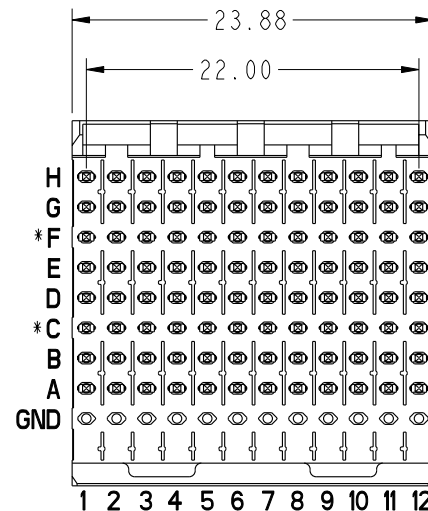
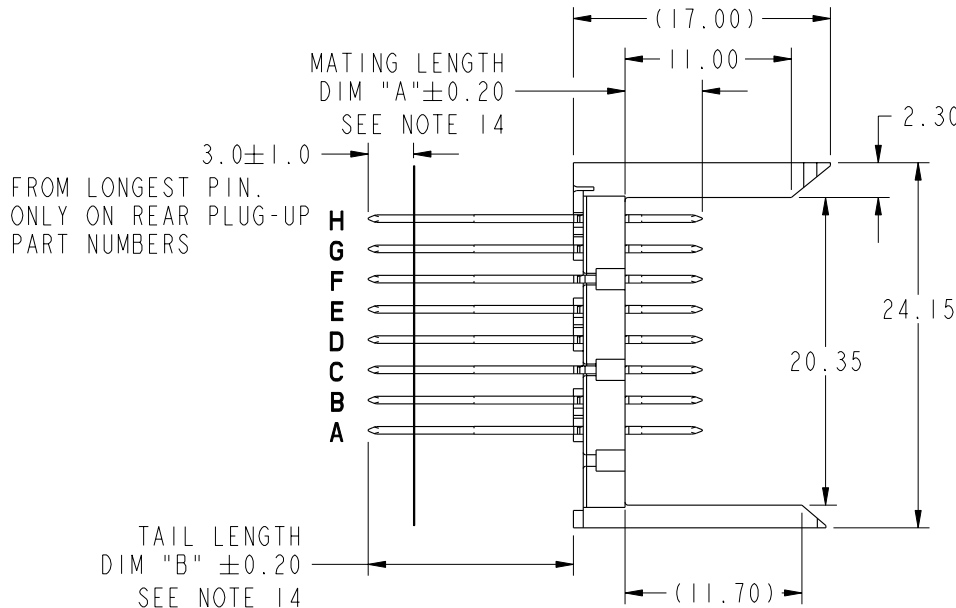
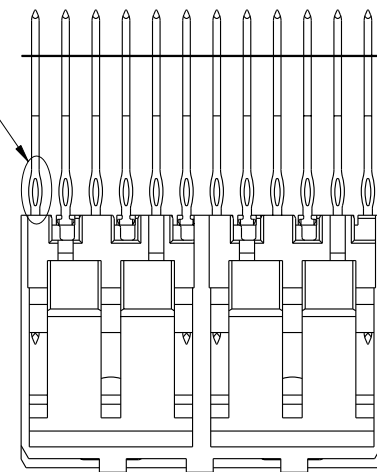
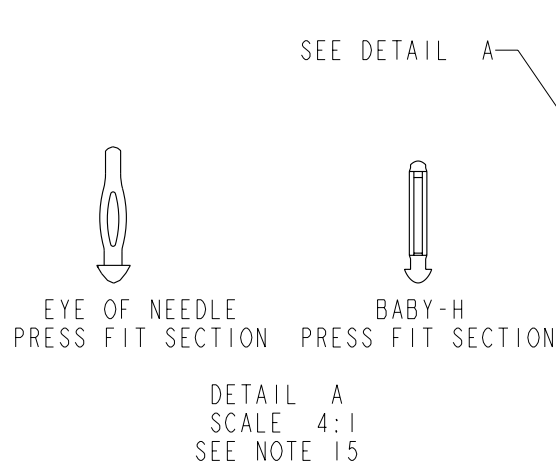


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PRODUCT NUMBER	PLATING PERFORMANCE LEVEL	PRESS FIT TAIL PLATING
74771-102ZZZ	TELCORDIA CO	STANDARD
74771-102ZZZLF		LEAD FREE
74771-202ZZZ	CUSTOMER SPECIAL	STANDARD
74771-202ZZZLF		LEAD FREE
74771-302ZZZ	CUSTOMER SPECIAL	STANDARD
74771-302ZZZLF		LEAD FREE
74771-502ZZZ	TELCORDIA UE	STANDARD
74771-502ZZZLF		LEAD FREE
74771-902ZZZ	TELCORDIA CO	STANDARD
74771-902ZZZLF		LEAD FREE



mat'l code SEE NOTE 3				tolerances unless otherwise specified			CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ± 0.3		COPY		www.fciconnect.com	
N	V06-0544	DCH	2006-06-09	linear	0.XX ± 0.13		projection		title	
P	V07-0173	DCH	2007-04-16	angles	.XXX ± 0.051				VERTICAL SIGNAL HDR 8 ROW	
R	V08-0024	HTB	2008-01-16	angles	0° $\pm 2^\circ$				P.F. 96 POS. SPECIAL LOAD STD.	
S	V08-0130	LP	2008-03-25	dr	E. KROPER.	2001-01-15	product family		METRAL	code
-	-	-	-	enrg	J. VOLSTORF	2001-01-15	size		dwg no	213
L	V04-0397	DAI	2004-05-18	chr	J. VOLSTORF	2001-01-15	scale		A	74771
M	V05-0955	LP	2005-11-09	appd	J. VOLSTORF	2001-01-15	sheet		1 of 5	
sheet index	revision sheet	S 1	S 2	S 3	S 4	S 5	cage code		22526	

PRODUCT NUMBER
SEE SHEET 1

NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CURCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS.

2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994

3. HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RETARDANT PER UL 94-V0. PIN MATERIAL: PHOSPHER BRONZE

4. PLATING INFORMATION: PLATING ON CONTACT AREA MEETS THE PERFORMANCE LEVELS SHOWN IN TABLE ON SHEET 1. PLATING ON "LF" TAILS IS Sn. PLATING ON ALL OTHER TAILS IS SnPb.

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. P/N 74771-X02ZZZLF



12. PRODUCTS WHERE THE PART NUMBERS ENDS IN A "LF" MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260° C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

13. FOR LEAD FREE PART NUMBERS ADD "LF" SUFFIX. EXAMPLE 74771-X02ZZZLF.

14. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.

15. PIN TYPE IS AT THE MANUFACTURERS OPTION AND CAN BE EITHER BABY-H OR EYE OF THE NEEDLE STYLE

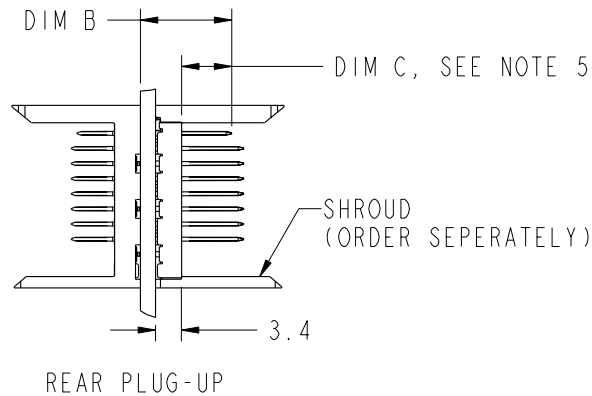


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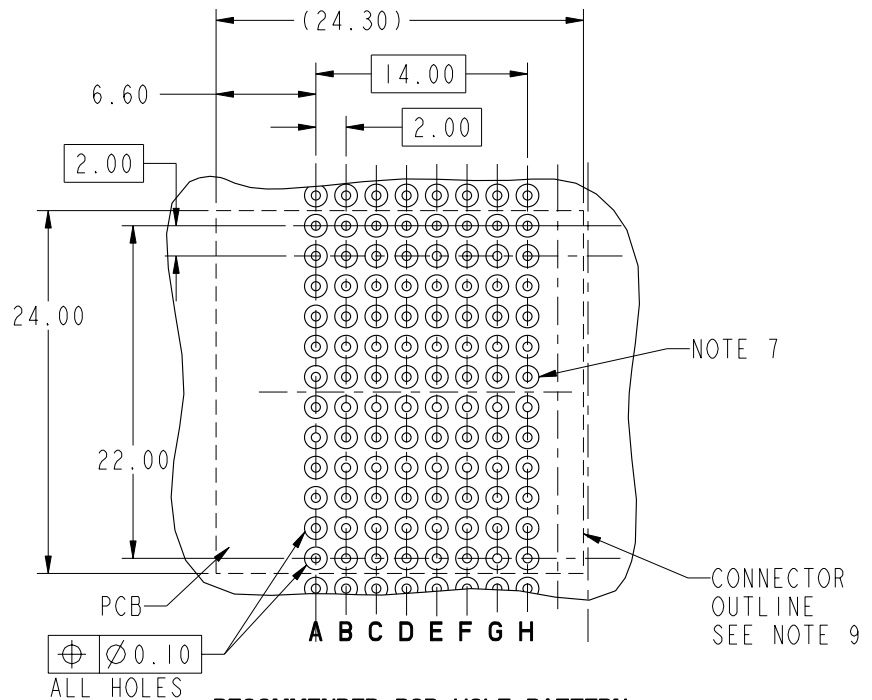
mat'l code SEE NOTE 3				tolerances unless otherwise specified			CUSTOMER		FCI www.fciconnect.com		
ltr	ecr no.	dr	date	linear	0.X ±0.3			COPY		title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.	
S					0.XX ±0.13			projection			
					.XXX ±.051						
				angles	0° ±2°						
				dr	E. KROPER.	2001-01-15	MM		product family METRAL		code
				enrg	J. VOLSTORF	2001-01-15	← MM →		size dwg no		213
				chr	J. VOLSTORF	2001-01-15	scale		A		sheet
				appd	J. VOLSTORF	2001-01-15	1:1		74771		2 of 5
sheet index	revision sheet										

PRODUCT NUMBER
SEE SHEET 1

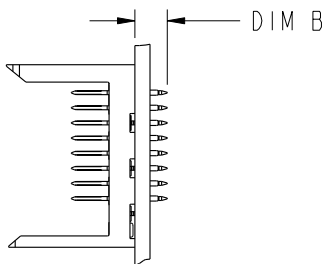
PRESS-FIT HOLES	OPTION 1
HOLE DIAMETER AFTER PLATING	Ø 0.65-0.80
DRILLED HOLE	Ø 0.81-0.86 (Ø 0.85 DRILL)
COPPER PLATING	0.025 MIN
SnPb PLATING	0.005-0.015



REAR PLUG-UP



RECOMMENDED PCB HOLE PATTERN
(COMPONENT SIDE)
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION



STUB MOUNT

mat'l code SEE NOTE 3				tolerances unless otherwise specified			CUSTOMER		FCI www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY		title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.	
S					0.XX ±0.13		projection			
					.XXX ±.051					
				angles	0° ±2°				product family METRAL code	
				dr	E. KROPER.	2001-01-15	MM		size	
				enr	J. VOLSTORF	2001-01-15	← MM →		dwg no	
				chr	J. VOLSTORF	2001-01-15	scale		A	
				appd	J. VOLSTORF	2001-01-15	1:1		74771	
sheet index	revision sheet								3 of 5	

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PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH		PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN LENGTH	
			ALL ROWS					ALL ROWS	
01*	5.00	4.30	1.60 MIN		04*	7.25	4.30	1.60 MIN	
54		11.55	1.60 - 3.15		57		11.55	1.60 - 3.15	
22		12.20	1.60 - 3.80		46		12.20	1.60 - 3.80	
30		12.95	1.60 - 4.55		33		12.95	1.60 - 4.55	
05		13.70	2.30 - 5.30		08		13.70	2.30 - 5.30	
35		14.45	3.05 - 6.05		38		14.45	3.05 - 6.05	
48		15.20	3.80 - 6.80		51		15.20	3.80 - 6.80	
40		15.70	4.30 - 7.30		42		15.70	4.30 - 7.30	
65		16.40	5.00 - 8.00		67		16.40	5.00 - 8.00	
09		17.10	5.70 - 8.70		12		17.10	5.70 - 8.70	
02*	5.75	4.30	1.60 MIN		19*	8.00	4.30	1.60 MIN	
55		11.55	1.60 - 3.15		58		11.55	1.60 - 3.15	
44		12.20	1.60 - 3.80		47		12.20	1.60 - 3.80	
31		12.95	1.60 - 4.55		34		12.95	1.60 - 4.55	
06		13.70	2.30 - 5.30		20		13.70	2.30 - 5.30	
36		14.45	3.05 - 6.05		39		14.45	3.05 - 6.05	
49		15.20	3.80 - 6.80		52		15.20	3.80 - 6.80	
25		15.70	4.30 - 7.30		43		15.70	4.30 - 7.30	
66		16.40	5.00 - 8.00		68		16.40	5.00 - 8.00	
10		17.10	5.70 - 8.70		21		17.10	5.70 - 8.70	
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						

mat'l code SEE NOTE 3				tolerances unless otherwise specified			CUSTOMER		FCI www.fciconnect.com		
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY		title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.		
S					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°						
		dr	E. KROPER.	2001-01-15			product family METRAL		code		
		enr	J. VOLSTORF	2001-01-15			size		dwg no		213
		chr	J. VOLSTORF	2001-01-15			scale		A		4 of 5
		appd	J. VOLSTORF	2001-01-15			1:1		74771		
sheet index	revision sheet										

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN #
74771-X02001 SEE NOTE 13 LEAD FREE OPTION	H	01
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-
74771-X02004 *RPU SEE NOTE 13 LEAD FREE OPTION	H	05
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-
74771-X02011 SEE NOTE 13 LEAD FREE OPTION	H	02
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-
74771-X02012 *RPU SEE NOTE 13 LEAD FREE OPTION	H	44
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-

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

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

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN #
74771-X02018 *RPU SEE NOTE 13 LEAD FREE OPTION	H	10
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-
74771-X02021 SEE NOTE 13 LEAD FREE OPTION	H	03
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-
74771-X02023 *RPU SEE NOTE 13 LEAD FREE OPTION	H	32
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-
74771-X02031 SEE NOTE 13 LEAD FREE OPTION	H	04
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-

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

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

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN #
74771-X02041 SEE NOTE 13 LEAD FREE OPTION	H	19
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-
74771-X02042 *RPU SEE NOTE 13 LEAD FREE OPTION	H	06
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	-

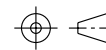
CIRCUIT PCB
THICKNESS
RANGE
FOR REAR
PLUG-UP:
2.30 - 5.30



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* REAR PLUG-UP PART NUMBER

mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ± 0.3	COPY		title	
S				angles	0.XX ± 0.13	projection		VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.	
					.XXX ± .051	MM		product family	
				dr	0° ± 2°	← MM →		METRAL	
				enr	E. KROPER. 2001-01-15	scale		code	
				chr	J. VOLSTORF 2001-01-15	1:1		213	
				appd	J. VOLSTORF 2001-01-15	A		sheet	
sheet		revision						5 of 5	
index		sheet							



cage code 22526