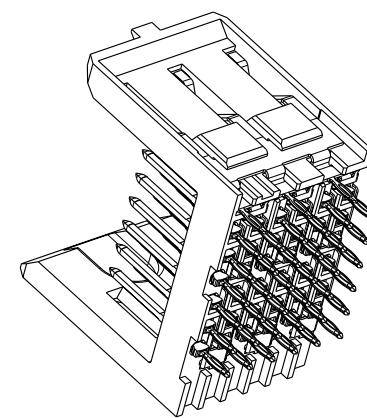
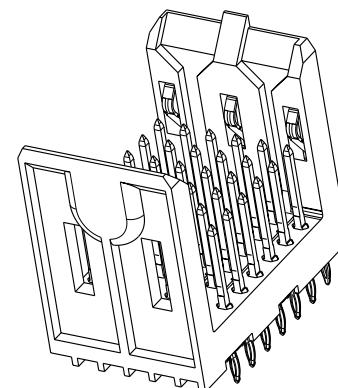
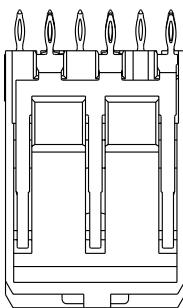


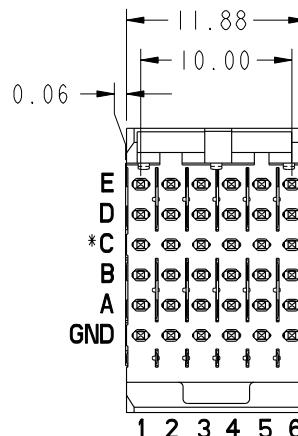
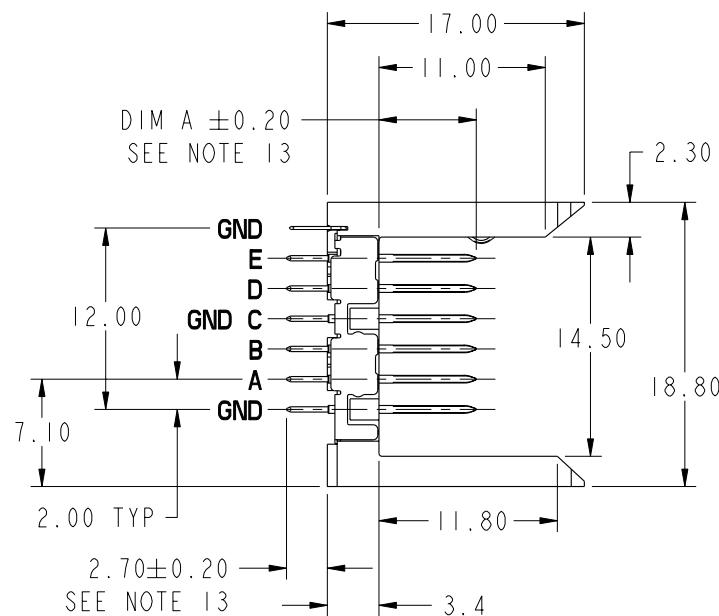
PRODUCT NUMBER	PLATING PERFORMANCE LEVEL	APPLICATION
59569-10IZZZ	TELCORDIA CO	STANDARD
59569-10IZZZLF	TELCORDIA CO	LEAD FREE
59569-50IZZZ	TELCORDIA UE	STANDARD
59569-50IZZZLF	TELCORDIA UE	LEAD FREE



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



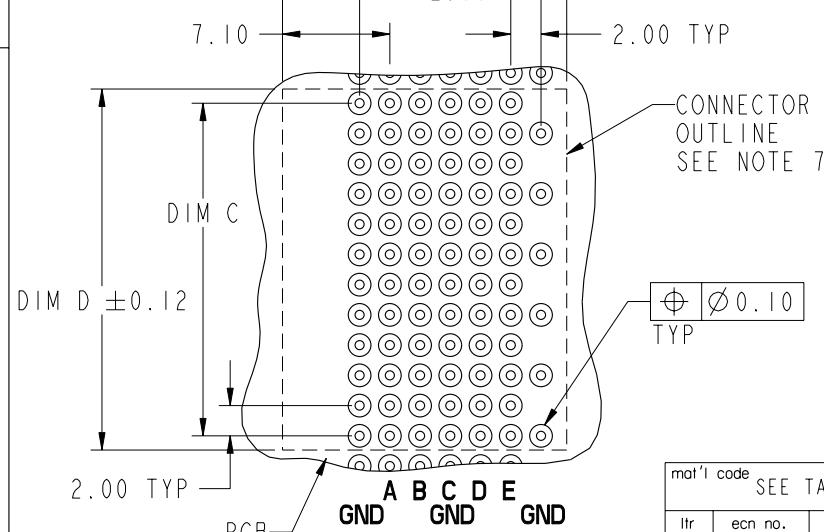
PRODUCT NUMBER  
SEE SHEET 1

1 | 2

3 |

4

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

mat'l code				SEE TABLE		tolerances unless otherwise specified		CUSTOMER COPY	FCI	www.fciconnect.com
ltr	ecn no.	dr	date			linear	0. X ± 0.3			
K							0. XX ± 0.13	projection	title	VERTICAL SIGNAL HDR. 5 ROW P.F. 30 POS. SPECIAL LOAD EXT.
							.XXX ± .051			
							0° ± 2°			
		dr	C. DAILY	2002-01-16				MM	product family	METRAL 4000
		engr	J. VOLSTORF	2001-10-25					code	213
		chr	J. VOLSTORF	2002-01-16				scale	size	dwg no
		oppd	J. VOLSTORF	2002-01-16				2:1	A	59569
	sheet	revision								
	index	sheet								

1 | 2

Pro/E

3 |

cage code

22526

4

PDM: Rev:K

STATUS: Released

Printed: May 13, 2011

PRODUCT NUMBER  
SEE SHEET 1

## NOTES:

NOTE:

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-VO.  
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

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B

Pro/E

3

cage code 22526

526 4



II. 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 260C° 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-X01001LF

#### 16. EQUIVALENT PRECIOUS METAL PLATING MAY BE SUBSTITUTED.

mat'l code SEE TABLE				tolerances unless otherwise specified		CUSTOMER		 <a href="http://www.fciconnect.com">www.fciconnect.com</a>	
ltr	ecn no.	dr	date	0. X $\pm$ 0.3		COPY			
K				0. XX $\pm$ 0.13				title: VERTICAL SIGNAL HDR. 5 ROW P.F. 30 POS. SPECIAL LOAD EXT.	
				0. XXX $\pm$ 0.051					
				0° $\pm$ 2°					
			dr	C. DAILY	2002-01-16			product family: METRAL 4000 size: dwg no	
			engr	J. VOLSTORF	2001-10-25				
			chr	J. VOLSTORF	2002-01-16			code: 213 sheet: 3	
			appd	J. VOLSTORF	2002-01-16				
sheet		revision							
index		sheet							

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

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

\* CURRENTLY NOT AVAILABLE

SEE TABLE				tolerances unless otherwise specified		CUSTOMER COPY	title	www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.0 ±0.3			
K					0.00 ±0.13	projection	VERTICAL SIGNAL HDR. 5 ROW	
					.XXX ±.051		P.F. 30 POS. SPECIAL LOAD EXT.	
				angles	0° ±2°			
				dr	C. DAILY 2002-01-16	MM	product family	METRAL 4000
				engr	J. VOLSTORF 2001-10-25		code	213
				chr	J. VOLSTORF 2002-01-16	scale	size	dwg no
				appd	J. VOLSTORF 2002-01-16	2:1	A	59569
	sheet	revision					sheet	4
	index	sheet						

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Authorized Distributor

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[59569-101001LF](#) [59569-101002LF](#) [59569-101001](#) [59569-101002](#)