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						B THICKNESS RANG TED BY PIN'S TA		
	PIN NO.	DIM A MATING LENGTH		WHEN MATING SERIES RE			TING TO A 52066 RAL 4000 RECEPTA	
				ROWS A,B, C,D,E,F,G & H	GROUND ROW	ROWS:A,B, D,E,G & H	ROW C & F	GROUND ROW
	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
	0.5		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
	65		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
	31		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
Д	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
	0.7		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		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
	24		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
<u>.</u>	- 1.1		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10

Д

mot'l code SEE NOTE 5 tolerances unless CUSTOMER otherwise specified ltr ecn no. dr date 0.X ±0.3 COPY ΑL 0.XX ±0.13 projection title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT linear .XXX ±.051 0° ±2° METRAL 1000 code 213 E. KROPER. 2001-01-10 dr MM product family VOLSTORF 2001-01-10 engr size dwg no VOLSTORF 2001-01-10 Scale 63784 appd J. VOLSTORF 2001-01-10 sheet revision

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Pro/E

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4 Printed: Oct 23, 2008

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22526

REV E - 2006-04-18

						B THICKNESS RANG MODATED BY PIN L		
	PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	WHEN MATING SERIES RE			ATING TO A 52066 RAL 4000 RECEPTA	
				ROWS A,B,C, D,E,F,G & H	GROUND ROW	ROWS:A,B, D,E,G & H	ROW C & F	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
	9*		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
Į	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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						engr	J. V0I	STORF	2001-	01-10	-	1 V 11 V 1	-	size	dwg	no				2	13
						chr	J. V0I	STORF	2001-	01-10	scale] , [6	378	R /		she	et
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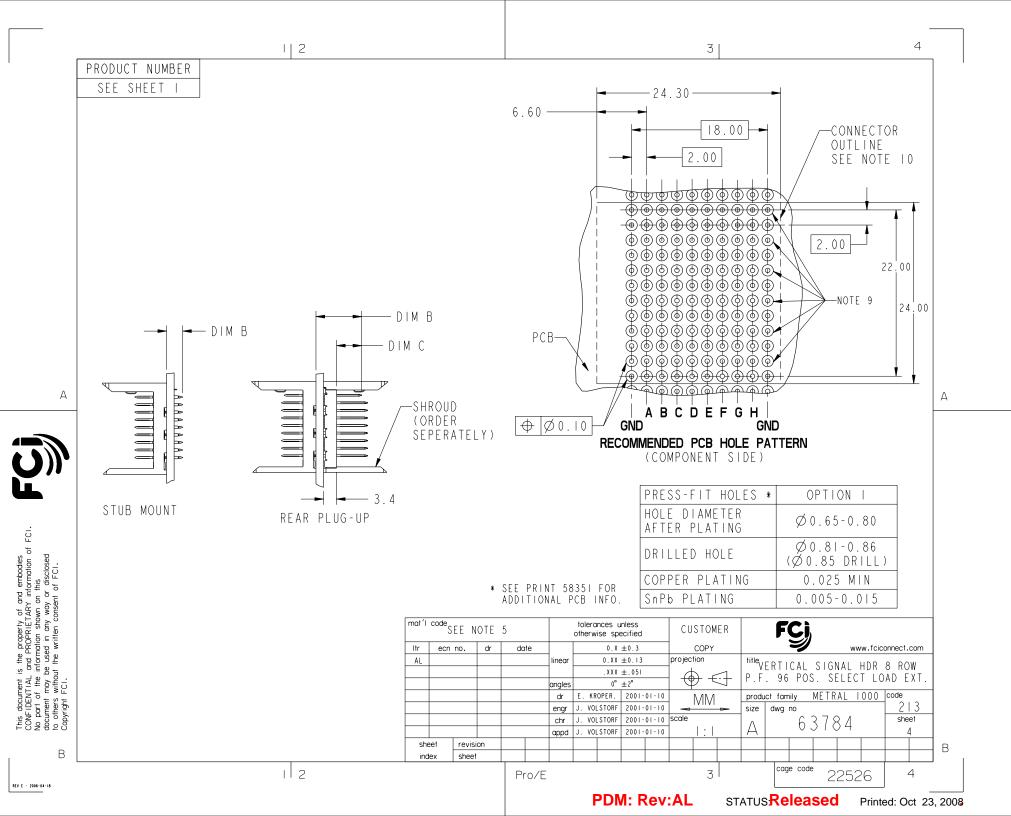
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REV E - 2006-04-18



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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 950511-028 FOR "ELECTRICAL PERFORMANCE DATA FOR SINGLE-ENDED APPLICATION.'
- 4. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES TOLERANCES ARE IN ACCORDANCE WITH ASME YI4.5M, 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 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-H

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-H

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, G & H DIM A : 5.00mm MIN, 8.00mm MAX FOR ROW C & F

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, G & H

DIM C : 5.00mm MIN, 8.00mm MAX FOR ROW C & F

NFXT TO ROW A

ONS IS SPRING OF THE ONLY

- 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 63784-XYYYLF LEAD FREE (OPTIONAL) - SELECT LOAD PATTERN - PLATING CODE

- AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
- PRODUCTS WHERE THE PART NUMBER 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.

PIN TYPE IS AT THE MANUFACTURERS OPTION AND CAN BE EITHER BABY-H OR EYE OF THE NEEDLE STYLE

	DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND) NE)	(
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STATUS Released

Printed: Oct 23, 2008

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REV E - 2006-04-18

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CONTACT CODE METRAL FOR REAR PLUG UP P/N ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 1 | 12 APPLICATIONS, PCB H 05 05 05 05 05 05 05 05 05 05 05 05 05 THICKNESS RANGE: 2.95 G 05 05 05 05 05 05 05 05 05 05 05 05 -5.30 WHEN MATED TO F 05 05 05 05 05 05 05 05 05 05 05 05 METRAL 1000 RECEPT. 63784-X006 E 05 05 05 05 05 05 05 05 05 05 05 05 AND THIS CONFIGURATION RPU CANNOT BE MATEDTO A C 01 01 01 01 01 01 01 01 01 01 01 01 METRAL 4000 RECEPT B 01 01 01 01 01 01 01 01 01 01 01 01 (2.30 MIN IN NON-STANDARD FOR LEAD FREE A 01010101010101010101010101 REAR PLUG UP APPLICATIONS) SEE NOTE 15

METRAL						CON	TAC	T C	ODE				
P/N	ROW	Т	2	3	4	5	6	7	8	9	10	П	12
	Η	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	02	02	02	02	02	02	02	02	02	02	02	02
63784-X007	Ε	03	01	02	02	02	02	02	02	02	02	02	02
[[[] [] [] [] [] [] [] [] []	D	02	02	02	02	02	02	02	02	02	02	02	03
FOR LEAD FREE	С	02	02	02	02	02	02	02	02	02	02	02	02
	В	02	02	02	02	02	02	02	02	02	02	02	02
	Α	02	02	02	02	02	02	02	02	02	02	02	02
	GND	02	02	02	02	02	02	02	02	02	02	02	02

METRAL						CON	TAC	T C	ODE				
P/N	ROW	Τ	2	3	4	5	6	7	8	9	10	П	12
	Н	02	02	02	02	02	02	02	01	01	01	01	01
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	02	02	02	02	02	02	02	02	02	02	02	02
63784-X008	Ε	02	02	02	02	02	02	02	02	02	02	02	02
COD LEAD EDGE	D	02	02	02	02	02	02	02	02	02	02	02	02
FOR LEAD FREE SEE NOTE 15	С	02	02	02	02	02	02	02	02	02	02	02	02
022 11012 10	В	02	02	02	02	02	02	02	02	02	02	02	02
	Α	02	02	02	02	02	02	02	02	02	02	02	02
	GND	02	02	02	02	02	02	02	02	02	02	02	02

METRAL						CON	TAC	T C	ODE				
P/N	ROW	1	2	3	4	5	6	7	8	9	10	П	12
	Н	49	49	49	49	49	49	49	49	49	49	49	49
	G	49	49	49	49	49	49	49	49	49	49	49	49
63784-X009	F	49	49	49	49	49	49	49	49	49	49	49	49
RPU	Ε	49	49	49	49	49	49	49	49	49	49	49	49
	D	49	49	49	49	49	49	49	49	49	49	49	49
FOR LEAD FREE	С	49	49	49	49	49	49	49	49	49	49	49	49
SEE NOTE 15	В	49	49	49	49	49	49	49	49	49	49	49	49
	Α	35	49	49	49	49	49	49	49	49	49	49	49
	GND	36	36	36	36	36	36	36	36	36	36	36	36

FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 4.75 -6.05 WHEN MATED TO METRAL 1000 RECEPT. AND 4.80-6.05 WHEN MATED TO METRAL 4000 RECEPT.

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	Itr	ecn	no.	dr	d	ate			0.X	±0.3			COPY				4		wv	vw.fcic	onnect.	com
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							dr	E. KR	OPER.	2001-	01-10		MM		produ	ct fam	nily	METR	AL I	000	code	
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							chr	J. VO	LSTORF	2001-	01-10	scale			Ι _Λ		6	378	R /		she	et
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H'K : 2.95-5.30 MATED TO AL 1000 PT. AND 5.30 WHEN TO L 4000 MIN ARD

ī				
	10	\Box	12	
	01	01	01	FOR REAR PLUG UP
	01	01	01	APPLICATIONS, PCB TH'K
	01	01	01	RANGE: 2.95-5 WHEN MATED TO
	01	01	01	METRAL 1000
	01	01	01	RECEPT. AND 3.30-5.30 WHE
	01	0	0	MATED TO METRAL 4000
	01	0	0	RECEPT. (2.30 MIN
	01	01	01	IN NON- STANDARD
	٥ι	0.1	0.1	REAR PLUG-UP

112

2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | FOR REAR PLUG UP

ROW | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | FOR REAR PLUG UP

G 01010101010101010101010101 THICKNESS RANGE: 2.95

CANNOT BE MATED

RECEPTACLE

TO A METRAL 4000

TO METRAL 4000 RECEPT

-5.30 WHEN MATED TO

TO METRAL 4000 RECEPT.

CANNOT BE MATED

RECEPTACLE

TO A METRAL 4000

(2.30 MIN IN NON-STANDARD

(2.30 MIN IN NON-STANDARD

CONTACT CODE

ROW | 2 3 4 5 6 7 8 9 10 11 12

H 01 01 01 01 01 01 01 01 01 01 01 01

G 01 01 01 01 01 01 01 03 03 03 01 19

F 01 01 01 01 01 19 01 01 01 01 01 19

D 01 01 01 01 01 19 01 01 01 01 01 19

C 010101010119010101010119

B 010101010119010101010119

A 01 01 01 01 01 01 01 01 01 01 01 19

CONTACT CODE

C 01 01 01 01 01 01 01 01 01 01 01 01

B 01 01 01 01 01 01 01 01 01 01 01 01

GND 01 01 01 01 01 01 01 01 01 01 01 01 CONTACT CODE

F 01 01 01 01 01 01 01 01 01 01 01 01

C 05 05 05 05 05 05 05 05 05 05 05 05 05

GND 01 01 01 01 01 01 01 01 01 01 01 01

ROW | 2 3 4 5 6 7 8 9 10 11 12 H | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |

G | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 3 | 0 3 | 0 3 | 0 3 | 0 1 | 1 9 |

F 01 01 01 01 01 01 01 01 01 01 01 19

E 0101010101010103030303030119

D 01 01 01 01 01 01 01 01 01 01 01 19

C 01010101010101010101010119

B |01|01|01|01|01|01|01|01|01|01|01|19|

A 01 01 01 01 01 01 01 01 01 01 01 19

05 05 05 05 05 05 05 05 05 05 05 05

CONTACT CODE

METRAL

P/N

63784-X001

FOR LEAD FREE

SEE NOTE 15

METRAL P/N

63784-X002

RPU

FOR LEAD FREE

SEE NOTE 15

METRAL

P/N

63784-X003

RPU

SEE NOTE 15

METRAL

P/N

63784-X004

FOR LEAD FREE

SEE NOTE 15

R4 - X 0 0 5	1.7.14	KOW		۷.	3	4	2	ь	- 1	Ø	9	10		12
84 - X 0 0 5 F 0 5 0 5 0 5 0 5 0 5 0 5 0 6 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1		Н	05	05	05	05	05	05	01	01	01	01	01	01
RPU		G	05	05	05	05	05	05	01	01	01	01	01	01
RPU	84-X005	F	05	05	05	05	05	05	01	01	01	01	01	01
LEAD FREE C 01 01 01 01 01 01 01 01 01 01 01 01 01		Ε	05	05	05	05	05	05	01	01	01	01	01	01
NOTE 15 B 01 01 01 01 01 01 01 01 01 01 01 01	0	D	01	01	01	01	01	01	01	01	01	01	01	01
		С	01	01	01	01	01	01	01	01	01	01	01	01
A 01 01 01 01 01 01 01 01 01 01 01 01 01	NOTE 15	В	01	01	01	01	01	01	01	01	01	01	01	01
		Α	01	01	01	01	01	01	01	01	01	01	01	01

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FOR LEAD FREE

REV E - 2006-04-18

4 2 3 CONTACT CODE CONTACT CODE METRAL METRAL P/N P/N 2 3 4 5 6 7 8 9 10 11 12 ROW I 7 8 ROW 02 02 02 02 02 02 02 01 02 02 02 02 02 02 02 02 02 02 02 02 01 02 02 02 02 F 02 02 02 02 02 02 02 02 02 02 02 02 02 F 03 03 03 03 03 03 03 03 03 03 03 03 03 63784-X010 63784-X015 E 02 02 02 02 02 02 02 02 01 02 02 02 02 E 02 01 02 02 02 02 02 02 02 02 02 02 02 02 02 02 02 02 02 FOR LEAD FREE FOR LEAD FREE 03 03 03 03 03 03 03 03 03 03 03 03 02 02 02 02 02 02 02 02 02 02 02 02 02 SEE NOTE 15 SEE NOTE 15 02 A 02 02 02 02 02 02 02 02 01 02 02 02 A 01 02 02 02 02 02 02 02 02 02 02 02 02 GND 02 02 02 02 02 02 02 02 02 02 02 02 02 GND 02 02 02 02 02 02 02 02 02 02 02 02 02 CONTACT CODE METRAL CONTACT CODE METRAL P/N 2 3 4 5 6 7 8 9 10 11 12 P/N ROW | 2 3 4 5 6 7 8 9 10 11 12 H |49|49|49|49|49|49|49|49|49|49|49|49| PCB THICKNESS RANGE FOR REAR G 03 03 03 03 03 03 03 03 03 03 03 02 F 41 41 41 41 41 41 41 41 41 41 41 41 41 PLUG UP F 03 03 03 03 03 03 03 03 03 03 03 63784-X016 63784-X01 APPLICATIONS E 03 03 03 03 03 03 03 03 03 03 03 03 RPU 5.50 TO 6.80 D 03 03 03 03 03 03 03 03 03 03 03 FOR LEAD FREE FOR LEAD FREE 03 03 03 03 03 03 03 03 03 03 03 03 03 SEE NOTE 15 SEE NOTE 15 B 49 49 49 49 49 49 49 49 49 49 49 49 49 03 03 03 03 03 03 03 03 03 03 03 03 A 48 49 49 49 49 49 49 49 49 49 49 49 49 A 03 03 03 03 03 03 03 03 03 03 03 03 GND 49 49 49 49 49 49 49 49 49 49 49 49 49 CONTACT CODE METRAL CONTACT CODE METRAL P/N 3 4 5 6 7 8 9 10 11 12 P/N FOR REAR PLUG UP ROW | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 0 | | | | | 2 | H 45 45 45 45 45 45 45 45 45 45 45 22 APPLICATIONS, PCB CAN NOT BE MATED THICKNESS RANGE: 2.95 G 45 45 45 45 45 45 45 45 45 45 45 45 45 TO A METRAL 4000 F 02 02 02 02 02 02 02 02 02 02 02 02 02 Α -3.80 WHEN MATED TO 22 45 45 45 45 45 45 45 45 45 45 45 63784-X017 RECEPTACLE METRAL 1000 RECEPT 63784-X012 45 45 45 45 45 45 45 45 45 45 45 45 D 04 04 04 04 04 04 04 04 04 02 02 02 02 AND THIS CONFIGURATION RPU 45 45 45 45 45 45 45 45 45 45 45 45 02 02 02 02 02 02 02 02 02 02 02 02 02 CANNOT BE MATEDTO A |45|45|45|45|45|45|45|45|45|45|45|45 METRAL 4000 RECEPT. FOR LEAD FREE 45 45 45 45 45 45 45 45 45 45 45 45 FOR LEAD FREE SEE NOTE 15 SEE NOTE 15 CONTACT CODE METRAL METRAL CONTACT CODE P/N 2 3 4 5 6 7 8 9 10 11 12 P/N | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 H 02 02 02 02 02 02 02 02 02 02 02 02 01 |02|02|02|02|02|02|02|02|02|02|02|02 F 02 02 02 02 02 02 02 02 02 02 02 02 63784-X018 E |02|02|02|02|02|02|02|02|02|02|02 63784-X013 03 02 02 02 01 02 02 02 02 02 02 02 FOR LEAD FREE 02 02 02 02 02 02 02 02 02 02 02 02 02 FOR LEAD EREE SEE NOTE 15 02 02 02 02 02 02 02 02 02 02 02 02 02 SEE NOTE 15 GND 02 02 02 02 02 02 02 02 02 02 02 02 02 mat'l code SEE NOTE 5 tolerances unless CUSTOMER otherwise specified METRAL CONTACT CODE P/N ltr dr date $0.X \pm 0.3$ COPY www.fciconnect.com ROW | | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 0 | | | | 2 | CAN NOT ecn no. 0.XX ±0.13 projection BE MATED ΑL linear H | 03|03|03|03|03|03|03|03|03|03|01 title VERTICAL SIGNAL HDR 8 ROW TO A .XXX ±.051 G 03 03 03 03 03 03 03 03 03 03 03 03 P.F. 96 POS. SELECT LOAD EXT METRAL 0° ±2° angles 4000 63784-X014 2001-01-10 METRAL 1000 code 03 03 03 03 03 03 03 03 03 03 03 03 dr E. KROPER. MM product family RECEPTACLE D 03 03 03 03 03 03 03 03 03 03 03 03 VOLSTORF 2001-01-10 size dwg no engr 2001-01-10 scale sheet VOLSTORF 103103103103103103103103103103103 63784 appd J. VOLSTORF 2001-01-10 FOR LEAD FREE SEE NOTE 15 sheet revision В sheet cage code 1/2 3 4 Pro/E 22526

PDM: Rev:AL

STATUS Released

Printed: Oct 23, 2008

REV E - 2006-04-18

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CONTACT CODE

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P/N	ROW 2 3 4 5 6 7 8 9 10 11 12	FOR REAR PLUG UP_	P/N	ROW 2 3 4 5 6 7 8 9 10 11 12	
63784-X019 RPU FOR LEAD FREE SEE NOTE 15	H 03 03 03 03 03 03 03 03 03 03 03 03 03	APPLICATIONS, PCB THICKNESS RANGE: 5.70 -7.30 WHEN MATED TO METRAL 1000 RECEPT. AND 6.70-7.30 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS)	63784-X024 RPU FOR LEAD FREE SEE NOTE 15	H 03 03 03 03 03 03 03	FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 4.30 -5.70 WHEN MATED TO METRAL 1000 RECEPT. AND 5.30-5.70 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS)
METRAL	CONTACT CODE	FOR REAR PLUG UP	METRAL	CONTACT CODE	
P/N	ROW 1 2 3 4 5 6 7 8 9 10 11 12	APPLICATIONS, PCB	P/N	ROW 2 3 4 5 6 7 8 9 10 11 12	
63784-X020 RPU FOR LEAD FREE SEE NOTE 15	H 03 03 03 03 03 03 03 03 03 03 03 03 03	-5.70 WHEN MATED TO	63784-X025 RPU FOR LEAD FREE SEE NOTE 15	H 03 03 03 03 03 03 03	FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 4.30 -5.70 WHEN MATED TO METRAL 1000 RECEPT. AND 5.30-5.70 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS)
METRAL	CONTACT CODE		METRAL	CONTACT CODE	
P/N 63784-X021 RPU FOR LEAD FREE SEE NOTE 15	ROW I 2 3 4 5 6 7 8 9 10 I I 2 H 0.3	FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 4.30 -5.70 WHEN MATED TO METRAL 1000 RECEPT. AND 5.30-5.70 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS)	P/N 63784-X026 RPU FOR LEAD FREE SEE NOTE 15	ROW I 2 3 4 5 6 7 8 9 10 II I2 H 03	FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 4.30 -5.70 WHEN MATED TO METRAL 1000 RECEPT. AND 5.30-5.70 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS)
METRAL P/N	CONTACT CODE ROW 1 2 3 4 5 6 7 8 9 10 11 12 14 15 15 15 15 15 15 15	FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 4.30	METRAL P/N	CONTACT CODE ROW 1 2 3 4 5 6 7 8 9 10 11 12 14 15 15 15 15 15 15 15	

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FOR LEAD FREE

SEE NOTE 15

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A 03 03 03 03 50 50 50 50 50 50 50 50

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FOR REAR PI IIG IIP APPLICATIONS. PCB TH'K RANGE: 4.30-5.70 G 03 03 03 03 03 03 03 03 03 03 03 03 03 03 03 03 41 41 41 41 41 41 41 41 41 D 03 03 03 03 37 37 37 37 37 37 37 37 METRAL 4000 RECEPT. B 03 03 03 03 37 37 37 37 37 37 37 37 STANDARD

REAR PLUG-UP APPLICATIONS)

TO METRAL 4000 RECEPT.

AND 5.30-5.70 WHEN MATED

(2.30 MIN IN NON-STANDARD

REAR PLUG UP APPLICATIONS)

-5.70 WHEN MATED TO

METRAL 1000 RECEPT.

mat'l code SEE NOTE 5 tolerances unless otherwise specified Itr ecn no. dr date 0.0 ± 0.3 0.XX ±0.13 ΑL linear .XXX ±.051 0° ±2° angles 2001-01-10 dr E. KROPER. engr VOLSTORF 2001-01-10 VOLSTORF 2001-01-10 Scale appd J. VOLSTORF 2001-01-10 sheet revision

sheet

63784-X027

FOR LEAD FREE SEE NOTE 15

www.fciconnect.com title VERTICAL SIGNAL HDR 8 ROW

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STATUS Released

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REV E - 2006-04-18

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PDM: Rev:AL

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63784-X033

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FOR LEAD FREE

SEE NOTE 15

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SEE NOTE 15

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SEE NOTE 15

ROW

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2 3 4 5 6 7 8 9 10 11 12 FOR REAR PLUG UP H 03 03 03 03 03 03 03 03 03 03 03 03 03 APPLICATIONS, PCB 03 03 03 03 03 03 03 03 03 03 03 03 THICKNESS RANGE: 4.30 -5.70 WHEN MATED TO 03 - 03 - 03 - 03 - 03 - 03 E 03 03 41 41 41 41 41 41 03 03 03 03 03 METRAL 1000 RECEPT AND 5.30-5.70 WHEN MATED |03|03|37|37|37|37|37|37|03|03|03|03 TO METRAL 4000 RECEPT. C 03 03 50 50 50 50 50 50 03 03 03 03 (2.30 MIN IN NON-STANDARD 03 03 37 37 37 37 37 37 03 03 03 03 REAR PLUG UP APPLICATIONS) A 03 03 50 50 50 50 50 50 03 03 03 03 GND 02 02 06 06 06 06 06 06 02 02 02 02 2 3 4 5 6 7 8 9 10 11 12 H 02 02 02 02 02 02 02 02 02 02 02 02 02 F 04 04 02 02 02 02 02 02 02 02 02 02 02 02 E 02 02 02 02 02 02 02 02 02 02 02 02 02 D 02 1 2 3 4 5 6 7 8 9 10 11 12 02 02 02 02 02 02 02 02 02 02 02 02 02 04 04 02 02 02 02 01 02 02 02 02 02

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FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 2.95 -5.30 WHEN MATED TO METRAL 1000 RECEPT. AND 3.30-5.30 WHEN MATED TO METRAL 4000 RECEPT (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS) NO PIN ALIGNER

FOR REAR PLUG UP

APPLICATIONS, PCB

THICKNESS RANGE: 2.95

TO METRAL 4000 RECEPT

AND 3.30-5.30 WHEN MATED

(2.30 MIN IN NON-STANDARD

REAR PLUG UP APPLICATIONS

-5.30 WHEN MATED TO

METRAL 1000 RECEPT

NO PIN ALIGNER

FOR REAR PLUG UP

APPLICATIONS, PCB

THICKNESS RANGE: 2.95

TO METRAL 4000 RECEPT

AND 3.30-5.30 WHEN MATED

(2.30 MIN IN NON-STANDARD

REAR PLUG UP APPLICATIONS:

-5.30 WHEN MATED TO

METRAL 1000 RECEPT.

NO PIN ALIGNER

FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 2.95 -5.30 WHEN MATED TO METRAL 1000 RECEPT. AND 3.30-5.30 WHEN MATED TO METRAL 4000 RECEPT (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS NO PIN ALIGNER

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63784-X028

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FOR LEAD FREE

SEE NOTE 15

METRAL

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63784-X029

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FOR LEAD FREE

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63784-X042 E 02 02 02 02 02 02 02 02 02 02 02 02 03 D 02 02 02 02 02 02 02 02 02 02 02 03 03 FOR LEAD FREE C 02 02 02 02 02 02 02 02 02 02 02 03 03 SEE NOTE 15

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METRAL CONTACT CODE P/N 2 3 4 5 6 7 8 9 10 11 12 H 02 02 02 02 01 02 01 02 02 02 02 03 G 02 02 02 02 01 02 02 02 02 02 02 03 F 02 02 02 02 01 02 02 02 02 02 02 03

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METRAL

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63784-X037

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P/N |ROW|||||||2|||3||4||5||6||7||8||9||10||1||12| 02 02 02 02 02 02 02 02 02 03 03 03 03 02 02 02 02 02 02 02 02 02 03 03 03 03 F 02 02 02 03 02 02 02 02 03 03 03 03 63784-X039 E 02 02 02 01 02 02 02 02 03 03 03 03 D 03 01 02 01 02 02 02 02 03 03 03 03 FOR LEAD FREE SEE NOTE 15 02 02 02 01 02 02 02 02 03 03 03 03 B 02 02 02 01 02 02 02 02 03 03 03 03 A 03 01 02 01 02 02 02 02 03 03 03 03

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EAR LEAR EREE	D	03	03	03	03	03	03	02	02	02	02	02	02
FOR LEAD FREE SEE NOTE 15	С	03	03	03	03	03	03	02	02	02	02	02	02
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FOR LEAD FREE SEE NOTE 15	С	02	02	02	02	02	02	02	02	02	02	03	02
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