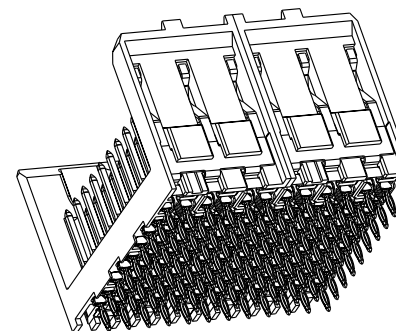
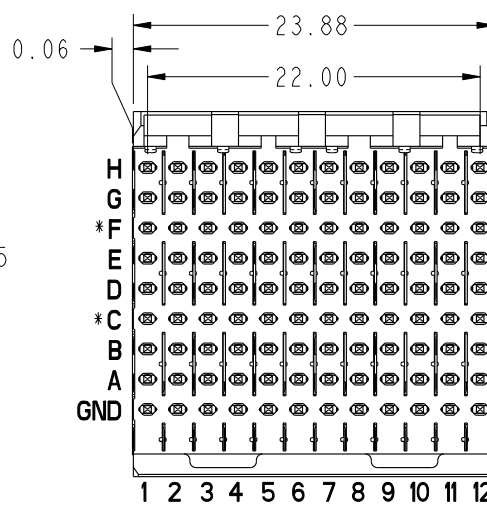
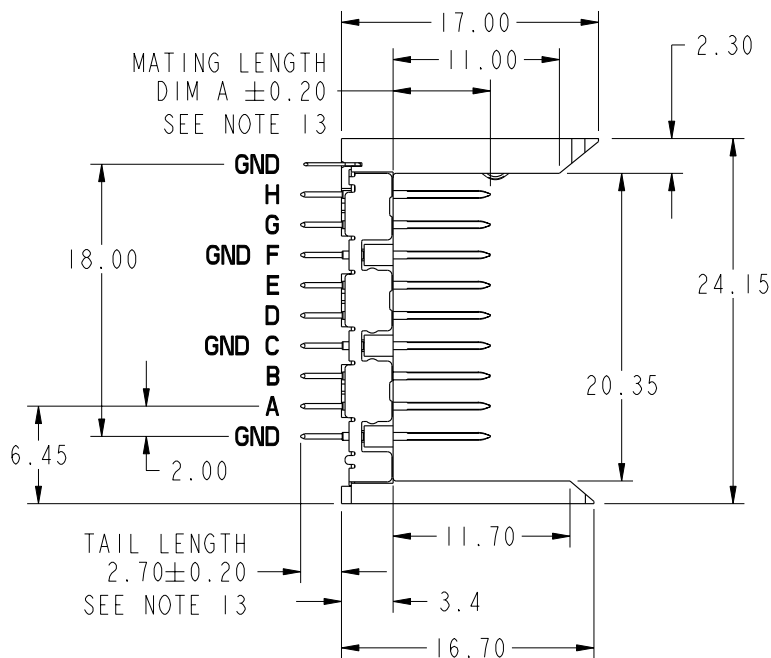
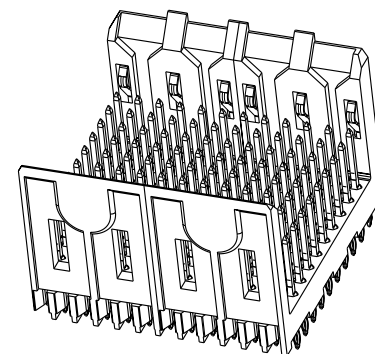
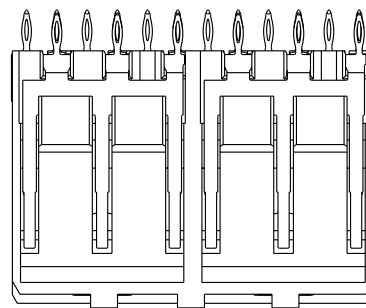


PRODUCT NUMBER	PLATING PERFORMANCE LEVEL	PRESS FIT TAIL PLATING
55004-102ZZZ	TELCORDIA CO	STANDARD
55004-102ZZZLF		LEAD FREE
55004-502ZZZ	TELCORDIA UE	STANDARD
55004-502ZZZLF		LEAD FREE



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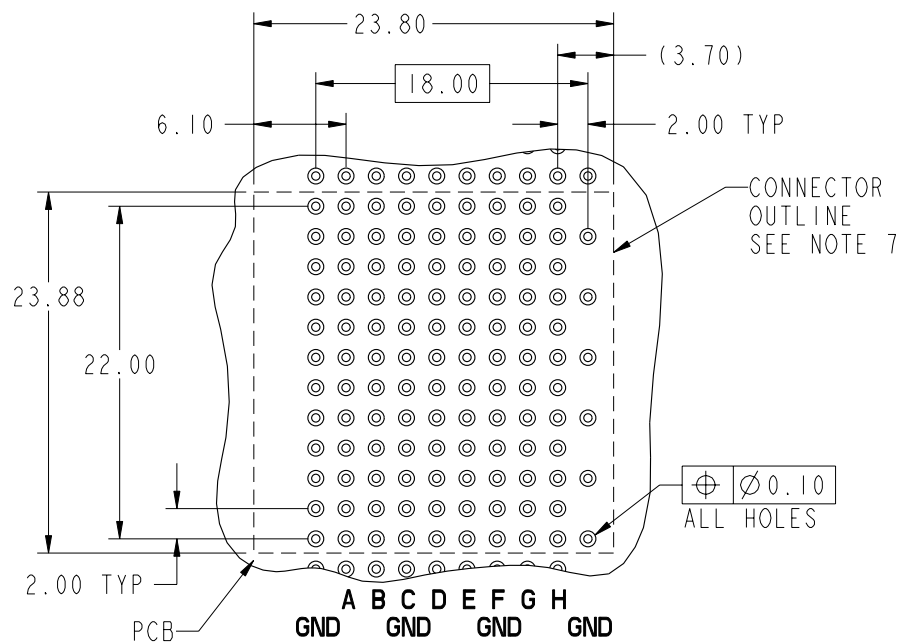
**\*ROW C AND F INFORMATION**

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	FCI www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	title		
H	V07-0686	HTB	2007-11-19	linear	0.XX ±0.13	projection	VERTICAL SIGNAL HDR 8 ROW		
J	V08-0039	HTB	2008-01-25	angles	.XXX ±0.051		P.F. 96 POS. SPECIAL LOAD STD.		
-	-	-	-	angles	0° ±2°		product family	METRAL 4000	code
D	V05-0771	VS	2005-09-06	dr	E. KROPER. 2001-10-24	MM	size	dwg no	213
E	V06-0492	DCH	2006-05-23	enrg	J. VOLSTORF 2001-10-24		scale	A	55004
F	V06-0868	DCH	2006-08-29	chr	J. VOLSTORF 2001-10-24	2:1			1 of 5
G	V07-0176	DCH	2007-04-17	appd	J. VOLSTORF 2001-10-24				
sheet index	revision sheet	J	J	J	J	J	cage code		
		1	2	3	4	5	22526		4

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

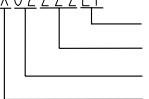
mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER		FCj www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection	title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SPECIAL LOAD STD.		
J					0.XX ±0.13	MM				product family METRAL 4000	code 213
					.XXX ±.051	2:1					
				angles	0° ±2°	scale		dwg no 55004	cage code 22526		
				dr	E. KROPER. 2001-10-24					A	4
				enrg	J. VOLSTORF 2001-10-24						
				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

NOTES:


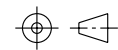

1. SEE APPLICATION SPECIFICATION GS-20-014 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURE AND PRODUCT OFFERINGS. SEE PRODUCT SPECIFICATION GS-12-185.
2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5, 1994
3. HOUSING 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.

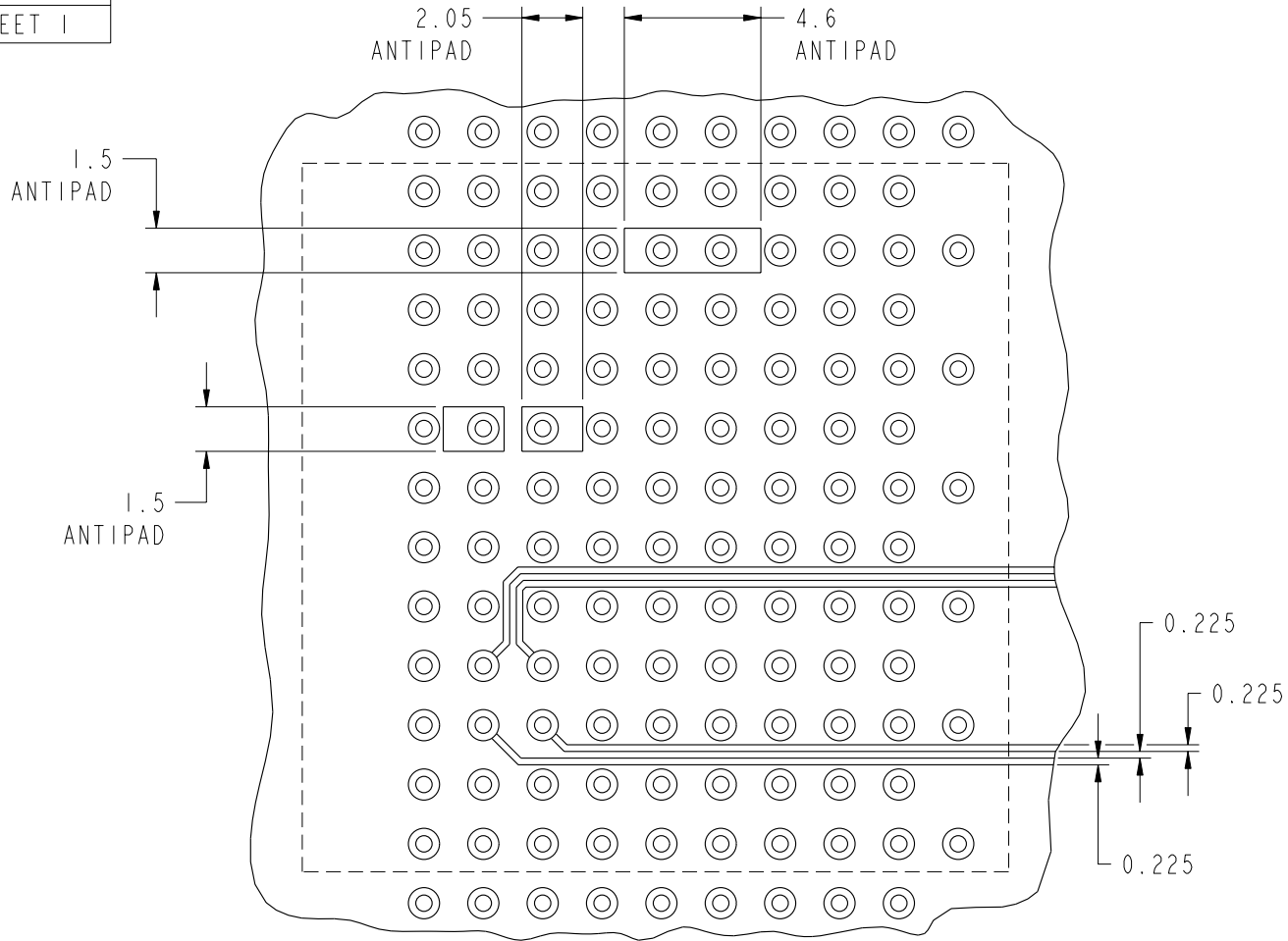


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mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY		title	
J				angles	0.XX ±0.13	projection		VERTICAL SIGNAL HDR 8 ROW	
					.XXX ±.051			P.F. 96 POS. SPECIAL LOAD STD.	
					0° ±2°			product family METRAL 4000 code	
				dr	E. KROPER. 2001-10-24	scale		size	
				enr	J. VOLSTORF 2001-10-24	2:1		dwg no	
				chr	J. VOLSTORF 2001-10-24	A		55004	
				appd	J. VOLSTORF 2001-10-24			sheet	
sheet index		revision sheet						3	
								3	

cage code 22526 4

PRODUCT NUMBER  
SEE SHEET 1



RECOMMENDED TRACK AND ANTIPAD DIMENSIONS  
SCALE 4:1

mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER	FCj www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	title	
J					0.XX ±0.13	projection	VERTICAL SIGNAL HDR 8 ROW	
				angles	.XXX ±.051		P.F. 96 POS. SPECIAL LOAD STD.	
					0° ±2°	MM	product family	METRAL 4000
				dr	E. KROPER. 2001-10-24	← MM →	code	213
				enr	J. VOLSTORF 2001-10-24	scale	size	dwg no
				chr	J. VOLSTORF 2001-10-24	2:1	A	55004
				appd	J. VOLSTORF 2001-10-24		sheet	4
sheet index	revision sheet						cage code	22526

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1 | 2

3 |

4

PRODUCT #	SPECIAL LOAD PATTERN	
	ROW	PIN CODES
55004-X02002 SEE NOTE 15 LEAD FREE OPTION	H	03
	G	
	F	
	E	
	D	
	C	
	B	
	A	
	GND	02

DIM A	PIN CODES
5.00	01
5.75	02
6.50	03
7.25	04
8.00	*19

\* CURRENTLY NOT AVAILABLE



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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°				
				dr	E. KROPER.	2001-10-24	MM		product family
				enr	J. VOLSTORF	2001-10-24	← MM →		code
				chr	J. VOLSTORF	2001-10-24	scale		size
				appd	J. VOLSTORF	2001-10-24	1:1		dwg no
sheet	revision						A		55004
index	sheet								213
									5

A

A

B

B

1 | 2

Pro/E

3 |

cage code 22526

4