

PRODUCTG NUMBER
74771-X02ZZZ(L)LF

L REFER LUBRICATED
SEE NOTE 2

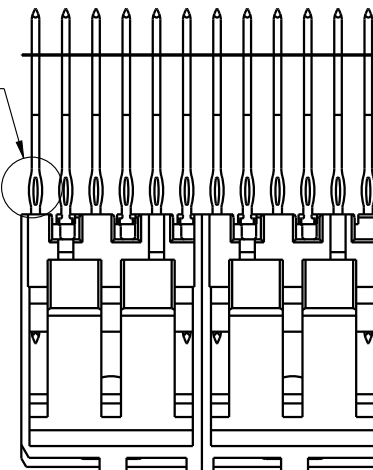
X REFER PLATING PERFORMANCE
SEE NOTE 2



EYE OF NEEDLE
PRESS FIT SECTION

DETAIL A
SCALE 4:1

SEE DETAIL A



MATING LENGTH
DIM "A" ± 0.20
SEE NOTE 12

3.0 ± 1.0

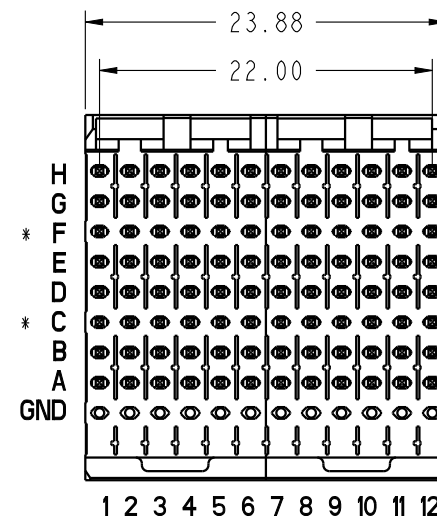
FROM LONGEST PIN.
ONLY ON REAR PLUG-UP
PART NUMBERS

H
G
F
E
D
C
B
A

20.35 24.15

TAIL LENGTH
DIM "B" ± 0.20
SEE NOTE 12

(11.70)



spec ref				dr	Narayanan, Aru	2020/11/21	projection	MM	size	A4	scale	2:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M	2021/08/13			ecn no	ELX-I-41386-1				
				chr	-	-			rel level		Released			
ISO 406 ISO 1101				appr	Kuriakose, San	2021/08/13	product family		METRAL					
surface	linear	0.X	±0.3	Amphenol FCi	title	VERTICAL SIGNAL HDR 8 ROW				dwg no	74771		rev	U
		0.XX	±0.13			P.F. 96 POS. SPECIAL LOAD STD.								
		0.XXX	±0.050											
	ISO 1302	angular	0°	±2°		cat. no.	Product - Customer Drw			sheet 1 of 5				

Creo File:ELX-MC-ARC_REV F_2020-12-21

PRODUCTNUMBER

SEE SHEET 1

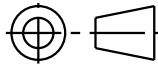
NOTES:

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. TEMPERATURE RANGE : -55°C TO +105°C.

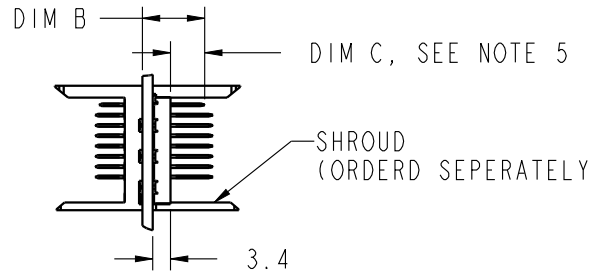
11. THE PRODUCTS WHERE THE PART NUMBERS ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.

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

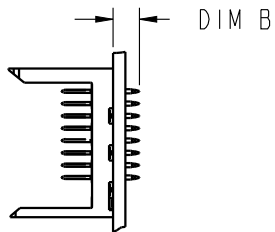
12. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
13. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref				dr	Narayanan, Aru	2020/11/21	projection 	MM 	size	A4	scale	2:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M	2021/08/13			ecn no				ELX-I-41386-1	
				chr	-	-			rel level				Released	
				ISO 406		ISO 1101			appr		Kuriakose, San	2021/08/13	product family	
surface	linear	0.X	±0.3	Amphenol FCI	title	VERTICAL SIGNAL HDR 8 ROW				dwg no	74771		rev	U
		0.XX	±0.13											
		0.XXX	±0.050											
	ISO 1302	angular	0°	±2°		cat. no.	Product - Customer Drw				sheet 2 of 5			

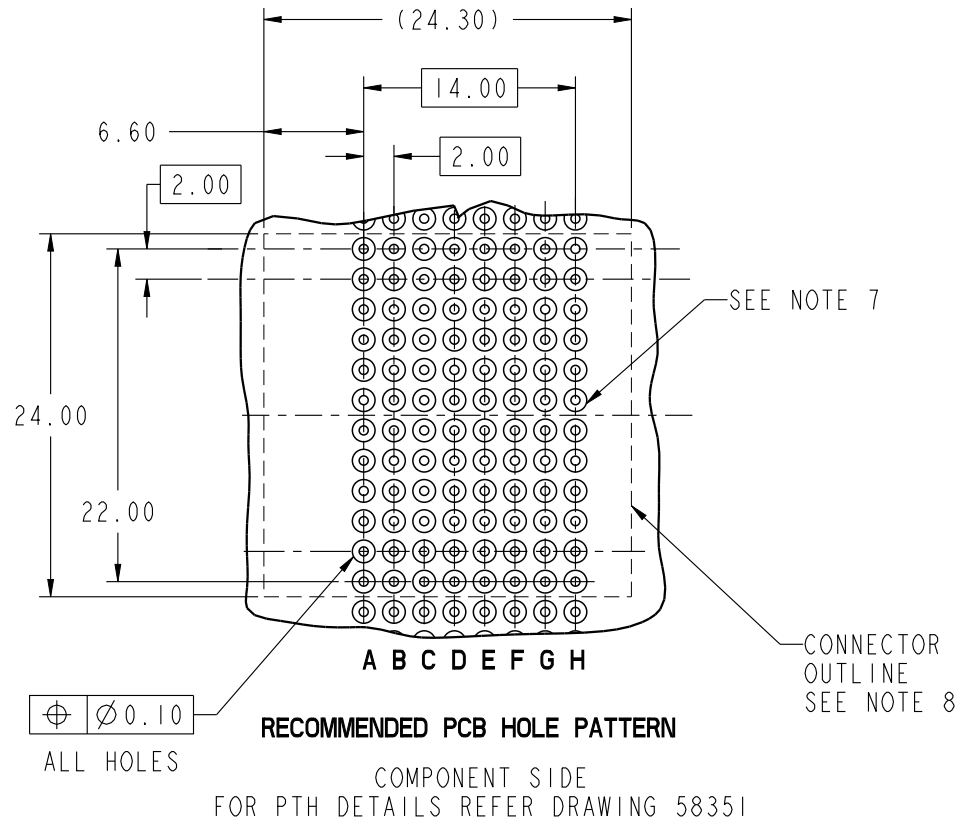
PRODUCT NUMBER
SEE SHEET 1



REAR PLUG-UP



STB MOUNT



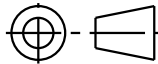
spec ref				dr	Narayanan, Aru	2020/11/21			size	A4	scale	1:1	
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M	2021/08/13			ecn no	ELX-I-41386-1			
				chr	-	-			rel level			Released	
				appr	Kuriakose, San	2021/08/13			product family				
surface ISO 1302	linear	0.X	±0.3	Amphenol FCI	title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.				dwg no	74771		rev U	
		0.XX	±0.13										
		0.XXX	±0.050										
	angular	0°	±2°	cat. no.	Product - Customer Drw				sheet 3 of 5				

Creo File: ELX-MC-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		Narayanan, Aru	2020/11/21	projection 	MM 	size	A4	scale	1:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M			2021/08/13	ecn no ELX-I-41386-1				
				chr	-			-	rel level Released				
				appr	Kuriakose, San			2021/08/13	product family				
surface	linear	0.X	±0.3	Amphenol FCI	title	VERTICAL SIGNAL HDR 8 ROW			dwg no	74771		rev	U
		0.XX	±0.13										
		0.XXX	±0.050										
	ISO 1302	angular	0°	±2°		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 - 3.80CIRCUIT PCB
THICKNESS
RANGE
FOR REAR
PLUG-UP:
5.70 - 8.70

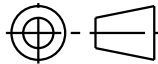
SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN #
74771-X02023LF	H	32
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-
74771-X02031LF * RPU	H	04
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-
74771-X02041LF	H	19
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-

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	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M			2021/08/13	ecn no			ELX-I-41386-1	
				chr	-			-	rel level			Released	
ISO 406 ISO 1101		appr		Kuriakose, San	2021/08/13	product family							
surface	linear	0.X	±0.3	Amphenol FCi	title	VERTICAL SIGNAL HDR 8 ROW			dwg no	74771		rev	U
		0.XX	±0.13										
		0.XXX	±0.050										
	ISO 1302	angular	0°	±2°		cat. no.	Product - Customer Drw			sheet 5 of 5			