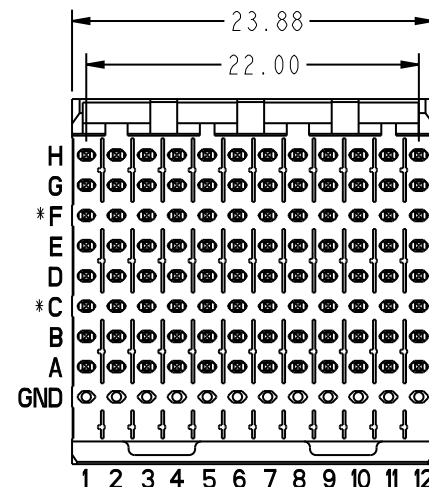
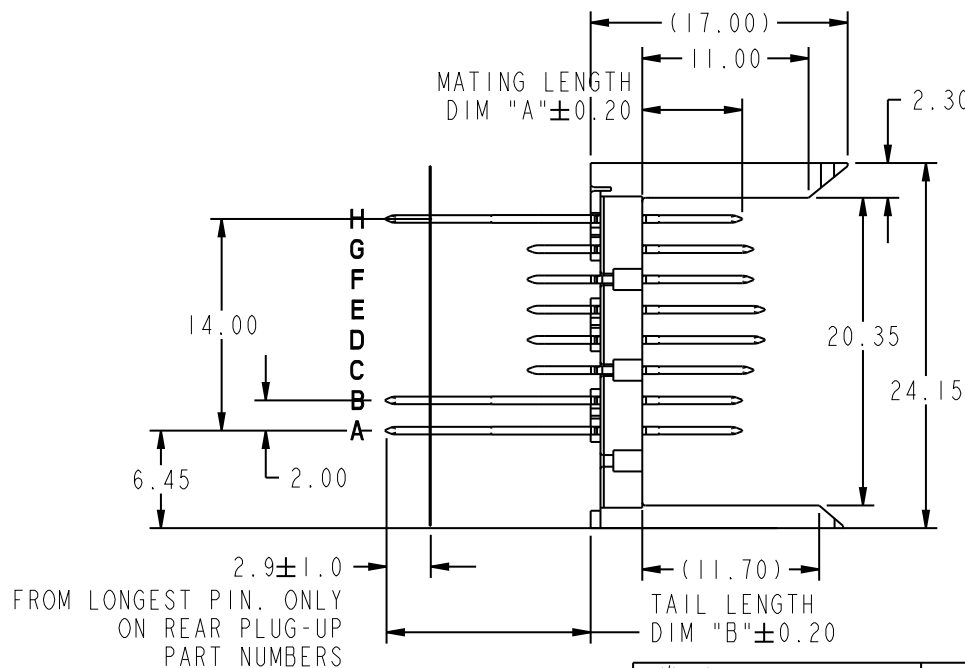
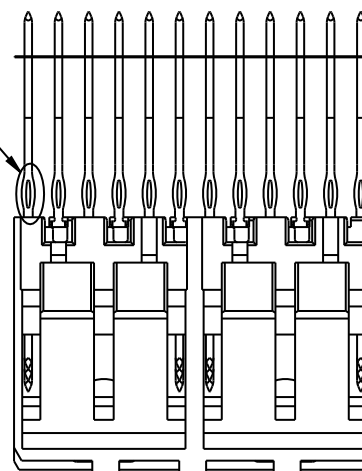




PRODUCT NUMBER	PLATING PERFORMANCE LEVEL
98030-1YYY	TELCORDIA CO
98030-1YYYYLF	TELCORDIA CO
98030-5YYY	TELCORDIA UE
98030-5YYYYLF	TELCORDIA UE

EYE OF NEEDLE PRESS FIT SECTION
BABY-H PRESS FIT SECTION

DETAIL A
SCALE 4:1
SEE NOTE 14



mat'l code SEE NOTE 3				tolerances unless otherwise specified				CUSTOMER		FCI www.fciconnect.com			
lfr	ecn no.	dr	date	linear	0.X ± 0.3				COPY		title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.		
T	V06-0573	DCH	2006-06-14		0.XX ± 0.13				projection 				
U	V07-0168	DCH	2007-03-23		.XXX $\pm .051$								
V	V08-0030	HTB	2008-02-23	angles	0° $\pm 2^\circ$					MM	product family METRAL		
W	V08-0066	LP	2008-03-24	dr	E. KROPER.		2001-01-15					size A	dwg no 98030
X	109-0280	RKV	2009-12-15	enrg	J. VOLSTORF		2001-01-15						
-	-	-	-	chr	RAJKRISHNAN.V		2009-12-15		scale 1:1		code 213		
-	-	-	-	appd	BIJU K PAUL		2009-12-15					sheet 1 of 6	
sheet index		revision sheet		X	X	X	X	X	X				
				1	2	3	4	5	6				

cage code 22526

Pro/E

PDM: Rev:X

STATUS: Released

Printed: May 14, 2011



PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH
			ROWS A,B,C,D,E,F,G,& H
01*	5.00	4.30	1.60 MIN
22		12.20	2.95 - 3.80
30		12.95	2.95 - 4.55
05		13.70	2.95 - 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
44		12.20	2.95 - 3.80
31		12.95	2.95 - 4.55
06		13.70	2.95 - 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
45		12.20	2.95 - 3.80
32		12.95	2.95 - 4.55
07		13.70	2.95 - 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

* STUB PINS - NO REAR PLUG-UP

PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN LENGTH
			ROWS A,B,C,D,E,F,G & H
04*	7.25	4.30	1.60 MIN
46		12.20	2.95 - 3.80
33		12.95	2.95 - 4.55
08		13.70	2.95 - 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
19*	8.00	4.30	1.60 MIN
47		12.20	2.95 - 3.80
34		12.95	2.95 - 4.55
20		13.70	2.95 - 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

mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0.X $\pm$ 0.3	projection	COPY	title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.	product family METRAL	
X					0.XX $\pm$ 0.13					
					.XXX $\pm$.051					
				angles	0° $\pm$ 2°	 MM 1:1	size A	dwg no 98030	code 213 sheet 2	
				dr	E. KROPER.					2001-01-15
				enr	J. VOLSTORF					2001-01-15
				chr	RAJKRISHNAN.V	2009-12-15				
				appd	BIJU K PAUL	2009-12-15				
sheet index	revision sheet									

cage code 22526

Pro/E

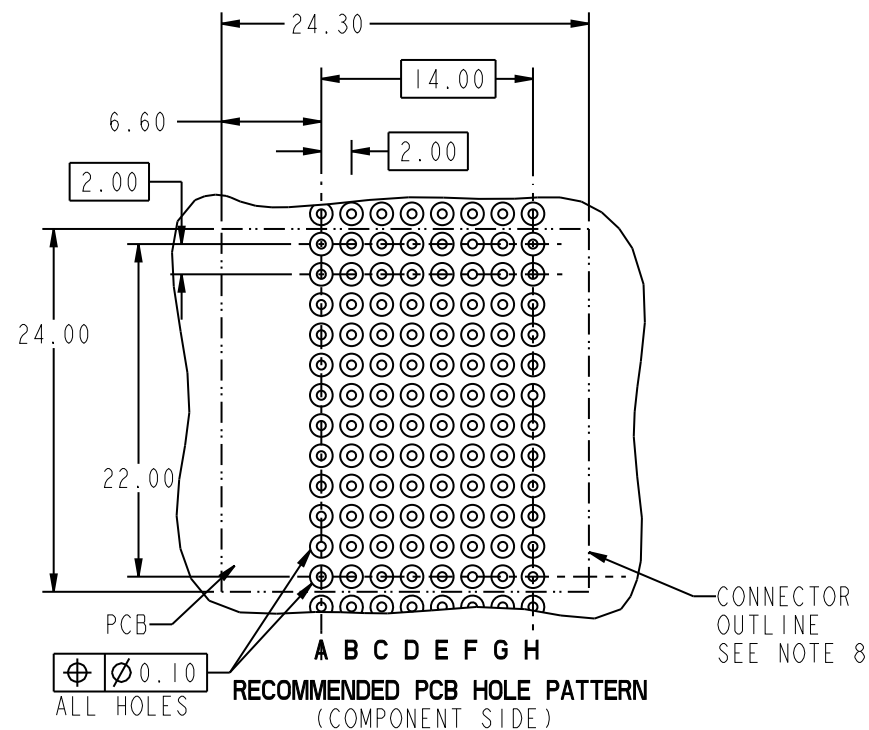
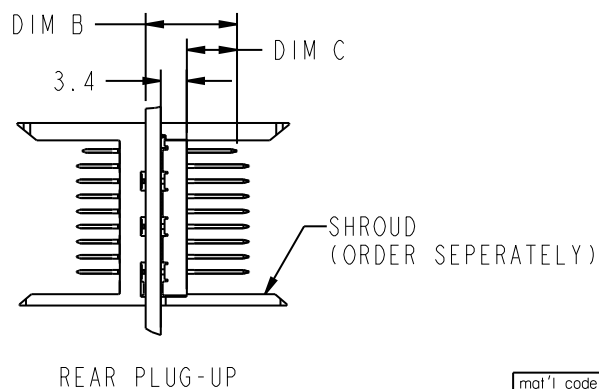
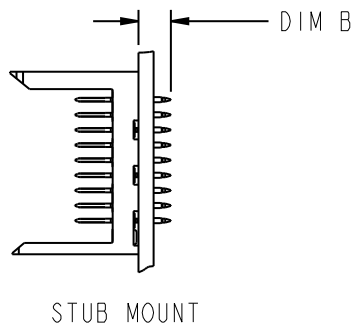
PDM: Rev:X

STATUS: Released

Printed: May 14, 2011

PRODUCT NUMBER
SEE SHEET 1

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



SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ± 0.3	COPY			title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.
X					0.XX ± 0.13				
					.XXX $\pm .051$				
				angles	0° $\pm 2^\circ$	MM			
				dr	E. KROPER. 2001-01-15	scale 1:1	size A	dwg no 98030	
				enrg	J. VOLSTORF 2001-01-15				
				chr	RAJKRISHNAN. 2009-12-15				sheet 3
				appd	BIJU K PAUL 2009-12-15				
sheet index	revision sheet								

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mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0. X $\pm$ 0.3	projection		title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.	
X					0. XX $\pm$ 0.13				
					.XXX $\pm$.051				
				angles	0° $\pm$ 2°				
		dr			E. KROPER 2001-01-15			product family	METRAL
		engr			J. VOLSTORF 2001-01-15			size	dwg no
		chr			AJAKRISHNAN 2009-12-15	scale		98030	
		appd			BIJU K PAUL 2009-12-15			code	
								213	
								sheet	
								4	
sheet index	revision sheet								



METRAL P/N	ROW	CONTACT CODE											
98030-X013 SEE NOTE 13 LEAD FREE OPTION	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	04	04	02	02	02	02	02	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
	GND	-	-	-	-	-	-	-	-	-	-	-	-
METRAL P/N	ROW	CONTACT CODE											
98030-X014 SEE NOTE 13 LEAD FREE OPTION	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	04	04	02	02	02	02	01	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
	GND	-	-	-	-	-	-	-	-	-	-	-	-
METRAL P/N	ROW	CONTACT CODE											
98030-X015 * SEE NOTE 13 LEAD FREE OPTION	H	-	55	-	55	-	55	-	55	-	55	-	55
	G	55	-	55	-	55	-	55	-	55	-	55	-
	F	-	55	-	55	-	55	-	55	-	55	-	55
	E	55	-	55	-	55	-	55	-	55	-	55	-
	D	-	55	-	55	-	55	-	55	-	55	-	55
	C	55	-	55	-	55	-	55	-	55	-	55	-
	B	-	55	-	55	-	55	-	55	-	55	-	55
	A	55	-	55	-	55	-	55	-	55	-	55	-
	GND	-	-	-	-	-	-	-	-	-	-	-	-
METRAL P/N	ROW	CONTACT CODE											
98030-X016 * SEE NOTE 13 LEAD FREE OPTION	H	55	55	55	55	55	55	55	55	55	55	55	55
	G	55	55	55	55	55	55	55	55	55	55	55	55
	F	57	57	55	55	55	55	55	55	55	55	55	55
	E	55	55	55	55	55	55	55	55	55	55	55	55
	D	55	55	55	55	55	55	55	55	55	55	55	55
	C	55	55	55	55	55	55	55	55	55	55	55	55
	B	55	55	55	55	55	55	55	55	55	55	55	55
	A	55	55	55	55	55	55	55	55	55	55	55	55
	GND	-	-	-	-	-	-	-	-	-	-	-	-

*REAR PLUG-UP PART NUMBER

METRAL P/N	ROW	CONTACT CODE											
98030-X017 SEE NOTE 13 LEAD FREE OPTION	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	04	04	02	02	02	02	02	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
	GND	-	-	-	-	-	-	-	-	-	-	-	-

mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X $\pm$ 0.3	COPY			
X					0.XX $\pm$ 0.13	projection			
					.XXX $\pm$ 0.051				
				angles	0° $\pm$ 2°			title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.	
				dr	E. KROPER.	2001-01-15	product family		METRAL
				enrg	J. VOLSTORF	2001-01-15	size		dwg no
				chr	RAJKRISHNAN.V	2009-12-15	scale		98030
				appd	BIJU K PAUL	2009-12-15	sheet		5
sheet	revision						cage code		22526
index	sheet								

SFF SHEET 1

1. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT 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: PHOSPHOR BRONZE

4. PLATING ON CONTACT AREAS PER 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

II. P/N 98030-XYYYLF



12. PRODUCTS WHERE THE PART NUMBERS ENDS IN
"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: 98030-XXXXLF

14. 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		 www.fciconnect.com					
ltr	ecn no.	dr	date	linear	0. X $\pm$ 0.3		COPY		 title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT				
X					0. XX $\pm$ 0.13		projection						
					. XXX $\pm$.051								
				angles	0° $\pm$ 2°		 MM scale 1:1		product family		METRAL	code	
				dr	E. KROPER. 2001-01-15				size	dwg no	98030		213 sheet 6
				enrg	J. VOLSTORF 2001-01-15								
				chr	RAJKRISHNAN. 2009-12-15								
				appd	BIJU K PAUL 2009-12-15								
sheet index		revision sheet											

cage code	22526
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