

PRODUCTG NUMBER
74771-X02ZZZ(L)LF

L REFER LUBRICATED
SEE NOTE 2

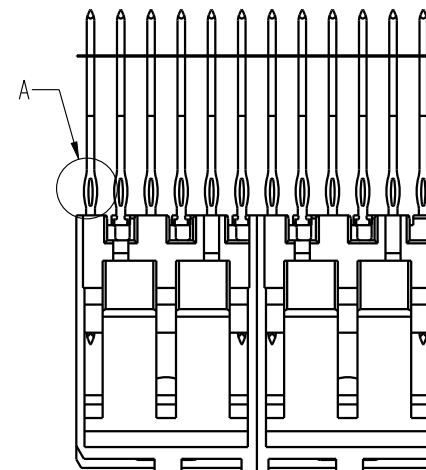
X REFER PLATING PERFORMANCE
SEE NOTE 2



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

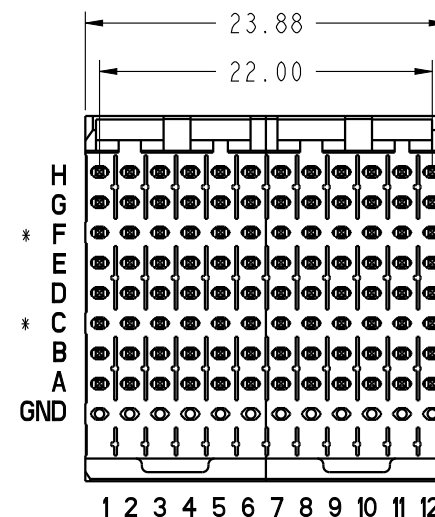
FROM LONGEST PIN.
ONLY ON REAR PLUG-UP
PART NUMBERS

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


PRODUCTNUMBER
SEE SHEET 1

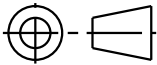

NOTES:

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.

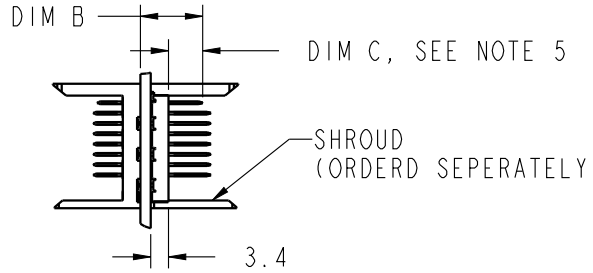
11. THE PRODUCTS WHERE THE PART NUMBERS ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.

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

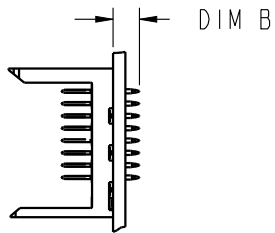
12. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
13. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref		dr	Narayanan, Aru	2020/11/21	projection 	MM 	size	A4	scale	2:1			
tolerance std 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				
surface	linear	0.X	±0.3	appr	Kuriakose, San	2021/08/13	product family		METRAL				
ISO 1302	linear	0.XX	±0.13	Amphenol FCi		title		VERTICAL SIGNAL HDR 8 ROW		dwg no	74771	rev	U
		0.XXX	±0.050										
		angular	0°										
cat. no.		Product - Customer Drw				sheet 2 of 5							

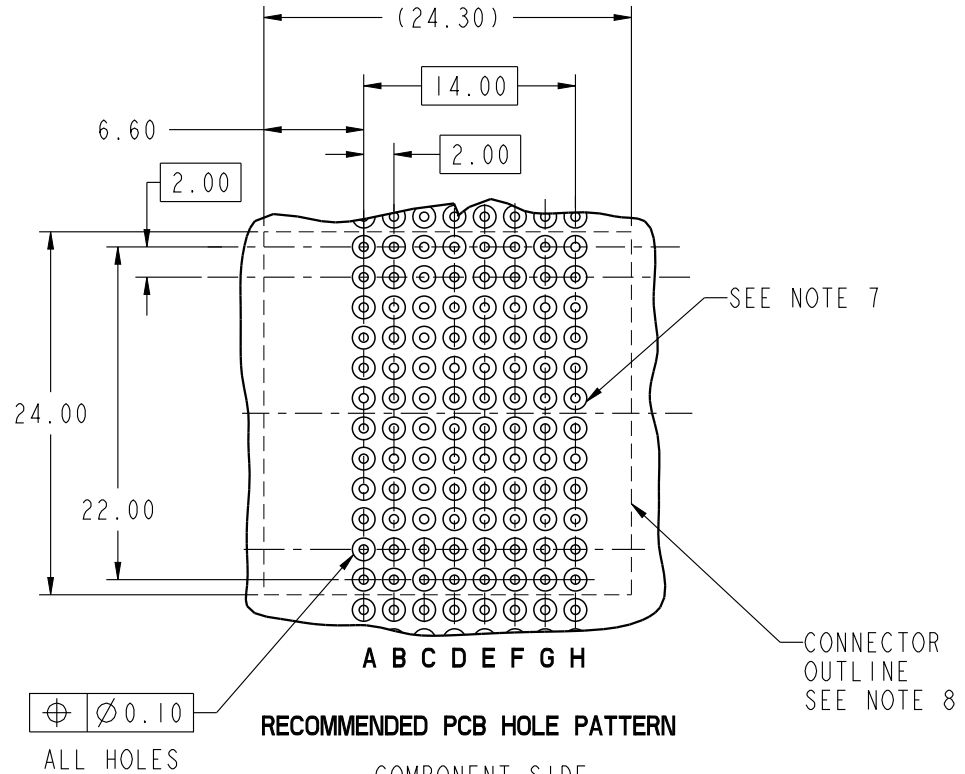
PRODUCT NUMBER
SEE SHEET 1



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	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/08/13			ecn no	ELX-I-41386-1					
		chr	-	-				rel level	Released				
ISO 406	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Kuriakose, San	2021/08/13	product family			rev					
ISO 1101		linear	Amphenol FCi		title		VERTICAL SIGNAL HDR 8 ROW		74771				
surface											0.X	±0.3	cat. no.
	0.XX	±0.13									sheet 3 of 5		
ISO 1302	angular	0°	±2°	P.F. 96 POS. SPECIAL LOAD STD.		U							

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 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			
surface	linear	0.X	±0.3	Amphenol FCI	product family	cat. no.	title	VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.	dwg no	74771	rev	U
ISO 1302		0.XX	±0.13									
		0.XXX	±0.050									
	angular	0°	±2°									
						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	Rahul Mohan-M			2021/08/13	ecn no	ELX-I-41386-1	
			chr	-			-	rel level	Released	
surface ISO 1302	linear	0.X	±0.3		Amphenol FCI	product family	rel level	74771	rev U	
		0.XX	±0.13							
		0.XXX	±0.050							
	angular	0°	±2°		cat. no.	Product - Customer Drw	sheet 5 of 5			