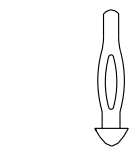




PRODUCT NUMBER	PLATING PERFORMANCE LEVEL	PRESS FIT TAIL PLATING
74771-102ZZZ	TELCORDIA CO	STANDARD
74771-102ZZZLF		LEAD FREE
74771-202ZZZ	CUSTOMER SPECIAL	STANDARD
74771-202ZZZLF		LEAD FREE
74771-302ZZZ	CUSTOMER SPECIAL	STANDARD
74771-302ZZZLF		LEAD FREE
74771-502ZZZ	TELCORDIA UE	STANDARD
74771-502ZZZLF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

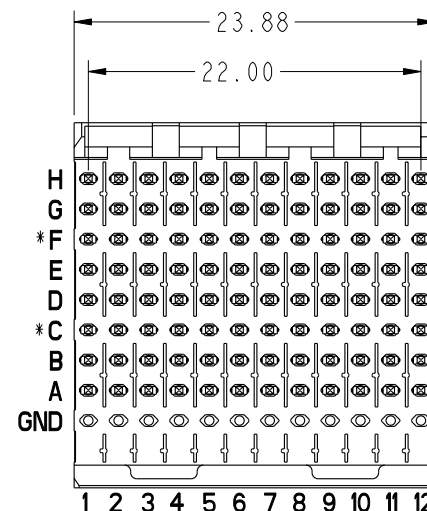
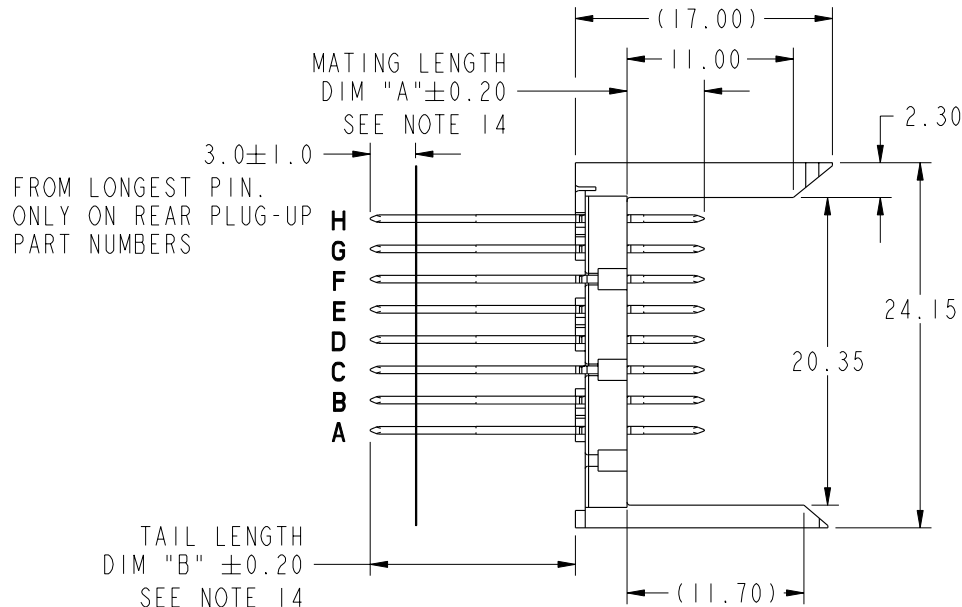
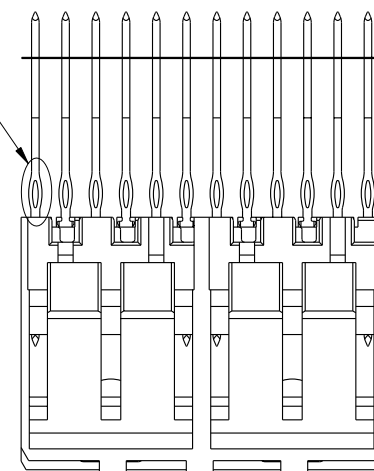


EYE OF NEEDLE
PRESS FIT SECTION



BABY-H
PRESS FIT SECTION

DETAIL A
SCALE 4:1
SEE NOTE 15



mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	www.fciconnect.com	
N	V06-0544	DCH	2006-06-09		0.XX ±0.13			title	
P	V07-0173	DCH	2007-04-16	angles	.XXX ±.051	MM	scale	VERTICAL SIGNAL HDR 8 ROW	
R	V08-0024	HTB	2008-01-16		0° ±2°			P.F. 96 POS. SPECIAL LOAD STD.	
S	V08-0130	LP	2008-03-25	dr	E. KROPER.	2001-01-15	A	product family	
-	-	-	-	enrg	J. VOLSTORF	2001-01-15		METRAL	
L	V04-0397	DAI	2004-05-18	chr	J. VOLSTORF	2001-01-15	1:1	size	
M	V05-0955	LP	2005-11-09	appd	J. VOLSTORF	2001-01-15		dwg no	
sheet index		revision	S	S	S	S	S	74771	
sheet		sheet	1	2	3	4	5	213	
								1 of 5	

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.

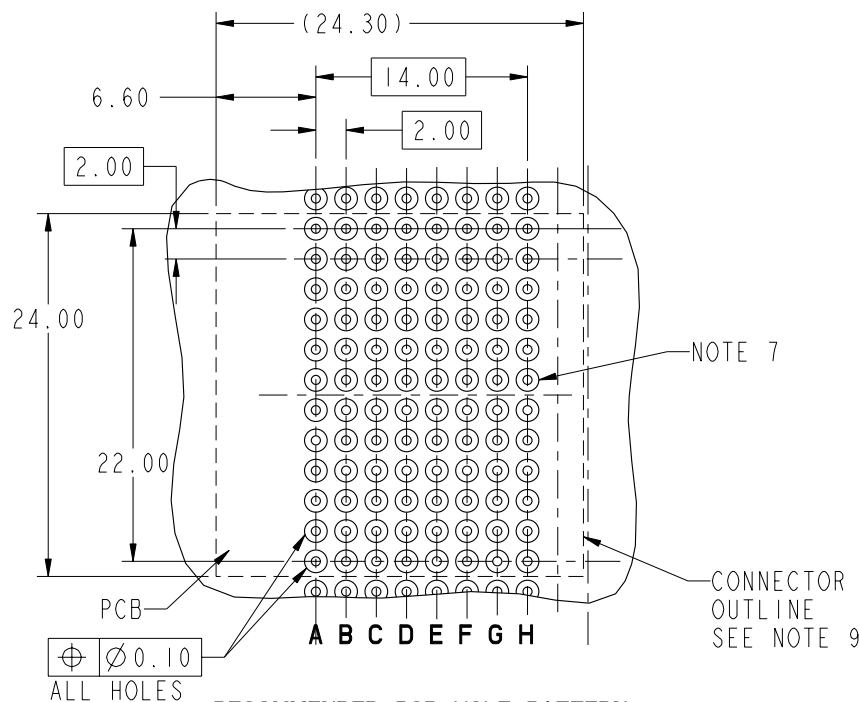
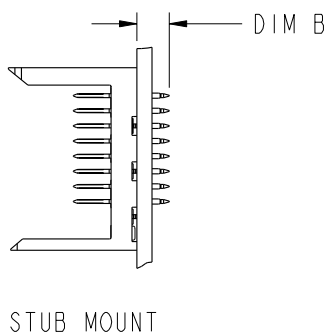
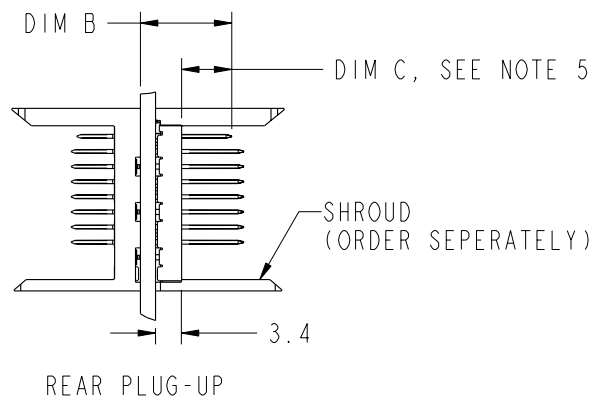
15. PIN TYPE IS AT THE MANUFACTURERS OPTION AND CAN BE EITHER BABY-H OR EYE OF THE NEEDLE STYLE

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 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	←→		size		dwg no	213
				chr	J. VOLSTORF	2001-01-15	scale		A		sheet	
				appd	J. VOLSTORF	2001-01-15	1:1				2 of 5	
sheet	revision											
index	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



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

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	projection	COPY	title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.	product family METRAL
S					0.XX ± 0.13				
					.XXX ± .051				
				angles	0° ± 2°	MM scale 1:1	A	size 74771	code 213 sheet 3 of 5
				dr	E. KROPER. 2001-01-15				
				enr	J. VOLSTORF 2001-01-15				
				chr	J. VOLSTORF 2001-01-15				
				appd	J. VOLSTORF 2001-01-15				
sheet index	revision sheet								

Pro/E

cage code 22526

PDM: Rev:S

STATUS: Released

Printed: Dec 16, 2008



A

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
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

B

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			
S					0.XX ± 0.13		projection			
					.XXX ± .051					
				angles	0° ± 2°				title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.	
				dr	E. KROPER.	2001-01-15	MM		product family METRAL	
				enrg	J. VOLSTORF	2001-01-15			code 213	
				chr	J. VOLSTORF	2001-01-15	1:1		sheet 4 of 5	
				appd	J. VOLSTORF	2001-01-15				
sheet index	revision sheet									

B

Pro/E

3

PDM: Rev:S

STATUS: Released

Printed: Dec 16, 2008

cage code 22526

4



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

* 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					0.XX ±0.13			projection		VERTICAL SIGNAL HDR 8 ROW	
					.XXX ±.051					P.F. 96 POS. SPECIAL LOAD STD.	
				angles	0° ±2°					product family METRAL	
				dr	E. KROPER.	2001-01-15	scale		size		code
				enrg	J. VOLSTORF	2001-01-15	1:1		dwg no		213
				chr	J. VOLSTORF	2001-01-15			A		sheet
				appd	J. VOLSTORF	2001-01-15			74771		5 of 5
sheet index	revision sheet										