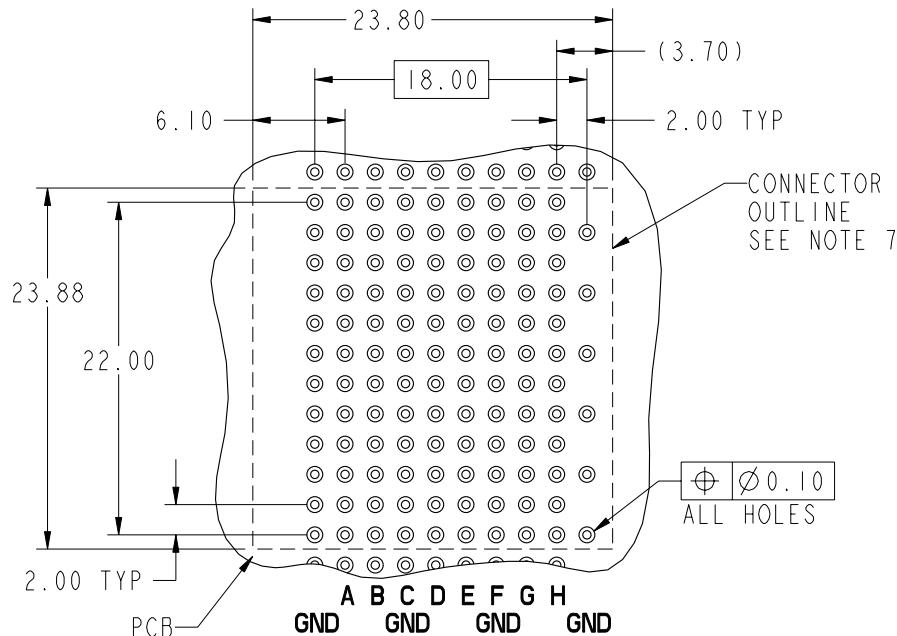


PRODUCT NUMBER
SEE SHEET 1

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 COPY	title	product family	code
ltr	ecn no.	dr	date	linear	0. X ± 0.3	projection	MM				
J					0. XX ± 0.13				VERTICAL SIGNAL HDR 8 ROW P. F. 96 POS. SPECIAL LOAD STD.	METRAL 4000	213
					.XXX ± .051						
				angles	0° ± 2°		scale				
					dr	E. KROPER, 2001-10-24					
					engr	J. VOLSTORF 2001-10-24					
					chr	J. VOLSTORF 2001-10-24					
					appd	J. VOLSTORF 2001-10-24					
				sheet	revision						
				index	sheet						

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PRODUCT NUMBER
SEE SHEET I

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

mat'l code	SEE NO
ltr	ecn no.
J	



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8



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.

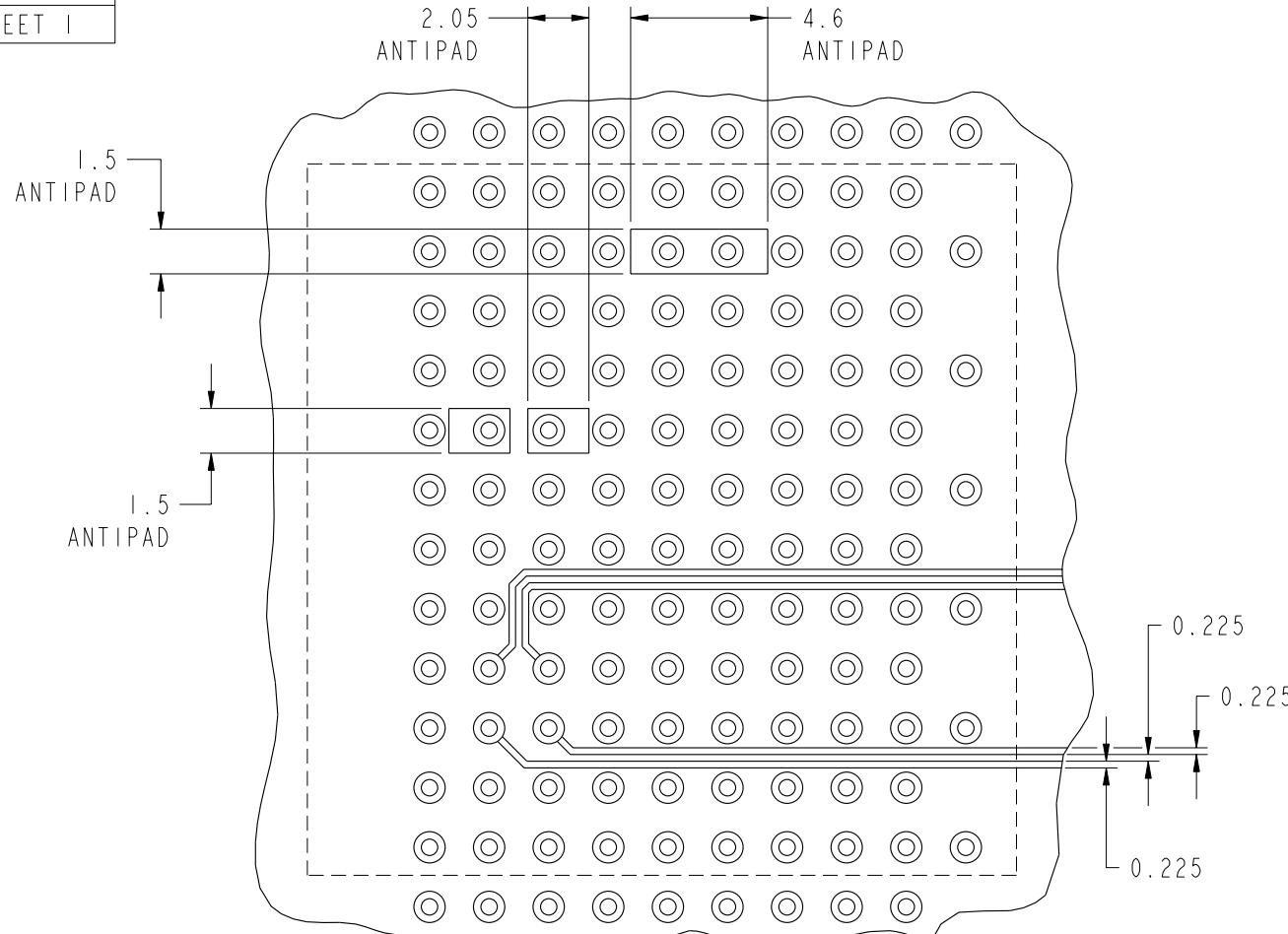
(16.) EQUIVALENT PRECIOUS METAL PLATING MAY BE SUBSTITUTED.

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

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 COPY	projection	title	www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0. X ±0. 3	0. XX ±0. 13	. XXX ±. 051	0° ±2°					
J				angles	dr	E. KROPER.	2001-10-24	engr	J. VOLSTORF	2001-10-24	chr	J. VOLSTORF	2001-10-24
					engr	J. VOLSTORF	2001-10-24	chr	J. VOLSTORF	2001-10-24	oppd	J. VOLSTORF	2001-10-24
					scale								
					sheet	revision							
					index	sheet							



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