		2					3	4
PRODUCT NUMBER	MATING CONTACT AREA PLATING PERFORMANCE	SHROUD TO USE FOR REAR-PLUG- UP APPLICATIONS	CONNECTOR SIZE	PIN FIELD DIM C	LENGTH DIM D	PRESS FIT TAIL PLATING		
84881-101ZZZ 84881-101ZZZLF		84818-101 84818-101LF	- I MOD	10.00	11.88	STANDARD LEAD FREE	SEE DETAIL	$A - \backslash \begin{array}{c ccccccccccccccccccccccccccccccccccc$
84881-102ZZZ 84881-102ZZZLF	TELCORDIA CO	84818-102 84818-102LF	2 MOD	22.00	23.88	STANDARD LEAD FREE		
84881-103ZZZ 84881-103ZZZLF	- TELCONDIA CO	84818-103 84818-103LF	3 MOD	34.00	35.88	STANDARD LEAD FREE		
84881-104ZZZ 84881-104ZZZLF	_	84818-104 84818-104LF	4 MOD	46.00	47.88	STANDARD LEAD FREE		
84881-501ZZZ 84881-501ZZZLF	-	84818-101 84818-101LF	- I MOD	10.00	11.88	STANDARD LEAD FREE		
84881-502777 84881-502777LF 84881-503777	- TELCORDIA UE	84818-102 84818-102LF 84818-103	2 MOD	22.00	23.88	STANDARD LEAD FREE STANDARD		
84881 - 503ZZZLF 84881 - 504ZZZ	-	84818-103LF 84818-104	3 MOD	34.00	35.88	LEAD FREE STANDARD		
84881-504ZZZLF		84818-104LF	4 MOD	46.00	47.88	LEAD FREE		
RY information of FCI. no on this or of disclosed isent of FCI.	FROM LONGES FOR REAR PART NU	IMBERS 12.00		±0.20	- (11.8	14.50	.80	DIM "D" DIM "C" DIM
CONFIDENT No part of No part of No others Copyright F	DLE BAB CTION PRESS FI DETAIL A SCALE 4:I SEE NOTE 17		mat'1 code SEE Itr ecn no. M V06-0569 N V07-0179 P V08-0029 R V08-0131 K V04-0399 L V05-0806 sheet revisindex sheri	dr date DCH 2006-06- DCH 2007-04- HTB 2008-01- LP 2008-03 DAI 2004-05- VS 2005-09- sion R R	Otherwis	0. X ± 0. 3 0. XX ± 0. 13 .XXX ± .051 0° ± 2°	COPY ion title VERT P. I VIM product for	www.fciconnect.com TICAL SIGNAL HDR 5 ROW F. SPECIAL LOAD EXT. Damily METRAL 1000 code g no 213 Sheet 1 of 6
- 2006-04-18		2	, , , , , , , , , , , , , , , , , , , ,	Pro/			3 00	oge code 22526 4

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						B THICKNESS RANG TED BY PIN'S TA		
	PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	WHEN MATING METRAL 1000 SER			MATING TO A 52 4000 SERIES REC	
				ROWS A,B,C,D,E	GROUND ROW	ROWS:A,B,D,E	ROW C	GROUND ROW
Ī	0 *		4.30	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN
	22		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20
	30		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95
	05		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70
	35	5.00	14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45
	48		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20
ļ	40		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
	65		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
ļ	09		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10
	02*		4.30	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN
	44		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20
ŀ	31		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95
ŀ	0.6		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70
-	36	5.75	14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45
ŀ	49		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20
-	25		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
╡	66		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
ŀ	03*		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10
⋰	45		4.30	1.60 MIN 2.95 - 3.80	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN
1	32		12.20	2.95 - 4.55	2.95 - 4.20 3.25 - 4.95	2.95 - 3.80 2.95 - 4.55	2.95 - 3.80 2.95 - 4.55	2.95 - 4.20 3.25 - 4.95
ŀ	07		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70
ŀ	37	6.50	14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45
ŀ	50	0.00	15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20
ŀ	41		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
ŀ	24		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
İ	П		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10

* STUB PINS - NO REAR PLUG-UP

** THE GREATEST RANGE OCCURS WHEN THE B DIMENSION OF PIN 'GND' IS ONE SIZE SHORTER THEN THE OTHER PINS

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		DIM B	PCB THICKNESS RANGE ACCOMMODATED BY PIN LENGTH												
PIN NO.	IMA I ING		WHEN MATING METRAL 1000 SER			N MATING TO A 52 4000 SERIES REC									
			ROWS A,B,C,D,E	GROUND ROW	ROWS:A,B,D,E	ROW C	GROUND ROW								
04*		4.30	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN								
46		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20								
33		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95								
08		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70								
38	7.25	14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45								
51		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20								
42		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70								
67		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40								
12		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10								
19*		4.30	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN								
47		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20								
3.4		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95								
20		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70								
39	8.00	14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45								
52		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20								
43		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70								
68		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40								
21		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10								

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- * STUB PINS NO REAR PLUG-UP

 ** THE GREATEST RANGE OCCURS WHEN THE B DIMENSION OF PIN 'GND' IS ONE SIZE SHORTER THEN THE OTHER PINS.

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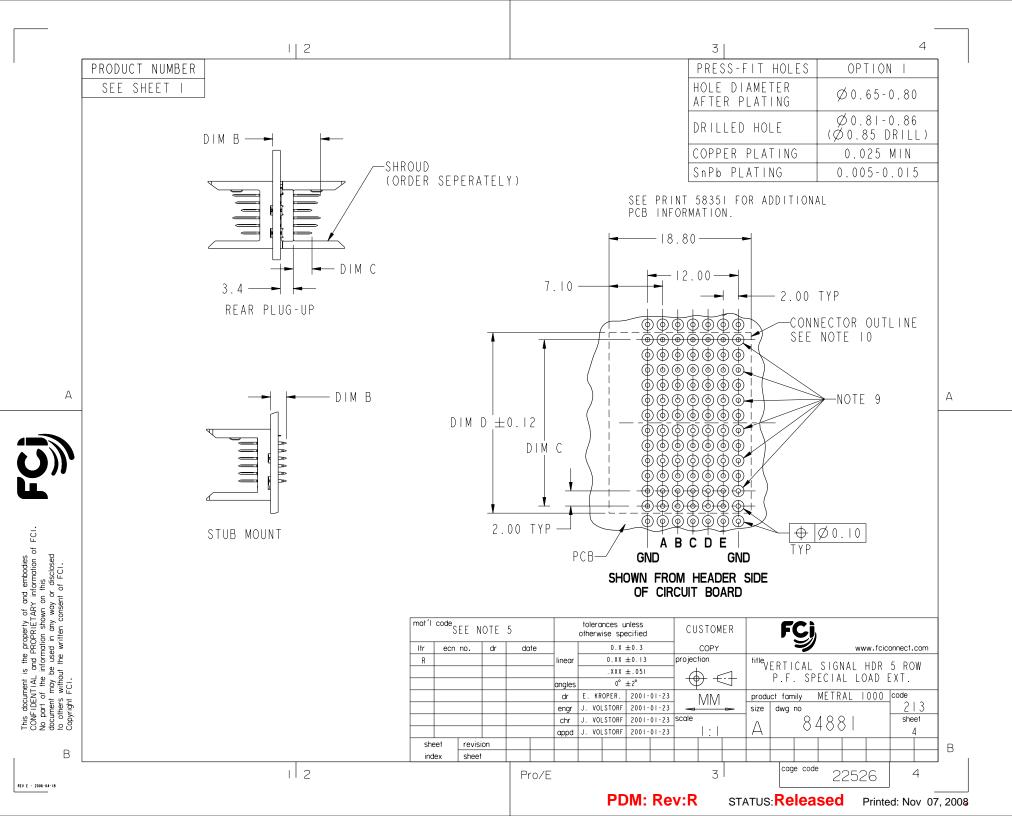
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SPECIAL LO)AD P	ATTERNS
PRODUCT #	ROW	PIN CODES
84881-XYY001 SEE NOTE 16 LEAD FREE OPTION	E D C B A GND	0
84881-XYY011 SEE NOTE 16 LEAD FREE OPTION	E D C B A GND	02
84881-XYY021 SEE NOTE 16 LEAD FREE OPTION	E D C B A GND	03
84881-XYY050 *RPU ** SEE NOTE 16 LEAD FREE OPTION	E D C B A	19
0111011	GND	02

PCB THICKNESS RANGE FOR REAR PLUG-UP APPLICATIONS: 2.95 TO 3.80

* REAR PLUG-UP PART NUMBERS

** CANNOT BE MATED WITH METRAL 4000 RECEPTACLE.

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						engr	J. V0I	I. VOLSTORF 2001-01-23			-	1 V 11 V 1	-	size	dwg	no				2	3		
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PRODUCT NUMBER SEE SHEET

NOTES:

- I. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING. CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS.
- 2. SEE FCI PUBLICATION 950511-028 FOR "ELECTRICAL PERFORMANCE DATA FOR DIFFERENTIAL APPLICATIONS."
- 3. SEE FCI PUBLICATION 950511-029 FOR "ELECTRICAL PERFORMANCE DATA FOR SINGLE-ENDED APPLICATION."
- 4. UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994
- HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RETARDANT PER UL 94-VO. PIN MATERIAL: PHOSPHER BRONZE GROUND SPRING MATERIAL: PHOSPHER BRONZE
- 6. PLATING INFORMATION: PLATING ON CONTACT AREA MEETS THE PERFORMANCE LEVELS AS SHOWN IN TABLE ON SHEET I. PLATING ON "LF" TAILS IS Sn, PLATING ON ALL OTHER TAILS IS SnPb.
- 7. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS FOR MATING WITH METRAL 1000 RECEPTACLES

DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A-E

DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A

DIM C : 5.00mm MIN, 8.00mm MAX FOR ROWS A-E DIM C: 4.60mm MIN. 6.30mm MAX FOR ROW GND NEXT TO ROW A

FOR MATING 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 ROW C

DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A

DIM C: 5.00mm MIN, 7.00mm MAX FOR ROWS A. B. D & E

DIM C : 5.00mm MIN. 8.00mm MAX FOR ROW C

DIM C: 4.60mm MIN, 6.30mm MAX FOR ROW GND NEXT TO ROW A

- 8. THE MIN PCB THICKNESS FOR REAR PLUG-UP APPLICATIONS IS 2.9mm SINCE THE COMPLIANT SECTIONS OF THE GROUND SPRING OF THE HEADER DIRECTLY OPPOSE THE GROUND SPRING OF THE SHROUD. THE MIN PCB THICKNESS FOR FRONT PLUG-UP ONLY APPLICATIONS IS 1.6mm.
- THESE HOLES ARE NEEDED FOR REAR PLUG-UP DESIGNS USING A SHROUD AND MAY BE OMITTED FOR FRONT PLUG-UP ONLY DESIGNS.
- 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.
- II. CURRENT RATING : I AMP PER PIN
- 12. TEMPERATURE RANGE : -55°C TO +105°C

13. P/N 84881-XYYZZZLF -LEAD FREE (OPTIONAL) - SPECIAL LOAD PATTERN -NUMBER MODULES -PLATING CODE

14. P/N 84881-X01777 SHOWN.

- 15. PRODUCTS WHERE THE PART NUMBERS ENDS IN LF MEET 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.
- FOR LEAD FREE PART NUMBERS ADD 'LF' SUFFIX. EXAMPLE: 84881-XYYYLF
- PIN TYPE IS AT THE MANUFACTURERS OPTION AND CAN BE EITHER BABY-H OR EYE OF THE NEEDLE STYLE

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