

						B THICKNESS RANG ED BY PIN'S TAIL		
	PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	WHEN MATING T 84688 SERIES			ATING TO A 52057 RAL 4000 RECEPTA	
				ROWS A,B,C,D,E	GROUND ROW	ROWS:A,B,D,E	ROW C	GROUND ROW
	0 *		4.30	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN	1.60 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
	40		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
	6.5		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
	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
	4 4		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20
	3 I		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95
	06		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
	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
	10		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10
	03*		4.30	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN
)	45		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20
	32		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95
	07		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70
	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
	50		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20
	41	1	15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
	24	1	16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
	11		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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						B THICKNESS RANG DDATED BY PIN LEI		
	PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	WHEN MATING 84688 SERIES			TING TO A 52057 RAL 4000 RECEPTA	
				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
	34		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
4	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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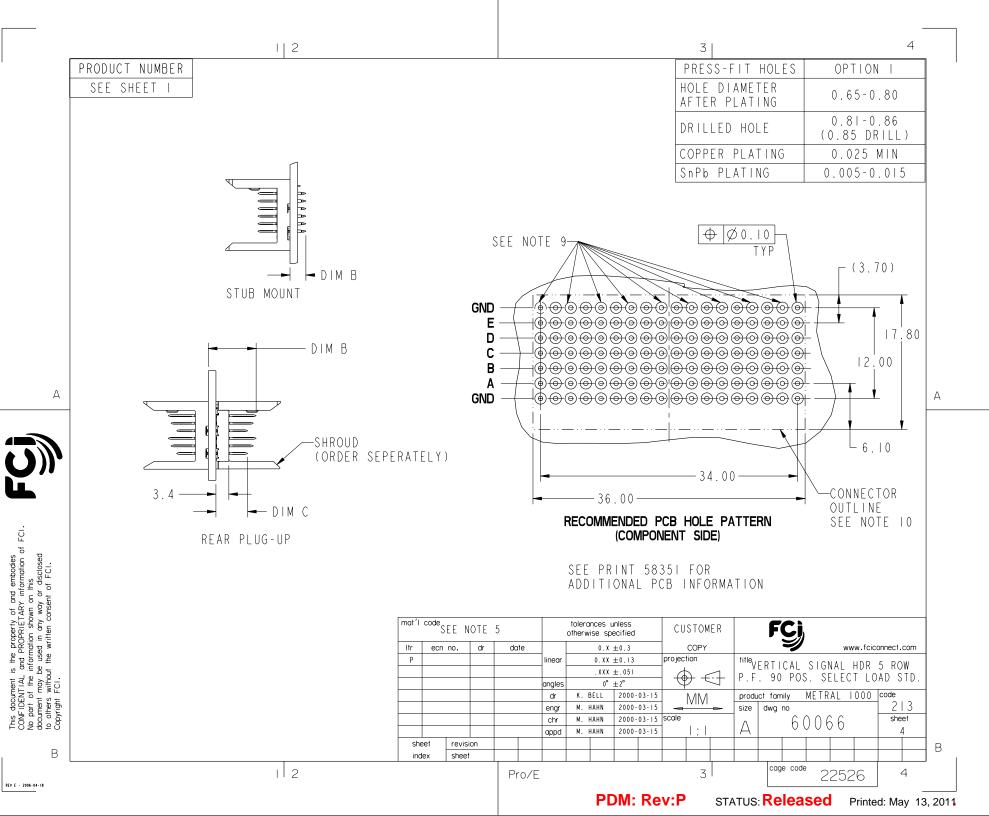
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PRODUCT NUMBER

SEE SHEET

NOTES:

- I. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CURCUIT 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 Y14.5, 1994
- 5.)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 SHOWN IN TABLE ON SHEET I. PLATING OF "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 NO

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 60066-XZZZLF

LEAD FREE (OPTIONAL) - SELECT LOAD PATTERN - PLATING CODE

- PIN CODE 55 CANNOT BE USED WITH METRAL 1000 SHROUDS. PIN CODE 55 HAS A DIM A=5.75mm, DIM B=II.55mm.
- 15. PART NUMBERS ENDING IN LE 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 'LE' SUFFIX. EXAMPLE: 60066-XYYYLF
- PIN TYPE IS AT THE MANUFACTURERS OPTION AND CAN BE EITHER BABY-H OR EYE OF THE NEEDLE STYLE

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SELECT LOAD PATTERNS

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SELECT LOAD PATTERNS

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PRODUCT #	ROW								(OL	UM	N							
TRODUCT #	IN O W	Ι	2	3	4	5	6	7	8	9	10	П	12	13	4	15	16	17	18
	E	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
60066-X00I	D	01	01	01	01	01	02	01	01	01	01	01	02	01	01	01	01	01	02
SFF NOTF 16	С	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
LEAD FREE	В	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
OPTION	A	01	01	03	01	01	03	01	01	03	01	01	03	01	01	03	01	01	03
	GND	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
PRODUCT #	ROW	COLUMN																	
FRODUCI #	ROW	Τ	2	3	4	5	6	7	8	9	10	П	12	13	4	15	16	17	18
60066-X002	E	55	02	02	02	02	55	55	55	02	02	02	02	55	55	55	55	55	55
SEE NOTE 14	D	55	02	02	02	02	55	55	55	02	02	02	02	55	55	55	55	55	55
*RPU	С	55	02	02	02	02	55	55	55	02	02	02	02	55	55	55	55	55	55
SEE NOTE 16	В	55	02	02	02	02	55	55	55	02	02	02	02	55	55	55	55	55	55
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60066-X003	E	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55
SEE NOTE 14	D	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55
*RPU	С	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55
SEE NOTE 16	В	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55
LEAD FREE	А	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55
OPTION	GND	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55

PRODUCT # ROW 3 5 6 8 9 | 10 | 11 | 12 | 13 | 14 60066 - X004 SEE NOTE 16 LEAD FREE OPTION Α 02 02 02 02 02 02 02 02 02 02 02 02

PCB THICKNESS RANGE FOR REAR PLUG UP APPLICATIONS:

I.6mm MIN.

PCB THICKNESS RANGE FOR REAR PLUG UP APPLICATIONS: I.6mm MIN.

* REAR PLUG-UP PART NUMBERS

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