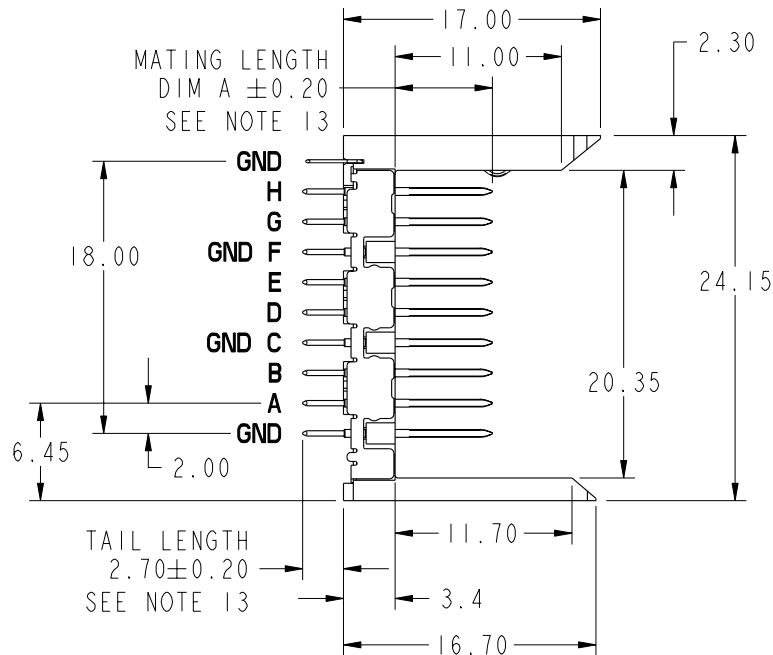


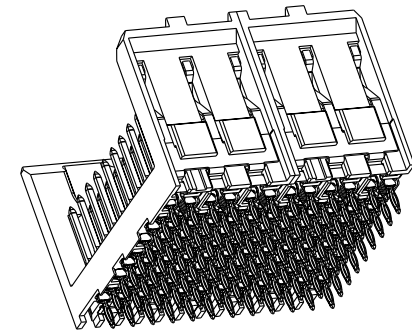
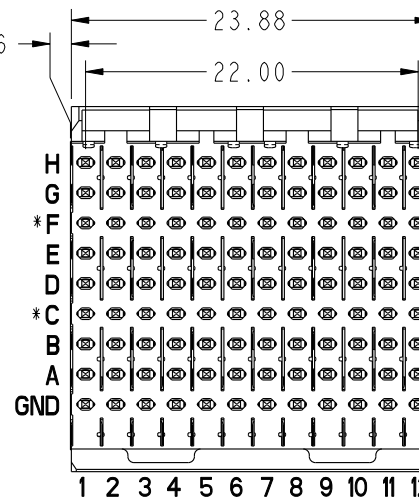
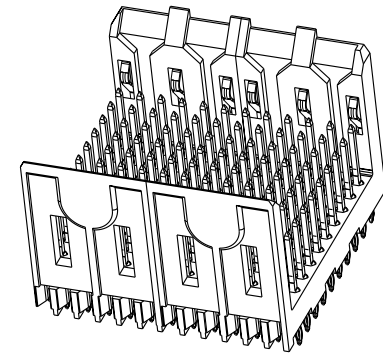
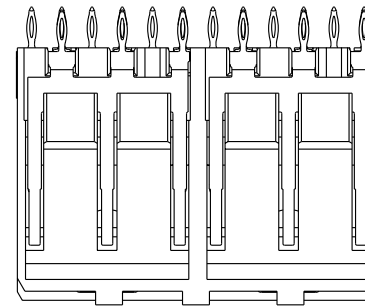


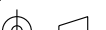
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PRODUCT NUMBER	PLATING PERFORMANCE LEVEL	PRESS FIT TAIL PLATING
55004-102ZZZ	TELCORDIA CO	STANDARD
55004-102ZZZLF		LEAD FREE
55004-502ZZZ	TELCORDIA UE	STANDARD
55004-502ZZZLF		LEAD FREE



***ROW C AND F INFORMATION**
ODD NUMBER COLUMNS WITHIN ROW C & F ARE COMMONED
TO GROUND INTERNALLY WITHIN THE HOUSING. THE
EVEN NUMBER COLUMNS WITHIN ROW C & F ARE NOT.
FOR MAXIMUM PERFORMANCE IT IS RECOMMENDED THESE
EVEN COLUMNS BE GROUND COMMONED WITHIN PCB.
SEE NOTE 12

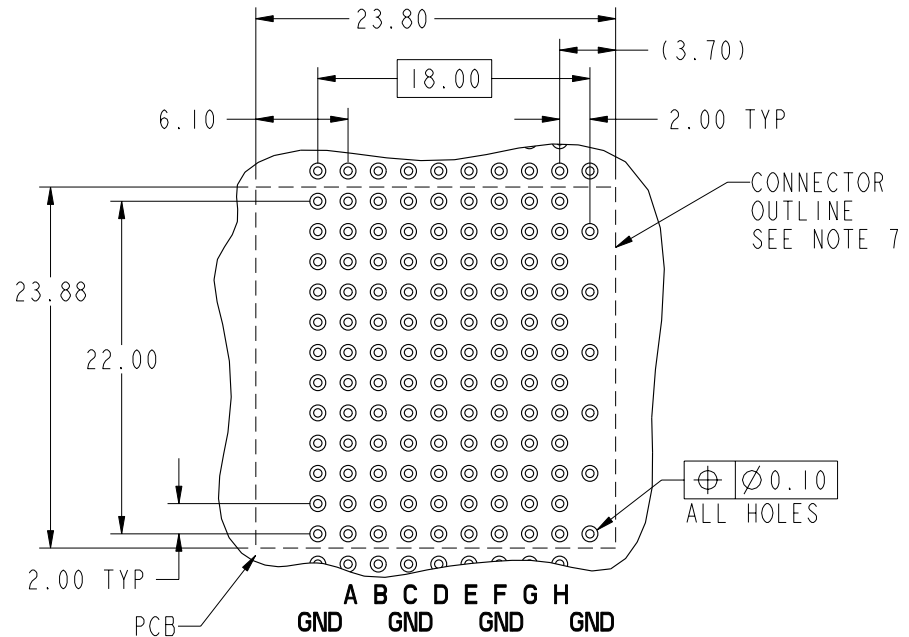


mat'l code SEE NOTE 3				tolerances unless otherwise specified			CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0. X ±0.3		COPY		title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.	
H	V07-0686	HTB	2007-11-19		0. XX ±0.13		projection			
J	V08-0039	HTB	2008-01-25		.XXX ±.051					
-	-	-	-	angles	0° ±2°				product family METRAL 4000	
D	V05-0771	VS	2005-09-06	dr	E. KROPER.	2001-10-24	size		dwg no	code
E	V06-0492	DCH	2006-05-23	enrg	J. VOLSTORF	2001-10-24	scale		A	213
F	V06-0868	DCH	2006-08-29	chr	J. VOLSTORF	2001-10-24	2:1			sheet
G	V07-0176	DCH	2007-04-17	appd	J. VOLSTORF	2001-10-24				1 of 5
sheet index	revision sheet	J	J	J	J	J				
		1	2	3	4	5				



PRODUCT NUMBER
SEE SHEET 1

PRESS-FIT HOLES	OPTION 1	OPTION 2
HOLE DIAMETER AFTER PLATING	0.45-0.55	0.48-0.57
DRILLED HOLE	0.60±0.02	0.60±0.02
COPPER PLATING	0.025 MIN-0.050 MAX.	0.025 MIN-0.050 MAX.
SnPb PLATING	0.005-0.015	---



RECOMMENDED PCB HOLE PATTERN
(COMPONENT SIDE)
SEE NOTE 11

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	projection	COPY	title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.	product family METRAL 4000
J					0.XX ±0.13				
					.XXX ±.051				
				angles	0° ±2°	MM scale 2:1	A	size 55004	code 213 sheet 2
				dr	E. KROPER. 2001-10-24				
				enr	J. VOLSTORF 2001-10-24				
				chr	J. VOLSTORF 2001-10-24	scale 2:1	A	55004	213 2
				appd	J. VOLSTORF 2001-10-24				
sheet index	revision sheet								

cage code 22526

Pro/E

PDM: Rev:J

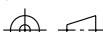
STATUS: Released Printed: May 13, 2011

PRODUCT NUMBER

SEE SHEET 1

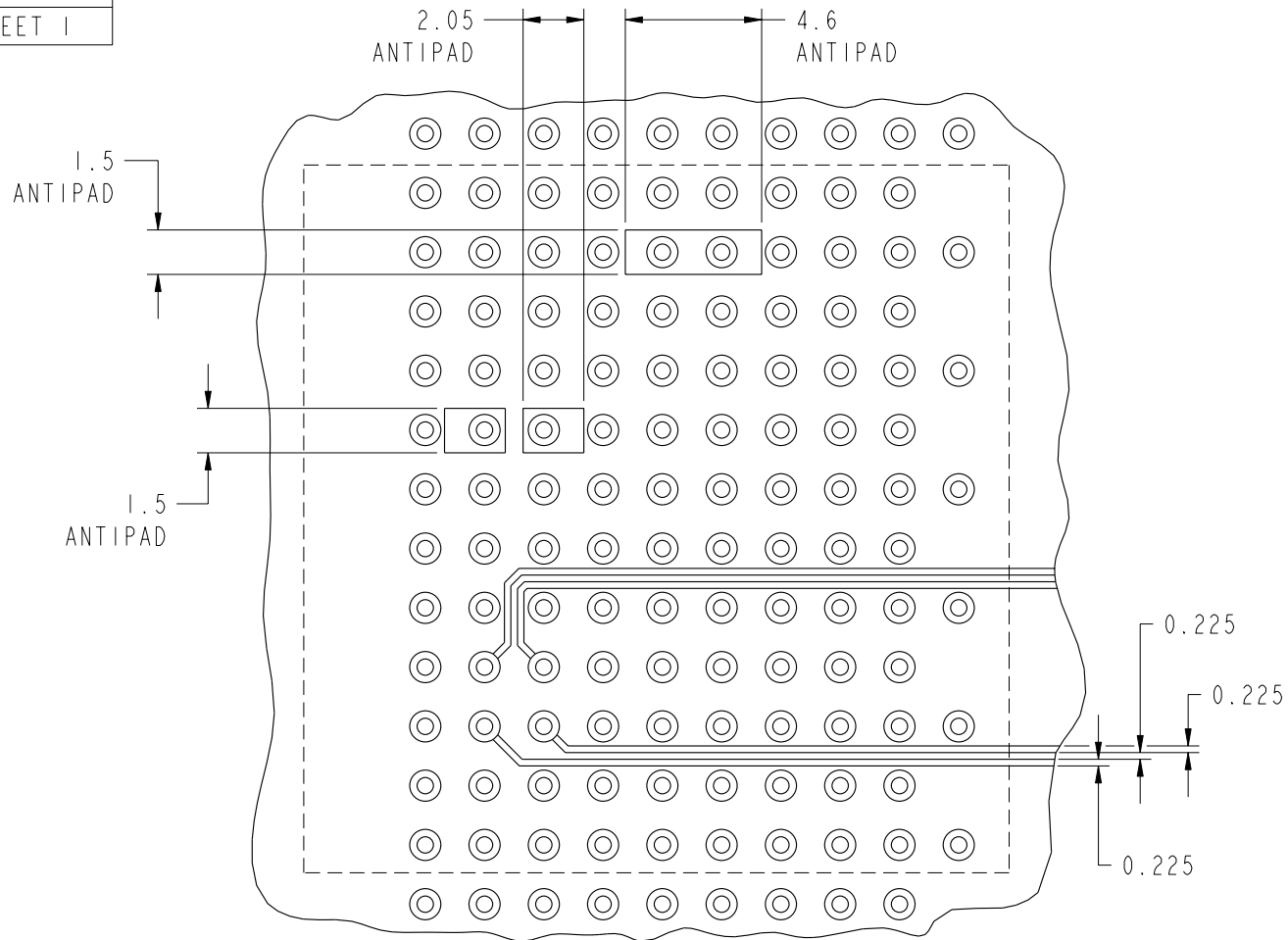
NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-014 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURE AND PRODUCT OFFERINGS. SEE PRODUCT SPECIFICATION GS-12-185.
2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5, 1994
3. HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RETARDANT PER UL 94-V0.
PIN MATERIAL: PHOSPHOR BRONZE
GROUND SPRING MATERIAL: PHOSPHOR BRONZE
STRIPLINE SHIELD MATERIAL: PHOSPHOR 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.
FOR USE WITH METRAL 4000 RECEPTACLES.
DIM A : 5.00mm MIN, 6.50mm MAX FOR ROWS A,B,D,E,G,H
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS C-F
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROWS GND
FOR USE WITH METRAL 1000 RECEPTACLES
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A,B,C,D,E,F,G,H
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND
6. THE MIN PCB THICKNESS FOR FRONT PLUG-UP APPLICATIONS IS 1.6mm.
7. 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.
8. CURRENT RATING : 1 AMP PER PIN
9. TEMPERATURE RANGE : -55°C TO +105°C
10. P/N 55004-X02ZZZLF
LEAD FREE (OPTIONAL)
SPECIAL LOAD PATTERN
NUMBER MODULES
PLATING CODE
11. AVOID TRACES ON TOP OF BOARD DUE TO EXPOSED GROUND SHIELDS.
12. FOR FRONT PLUG-UP APPLICATIONS, THE EVEN NUMBERED PINS IN ROW "C" AND "F" CAN BE USED FOR POWER AS WELL AS FOR GROUND. IF THE SURROUNDING PINS ARE NOT USED FOR POWER, THEN EACH PIN CAN CARRY 3 AMPS. IF THE SURROUNDING PINS ARE USED FOR POWER, THEN EACH PIN CAN CARRY 1 AMP. WHEN THE SURROUNDING PINS ARE USED ONLY FOR LOW SPEED SIGNALS, THEN THE EVEN NUMBERED "C" AND "F" ROW PINS CAN ALSO BE USED FOR LOW SPEED SIGNALS.
13. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
14. THE PRODUCTS WHERE THE PART NUMBER ENDS IN 'LF' MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY 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.
15. FOR LEAD FREE PART NUMBERS, ADD AN 'LF' SUFFIX. EXAMPLE: 55004-X02002LF.
16. EQUIVALENT PRECIOUS METAL PLATING MAY BE SUBSTITUTED.

mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER		 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.			
J					0. XX ±0. 13		projection					
					. XXX ±.051							
				angles	0° ±2°		 MM scale 2:1		product family METRAL 4000		code	
				dr	E. KROPER.	2001-10-24			size	dwg no	213	
				enrg	J. VOLSTORF	2001-10-24			A		55004	sheet 3
				chr	J. VOLSTORF	2001-10-24						
				appd	J. VOLSTORF	2001-10-24						
sheet index	revision sheet											

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PRODUCT NUMBER
SEE SHEET 1



RECOMMENDED TRACK AND ANTIPAD DIMENSIONS
SCALE 4:1

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.
J					0.XX ±0.13				
					.XXX ±.051				
				angles	0° ±2°	MM scale 2:1	product family METRAL 4000	code 213	sheet 4
				dr	E. KROPER. 2001-10-24				
				enr	J. VOLSTORF 2001-10-24				
				chr	J. VOLSTORF 2001-10-24	A	size 55004	sheet 4	sheet 4
				appd	J. VOLSTORF 2001-10-24				
sheet index	revision sheet								

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