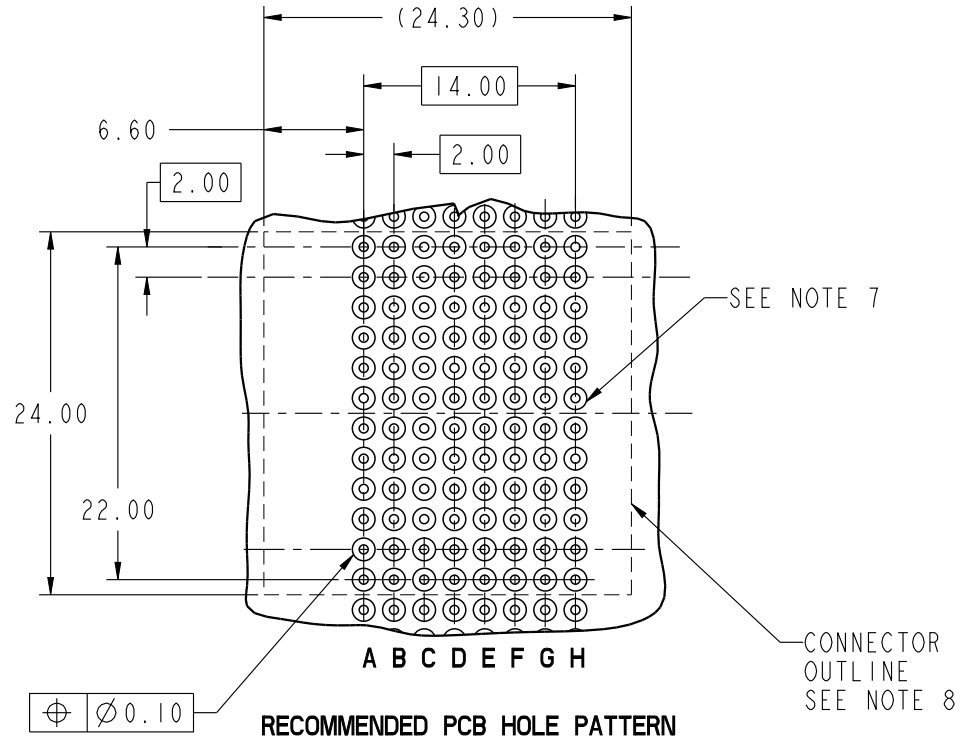
PRODUCT NUMBER  
SEE SHEET 1



REAR PLUG-UP



STB MOUNT



COMPONENT SIDE  
FOR PTH DETAILS REFER DRAWING 58351

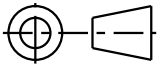
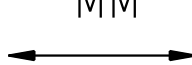
spec ref		dr	Narayanan, Aru	2020/11/21	projection	MM	size	A4	scale	1:1		
tolerance std		eng	Narayanan, Aru	2020/12/22				ecn no		ELX-I-39415-1		
ISO 406	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-				rel level		Released		
ISO 1101		0.X	±0.3	appr		Kuriakose, San	2020/12/22	product family				
surface		linear	0.XX	±0.13	<b>Amphenol FCi</b>		title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.		dwg no 74771		rev	T
ISO 1302		angular	0°	±2°							cat. no.	Product - Customer Drw

Creo F-114-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
			ALL ROWS
01*	5.00	4.30	1.60 MIN
54		11.55	1.60-3.15
22		12.20	1.60-3.80
30		12.95	1.60-4.55
05		13.70	2.30-5.30
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
55		11.55	1.60-3.15
44		12.20	1.60-3.80
31		12.95	1.60-4.55
06		13.70	2.30-5.30
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

PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH
			ALL ROWS
03*	6.50	4.30	1.60 MIN
56		11.55	1.60-3.15
45		12.20	1.60-3.80
32		12.95	1.60-4.55
07		13.70	2.30-5.30
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
04*	7.25	4.30	1.60 MIN
57		11.55	1.60-3.15
46		12.20	1.60-3.80
33		12.95	1.60-4.55
08		13.70	2.30-5.30
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

PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH
			ALL ROWS
19*	8.00	4.30	1.60 MIN
58		11.55	1.60-3.15
47		12.20	1.60-3.80
34		12.95	1.60-4.55
20		13.70	2.30-5.30
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

spec ref		dr <a href="#">Narayanan, Aru</a> 2020/11/21		projection		size A4		scale 1:1													
tolerance std ISO 406 ISO 1101		eng <a href="#">Narayanan, Aru</a> 2020/12/22						ecn no <a href="#">ELX-I-39415-1</a>													
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -						rel level <b>Released</b>													
surface		appr <a href="#">Kuriakose, San</a> 2020/12/22		product family		rev		dwg no													
<table border="1"> <tr><td>linear</td><td>0.X</td><td>±0.3</td></tr> <tr><td></td><td>0.XX</td><td>±0.13</td></tr> <tr><td></td><td>0.XXX</td><td>±0.050</td></tr> <tr><td>angular</td><td>0°</td><td>±2°</td></tr> </table>		linear	0.X	±0.3		0.XX	±0.13		0.XXX	±0.050	angular	0°	±2°	<b>Amphenol FCI</b>		title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.		74771		<b>T</b>	
linear	0.X	±0.3																			
	0.XX	±0.13																			
	0.XXX	±0.050																			
angular	0°	±2°																			
ISO 1302		cat. no.		Product - Customer Drw		sheet 4 of 5															

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN #
74771-X02001LF	H	01
	G	
	F	
	E	
	D	
	C	
	B	
	A	
GND	-	
74771-X02004LF * RPU	H	05
	G	
	F	
	E	
	D	
	C	
	B	
	A	
GND	-	
74771-X02011LF	H	02
	G	
	F	
	E	
	D	
	C	
	B	
	A	
GND	-	

CIRCUIT PCB THICKNESS RANGE FOR REAR PLUG-UP: 2.30 - 5.30

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN #
74771-X02012LF * RPU	H	44
	G	
	F	
	E	
	D	
	C	
	B	
	A	
GND	-	
74771-X02018LF * RPU	H	10
	G	
	F	
	E	
	D	
	C	
	B	
	A	
GND	-	
74771-X02021LF	H	03
	G	
	F	
	E	
	D	
	C	
	B	
	A	
GND	-	

CIRCUIT PCB THICKNESS RANGE FOR REAR PLUG-UP: 1.60 - 3.80

CIRCUIT PCB THICKNESS RANGE FOR REAR PLUG-UP: 5.70 - 8.70

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN #
74771-X02023LF	H	32
	G	
	F	
	E	
	D	
	C	
	B	
	A	
GND	-	
74771-X02031LF * RPU	H	04
	G	
	F	
	E	
	D	
	C	
	B	
	A	
GND	-	
74771-X02041LF	H	19
	G	
	F	
	E	
	D	
	C	
	B	
	A	
GND	-	

CIRCUIT PCB THICKNESS RANGE FOR REAR PLUG-UP: 1.60 - 4.55

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN #
74771-X02042LF * RPU	H	06
	G	
	F	
	E	
	D	
	C	
	B	
	A	
GND	-	

CIRCUIT PCB THICKNESS RANGE FOR REAR PLUG-UP: 2.30 - 5.30

\* REAR PLUG-UP PART NUMBERS

spec ref		dr	Narayanan, Aru	2020/11/21	projection 	MM 	size	A4	scale	1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Narayanan, Aru			2020/12/22	ecn no	ELX-I-39415-1	
			chr	-			-	rel level	Released	
surface ISO 1302	linear	0.X	±0.3		product family	rel level	74771	rev	T	
		0.XX	±0.13							
		0.XXX	±0.050							
	angular	0°	±2°		cat. no.	Product - Customer Drw	sheet 5 of 5			