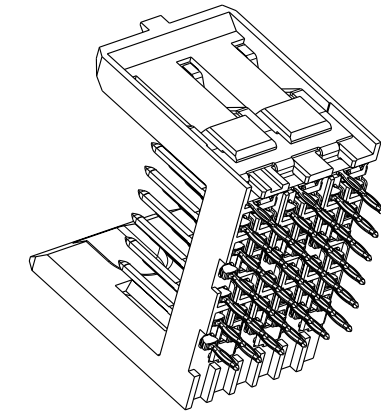
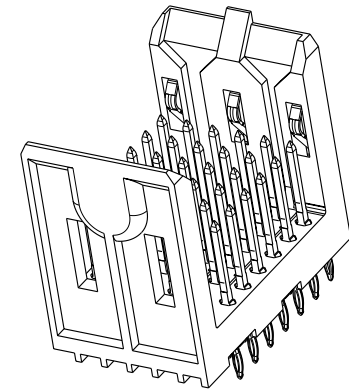
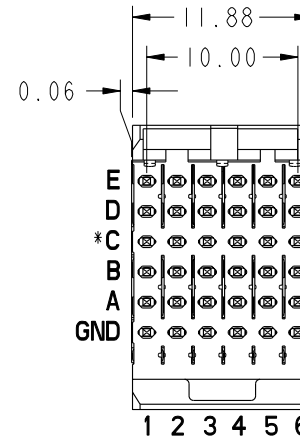
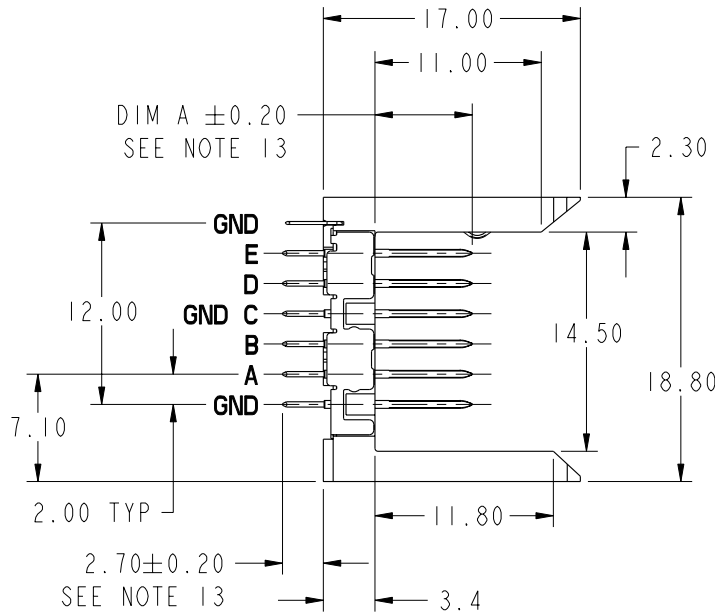




PRODUCT NUMBER	PLATING PERFORMANCE LEVEL	APPLICATION
59569-101ZZZ	TELCORDIA CO	STANDARD
59569-101ZZZLF	TELCORDIA CO	LEAD FREE
59569-501ZZZ	TELCORDIA UE	STANDARD
59569-501ZZZLF	TELCORDIA UE	LEAD FREE



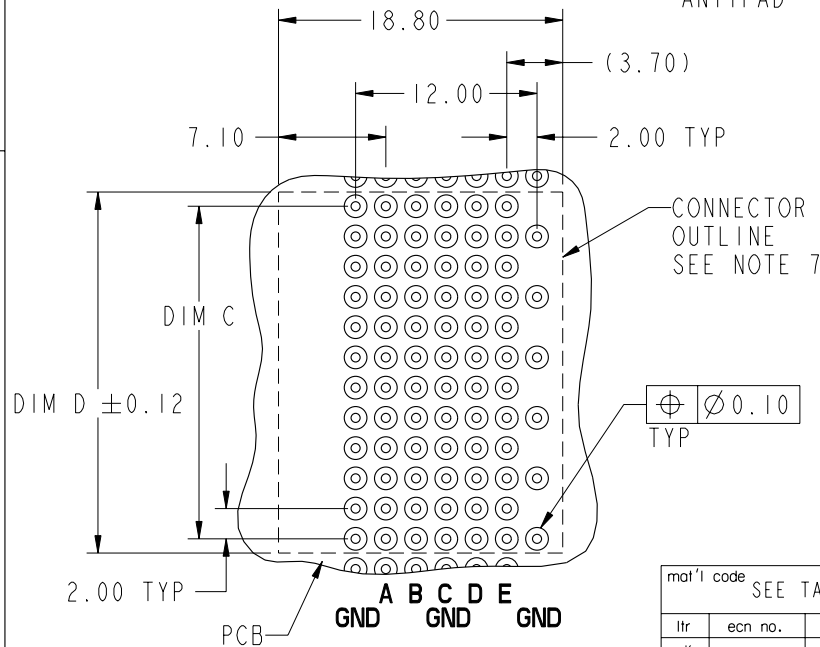
**\*ROW C INFORMATION**  
ODD NUMBER COLUMNS WITHIN ROW C ARE COMMONED  
TO GROUND INTERNALLY WITHIN THE HOUSING. THE  
EVEN NUMBER COLUMNS WITHIN ROW C ARE NOT.  
FOR MAXIMUM PERFORMANCE IT IS RECOMMENDED THESE  
EVEN COLUMNS BE GROUND COMMONED WITHIN PCB.  
SEE NOTE 12

mat'l code SEE TABLE				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY projection		title VERTICAL SIGNAL HDR. 5 ROW P.F. 30 POS. SPECIAL LOAD EXT.	
H	V06-0868	DCH	2006-08-29		0.XX ±0.13				
J	V07-0171	DCH	2007-03-29		.XXX ±.051				
K	V07-0699	HTB	2007-12-03	angles	0° ±2°	MM scale 2:1		product family	METRAL 4000
-	-	-	-	dr	C. DAILY	2002-01-16		size	dwg no
E	V03-0450	TAB	2003-05-01	enrg	J. VOLSTORF	2001-10-25		A	59569
F	V05-0191	DAI	2005-05-15	chr	J. VOLSTORF	2002-01-16	sheet 1 of 4	code 213	
G	V06-0498	DCH	2006-05-24	appd	J. VOLSTORF	2002-01-16			
sheet index	revision sheet	K	K	K	K				
		1	2	3	4				

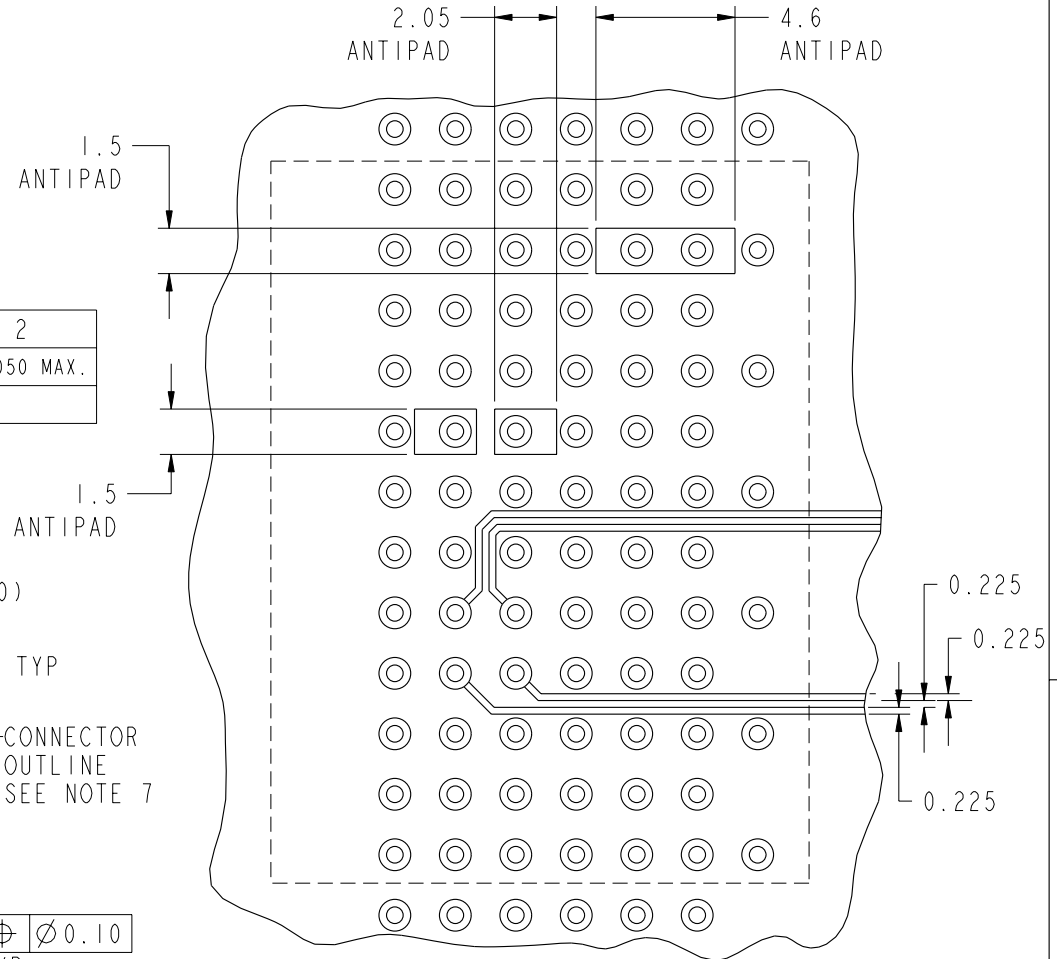


PRODUCT NUMBER  
SEE SHEET 1

PRESS-FIT HOLES	OPTION 1	OPTION 2
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



**RECOMMENDED TRACE AND ANTIPAD DIMENSIONS**  
SCALE 4:1

mat'l code SEE TABLE				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0. X ±0.3	COPY		title	
K					0. XX ±0.13	projection		VERTICAL SIGNAL HDR. 5 ROW	
				angles	.XXX ±0.051			P.F. 30 POS. SPECIAL LOAD EXT.	
					0° ±2°				
				dr	C. DAILY 2002-01-16	MM		product family METRAL 4000	
				enrg	J. VOLSTORF 2001-10-25	scale 2:1		code 213	
				chr	J. VOLSTORF 2002-01-16			sheet 2	
				appd	J. VOLSTORF 2002-01-16				
sheet index	revision sheet							cage code 22526	

PRODUCT NUMBER

SEE SHEET 1




## NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-014 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS. SEE PRODUCT SPECIFICATION GS-12-184.
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 ON CONTACT AREA OF PIN PER PERFORMANCE LEVEL, SEE SHEET 1. PLATING ON "LF" TAILS IS Sn ONLY, ALL OTHERS ARE TIN-LEAD.
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  
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  
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 59569-X01ZZZLF



11. AVOID TRACES ON TOP OF BOARD DUE TO EXPOSED GROUND SHIELD.
  12. FOR FRONT PLUG-UP APPLICATIONS, THE EVEN NUMBERED PINS IN ROW "C" CAN BE USED FOR POWER AS WELL AS 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" ROW PINS CAN ALSO BE USED FOR LOW SPEED SIGNALS.
  13. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
  14. PRODUCTS WHERE THE PART NUMBERS ENDS IN LF MEET THE 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.
15. FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX, EXAMPLE: 59569-X0100ILF.
  16. EQUIVALENT PRECIOUS METAL PLATING MAY BE SUBSTITUTED.

mat'l code SEE TABLE				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com				
ltr	ecr no.	dr	date	linear	0. X ±0.3		COPY		title VERTICAL SIGNAL HDR. 5 ROW P.F. 30 POS. SPECIAL LOAD EXT.			
K					0. XX ±0. 13		projection					
					. XXX ±.051							
				angles	0° ±2°		 MM scale 2:1		product family METRAL 4000		code	
				dr	C. DAILY	2002-01-16			size	dwg no	213	
				enrg	J. VOLSTORF	2001-10-25			A		59569	sheet 3
				chr	J. VOLSTORF	2002-01-16						
				appd	J. VOLSTORF	2002-01-16						
sheet index	revision sheet											

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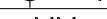


## SPECIAL LOAD PATTERNS

PRODUCT #	ROW	PIN CODES
59569-X01001	E	02
	D	
	C	
59569-X01001LF SEE NOTE 15	B	
	A	
	GND	
59569-X01002	E	03
	D	
	C	
59569-X01002LF SEE NOTE 15	B	
	A	
	GND	04

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

\* CURRENTLY NOT AVAILABLE

mat'l code SEE TABLE				tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com												
ltr	ecn no.	dr	date	linear	0.X ±0.3				COPY				title VERTICAL SIGNAL HDR. 5 ROW P.F. 30 POS. SPECIAL LOAD EXT.											
K					0.XX ±0.13				projection															
					.XXX ±.051																			
				angles	0° ±2°				 scale 2:1				product family METRAL 4000				code 213							
				dr	C. DAILY 2002-01-16								size				dwg no				sheet 4			
				enrg	J. VOLSTORF 2001-10-25																			
				chr	J. VOLSTORF 2002-01-16																			
				appd	J. VOLSTORF 2002-01-16																			
sheet index		revision sheet																						

cage code 22526

Pro/E

3

4

PDM: Rev:K

STATUS: Released

Printed: May 13, 2011

# Mouser Electronics

Authorized Distributor

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