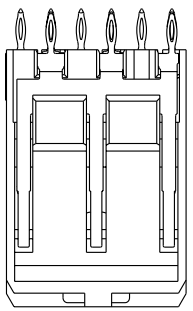
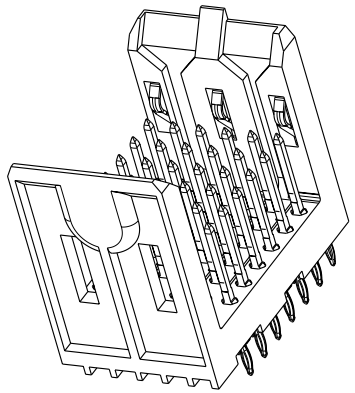
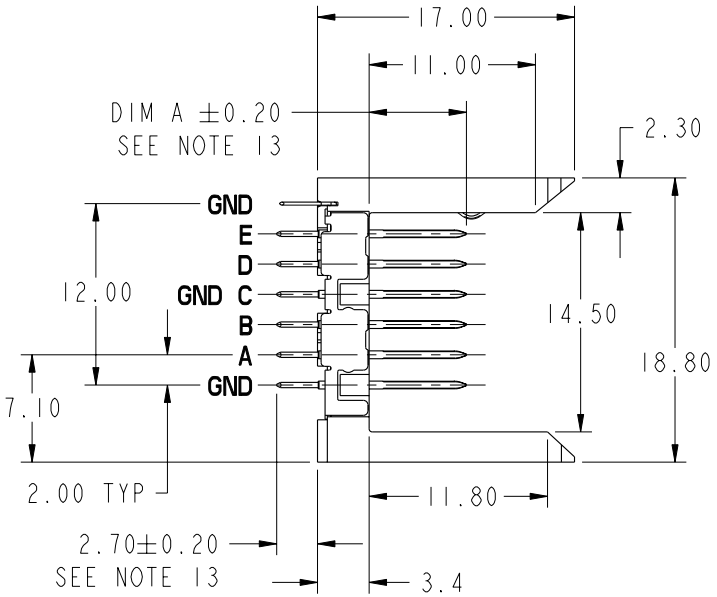
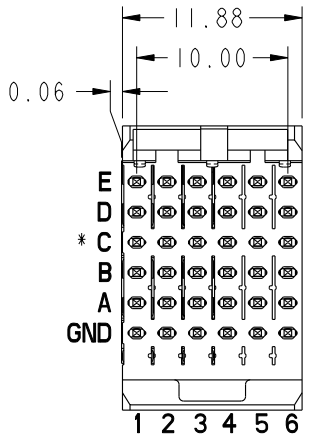
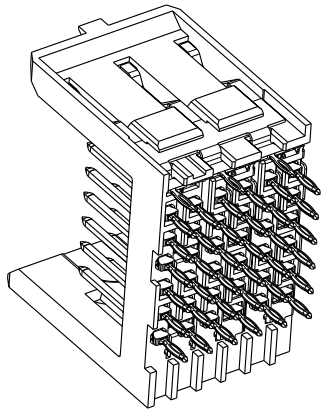
PRODUCT NUMBER	PLATING PERFORMANCE LEVEL	APPLICATION
59567-1YYY	TELCORDIA CO	STANDARD
59567-1YYYLF		LEAD FREE
59567-5YYY	TELCORDIA UE	STANDARD
59567-5YYYLF		LEAD FREE











*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

ltr	ecn no.	dr	date			
H	V06-0115	LP	2006/04/21			
J	V07-0188	DCH	2007-04-24			
K	V07-0696	HTB	2007-11-28			
-	-	-	-	dr	E. KROPER.	2001-10-25
E	V05-0191	DAI	2005-04-15	engr	J. VOLSTORF	2001-10-25
F	V05-0722	TAB	2005-08-04	chr	J. VOLSTORF	2001-10-25
G	V06-0335	LP	2006-04-11	appd	J. VOLSTORF	2001-10-25

sheet index	revision sheet																			
		K	K	K	K															
		1	2	3	4															

mat'l code SEE TABLE

tolerances unless otherwise specified

linear: 0.X ±0.3; 0.XX ±0.13; .XXX ±.051

angles: 0° ±2°

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projection

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scale 2:1

FCI www.fciconnect.com

title: VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD EXT.

product family METRAL 4000 | code 213

size A | dwg no 59567 | sheet 1 of 4

cage code 22526

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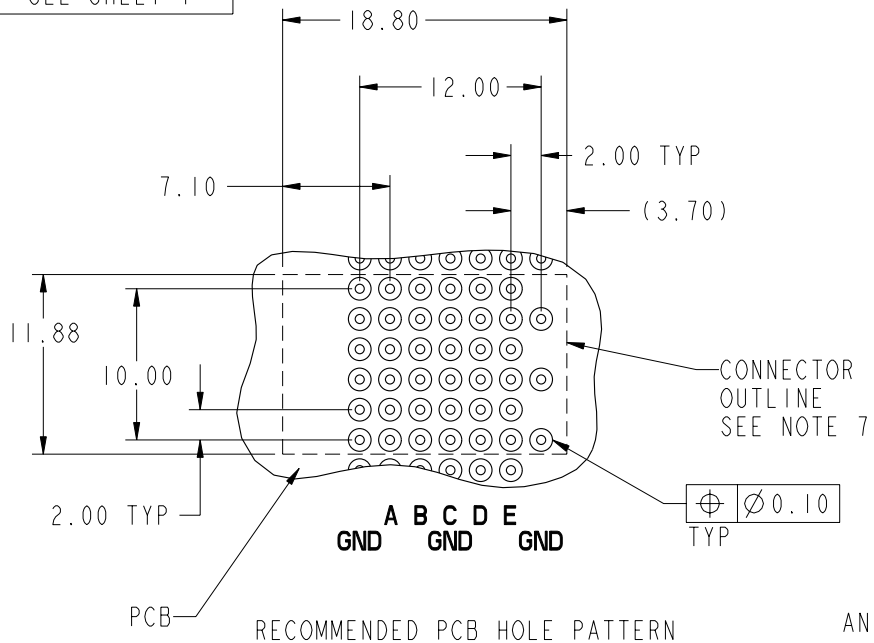
REV E - 2006-04-18

Pro/E

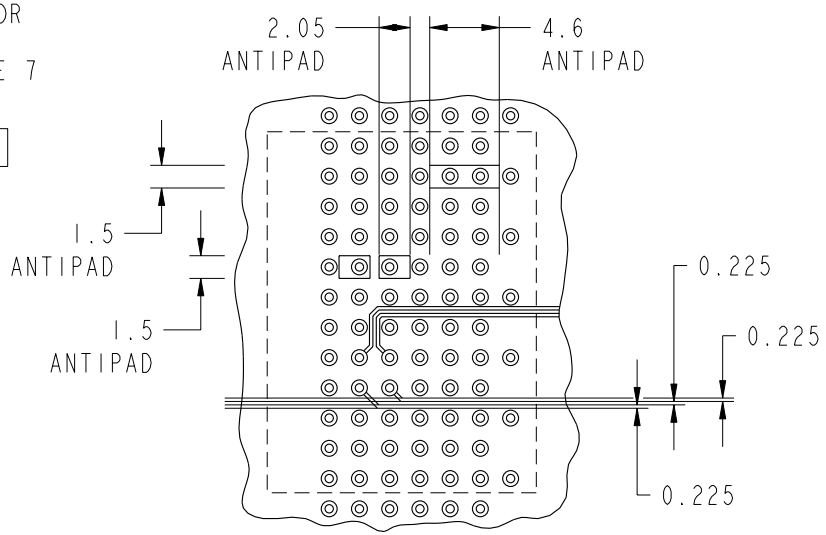
PDM: Rev:K STATUS: Released Printed: May 13, 2011

PRODUCT NUMBER
SEE SHEET 1



RECOMMENDED PCB HOLE PATTERN
COMPONENT SIDE
SEE NOTE 11

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 TRACK AND ANTIPAD DIMENSIONS
SCALE 2:1

mat'l code	SEE TABLE			tolerances unless otherwise specified			CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date				COPY	
K				linear	0.X ±0.3		projection	title VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD EXT.
					0.XX ±0.13			
					.XXX ±.051			
				angles	0° ±2°			
				dr	E. KROPER.	2001-10-25	MM	product family METRAL 4000 code 213
				engr	J. VOLSTORF	2001-10-25		
				chr	J. VOLSTORF	2001-10-25	scale 2:1	size A dwg no 59567 sheet 2
				appd	J. VOLSTORF	2001-10-25		
sheet index	revision sheet							cage code 22526

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REV E - 2006-04-18

Pro/E

PDM: Rev:K 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 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 INFORMATION: PLATING ON CONTACT AREAS MEETS PERFORMANCE LEVELS SHOWN IN TABLE ON 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 59567-XYYYLF
    - LEAD FREE (OPTIONAL)
    - SELECT LOAD PATTERN
    - PLATING CODE

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. THE PRODUCTS WHERE THE PART NUMBER 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: 59567-X001LF

16. EQUIVALENT PRECIOUS METAL PLATINGS MAY BE SUBSTITUTED.

ltr	ecn no.	dr	date
K			

sheet index	revision sheet

mat'l code	SEE TABLE		
tolerances unless otherwise specified			
linear	0.X ±0.3		
	0.XX ±0.13		
	.XXX ±.051		
angles	0° ±2°		
dr	E. KROPER.	2001-10-25	
engr	J. VOLSTORF	2001-10-25	
chr	J. VOLSTORF	2001-10-25	
appd	J. VOLSTORF	2001-10-25	

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title: VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD EXT.

product family: METRAL 4000 | code: 213

size: A | dwg no: 59567 | sheet: 3

cage code: 22526

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PDM: Rev:K STATUS: Released Printed: May 13, 2011

SELECT LOAD PATTERNS

PRODUCT #	ROW	COLUMN 1	2	3	4	5	6
59567-X002 59567-X002LF SEE NOTE 15	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	02	02	02	02	02	02
	B	02	02	02	02	02	02
	A	02	02	02	02	02	02
	GND	-	02	-	02	-	02

PRODUCT #	ROW	COLUMN 1	2	3	4	5	6
59567-X003 59567-X003LF SEE NOTE 15	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	03	03	03	03	03	03
	B	02	02	02	02	02	02
	A	03	03	02	02	02	02
	GND	02	02	02	02	02	02

PRODUCT #	ROW	COLUMN 1	2	3	4	5	6
59567-X004 59567-X004LF SEE NOTE 15	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	02	02	02	02	02	02
	B	02	02	02	02	02	02
	A	03	02	02	02	02	02
	GND	02	02	02	02	02	02

PRODUCT #	ROW	COLUMN 1	2	3	4	5	6
59567-X005 59567-X005LF SEE NOTE 15	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	03	03	03	03	03	03
	B	02	02	02	02	02	02
	A	03	02	02	02	02	02
	GND	02	02	02	02	02	02

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

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mat'l code SEE TABLE

ltr	ecn no.	dr	date
K			

tolerances unless otherwise specified

linear	0.X ±0.3	
	0.XX ±0.13	
	.XXX ±.051	
angles	0° ±2°	
dr	E. KROPER.	2001-10-25
engr	J. VOLSTORF	2001-10-25
chr	J. VOLSTORF	2001-10-25
appd	J. VOLSTORF	2001-10-25

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title VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD EXT.

product family METRAL 4000 | code 213

size A | dwg no 59567 | sheet 4

cage code 22526

sheet index | revision sheet

REV E - 2006-04-18

Pro/E

PDM: Rev:K STATUS: Released Printed: May 13, 2011

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

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http://moschip.ru/get-element

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