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I						B THICKNESS RANG ATED BY PIN'S TA					
	PIN CODE NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	WHEN MATING T 84688 SERIES			TING TO A 5 RAL 4000 RE4				
				ROWS A,B,C,D,E	GROUND ROW	ROWS:A,B,D,E	ROW C		GROUN	D ROW	
	0 *		4.30	1.60 MIN	1.60 MIN	1.60 MIN	I.60 MI	N	1.60	MIN	
	22		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.	80	2.95 -		1
	30		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.	55	3.25 -	4.95	1
	05		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.		4.00 -		
	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	1
	48		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.		5.50 -	7.20	1
	40		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.	30	6.00 -	7.70	1
	65		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.	00	6.70 -	8.40	1
	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	1.60 MIN	1.60 MIN	1.60 MIN	I.60 MI		1.60		1
	44		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.		2.95 -		
	31		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.	55	3.25 -	4.95	1
	06		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.		4.00 -		
	36	5.75	14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.		4.75 -	6.45	
	49		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.		5.50 -		
А	25		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.	30	6.00 -	7.70	1
~	66		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.		6.70 -		
	10		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.	70	7.40 -	9.10	1
	03*		4.30	1.60 MIN	1.60 MIN	1.60 MIN	I.60 MI		1.60		1
	45	_	12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.		2.95 -	4.20	1
	32		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.	55	3.25 -	4.95	1
	07		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.	30	4.00 -	5.70	1
	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	1
	50		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.	80	5.50 -	7.20	]
÷	4		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.	30	6.00 -	7.70	]
f FC	24		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.	00	6.70 -	8.40	
sed on o			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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This document is the property CONFIDENTIAL and PROPRIET No port of the indramation sho document may be used in any to others without the written c Copyright FC1.	*	210B	PINS -	NO REAR PLU	J - U P	mat'l code SEE NC	DTE 5		tolerances un otherwise spec		CUSTOMER
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REV E - 2006-04-18

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PDM: Rev:U

STATUS: Released Printed: Feb 07, 2008

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t<sup>ithe</sup>VERTICAL SIGNAL HDR 5 ROW P.F. 60 POS. SELECT LOAD STD.

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						B THICKNESS RANG MODATED BY PIN L		
	PIN CODE NO.	DIM A MATING LENGTH		WHEN MATING 1 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
Ī	04*		4.30	I.60 MIN	I.60 MIN	1.60 MIN	1.60 MIN	1.60 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	1.60 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
_	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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THEN THE OTHER PINS.						
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mat'l code SEE NOTE 5					tolerances unless otherwise specified						CUSTOMER FC)										
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						dr	Κ.	BELL	2000-	03-15		MM		produ	ict farr	ily	METF	RAL I	000	code	
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	ELECT LOAD PATTERNS	METRAL P/N ROW 123	CONTACT CODE	METRAL P/N ROW	CONTACT CODE
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	ROW         I         2         3         4         5         6         7         8         9         10         11         12           E         01	63743-X007 D 02 02 02	02         02<	63743-X012 D	02       02 <td< td=""></td<>
53743-X002 FOR LEAD FREE SEE NOTE 16	C         03 </td <td>SEE NOTE 16 A 02 02 02</td> <td>02       02       02       02       02       02       02       02       02         02       02       02       02       02       02       02       02       02         02       02       02       02       02       02       02       02       02         02       02       02       02       02       02       02       02       02         02       02       02       02       02       02       02       02       02</td> <td>FOR LEAD FREE B</td> <td>02         02&lt;</td>	SEE NOTE 16 A 02 02 02	02       02       02       02       02       02       02       02       02         02       02       02       02       02       02       02       02       02         02       02       02       02       02       02       02       02       02         02       02       02       02       02       02       02       02       02         02       02       02       02       02       02       02       02       02	FOR LEAD FREE B	02         02<
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PRODUCT NUMBER SEE SHEET I								
<ul> <li>NOTES:         <ol> <li>SEE APPLICATION SPECIFICATION GS-20-010 FOR IN ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CON REPAIR PROCEDURES AND PRODUCT OFFERINGS.</li> <li>SEE FCI PUBLICATION 950511-028 FOR "ELECTRICAL DATA FOR DIFFERENTIAL APPLICATIONS."</li> <li>SEE FCI PUBLICATION 950511-029 FOR "ELECTRICAL DATA FOR SINGLE-ENDED APPLICATION."</li> <li>UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND ARE IN ACCORDANCE WITH ASME Y14.5, 1994</li> <li>HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% FLAME RETARDANT PER UL 94-V0. PIN MATERIAL: PHOSPHER BRONZE GROUND SPRING MATERIAL: PHOSPHER BRONZE</li> <li>PLATING INFORMATION: PLATING IN CONTACT AREAS PERFORMANCE LEVELS SHOWN IN TABLE ON SHEET I. PLATING ON "LF" TAILS IS SN ONLY, ALL OTHERS A</li> <li>DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS. FOR MATING WITH METRAL 1000 RECEPTACLES DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A- DIM C : 4.60mm MIN, 8.00mm MAX FOR ROWS A- DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A- DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A- DIM A : 5.00mm MIN, 6.30mm MAX FOR ROWS A- DIM A : 5.00mm MIN, 6.30mm MAX FOR ROWS A- DIM A : 5.00mm MIN, 6.30mm MAX FOR ROWS A- DIM A : 5.00mm MIN, 6.30mm MAX FOR ROWS A- DIM A : 5.00mm MIN, 6.30mm MAX FOR ROWS A- DIM A : 5.00mm MIN, 6.30mm MAX FOR ROWS A- DIM A : 5.00mm MIN, 6.30mm MAX FOR ROWS A- DIM A : 5.00mm MIN, 6.30mm MAX FOR ROWS A- DIM A : 5.00mm MIN, 6.30mm MAX FOR ROW C DIM A : 5.00mm MIN, 6.30mm MAX FOR ROW C DIM A : 5.00mm MIN, 6.30mm MAX FOR ROW C DIM A : 5.00mm MIN, 6.30mm MAX FOR ROW C DIM A : 5.00mm MIN, 6.30mm MAX FOR ROW C DIM A : 5.00mm MIN, 6.30mm MAX FOR ROW C DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW C DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND DIM C :</li></ol></li></ul>	NSIDEF PERF PERF DTOLE GLASS MEET ARE Sr NEXT E DNEXT , B, C DNEXT , B, C	RATIONS, FORMANCE FORMANCE ERANCES S FILLED T TO ROW T TO ROW D & E T TO ROW D & E T TO ROW D & E	A A A	$ \begin{array}{c}             10. \\             11. \\             12. \\             13. \\             14. \\             15. \\             16. \\             17. \\             (18)             18         $	SHROU THE Y DETER TYPES GS-20 CURRE TEMPE P/N 6 A PLA THE P A PLA THE P EUROPA A S DE ALL P 60 SE REFLO FOR L EXAMP EQUIV PIN T	D AND MAY BE OM CONNECTOR OUTLIN MINE THE OUTLIN OF REPAIR OPER -010. NT RATING: I AM RATURE RANGE: -: 3743-XYYYLF LEAT SELE TING HAS AU FLAS RODUCTS WHERE TH EAN UNION DIREC SCRIBED IN GS-23 RODUCTS WILL WI CONDS IN A CONVE W OVEN. EAD FREE PART NU LE: 63743-X01LF	ITTED FOR FR NE' IS THE M E NECESSARY ATIONS, SEE P PER PIN 55°C TO +105° D FREE (OPTI- ECT LOAD PAT TING CODE SH IN PRESS- HE PART NUMB TIVES AND OT 2-008. IHSTAND EXPO ECTION, INFR JMBERS, ADD METAL PLATIN ANUFACTURERS	ONAL) TERN FIT AREA (LEAD FREE). ER ENDS IN LF MEET THE HER COUNTRY REGULATIONS SURE TO 260°C FOR A-RED OR VAPOR PHASE AN "LF" SUFFIX. GS MAY BE SUBSTITUTED. OPTION AND CAN
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 I.6mm. BE THE MIN PCB THICKNESS FOR FRONT PLUG-UP ONLY APPLICATIONS IS I.6mm.	mat 'I	code SEE N	NOTE	5		tolerances unless otherwise specified	CUSTOMER	FCj
	ltr U	ecn no.	dr	date	linear	0.X ±0.3 0.XX ±0.13 .XXX ±.051		www.fciconnect.com <sup>title</sup> VERTICAL SIGNAL HDR 5 ROW P.F. 60 POS. SELECT LOAD STI
					angles dr engr	0° ±2° K. BELL 2000-03-15 M. HAHN 2000-03-15 M. HAHN 2000-03-15		product family METRAL 1000 code size dwg no 213
B	she	leet revis dex shee			chr appd	M. HAHN 2000-03-15		A 63743 sheet
L		1 2.000		<u></u>	-		3	cage code 22526 4