

2	
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	PIN CODES													
		DIM B												
		4.30	11.55	12.20	12.95	13.70	14.45	15.20	15.70	16.40	17.10			
	5.00	0 *	5 4	22	30	05	35	48	40	65	09			
	5.75	02*	55	44	31	06	36	49	25	66	10			
DIM A	6.50	03*	56	45	32	07	37	50	4	24	1.[
	7.25	04*	57	46	33	08	38	51	42	67	12			
	8.00	19*	58	47	34	20	39	52	43	68	21			

	RESTRICTION ON CIRCUIT BOARD THICKNESS RANGE FOR PIN POSITIONS A, B, C, D, E, F, G & H										
					DIN	и В					
	4.30	11.55	12.20	12.95	13.70	14.45	15.20	15.70	16.40	17.10	
MIN THICKNESS	1.60	1.60	1.60	1.60	2.30	3.05	3.80	4.30	5.00	5.70	
MAX THICKNESS	NONE	3.15	3.80	4.55	5.30	6.05	6.80	7.30	8.00	8.70	

* STUB PINS - NO REAR PLUG-UP

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Itr	ecn	no.	dr	do	ite						1	COPY					www.fciconnect.com					
T	-		-		-	linear				projection			title METRAL SIGNAL HEADER						DEB			
														2 MOD, 8 ROW, EXT. PR								
						angles									JV,	O IV	JW,		LJJ	1 1 1		
						dr	E. K	ROPER.	171	5/01		MM		produ	ict fam	nily		MET	RAL	code		
						engr	J. VC	LSTORF	171	5/01	-	1 V 11 V 1	•	size	dwg	no				2	13	
						chr	J. VC	LSTORF	171	5/01	scale			1		99	300	3 /		she	et	
						appd	J. VC	LSTORF	171	5/01		<u> </u>		$\mid A \mid$			\cup \cup \cup	<i>J</i> V			2	
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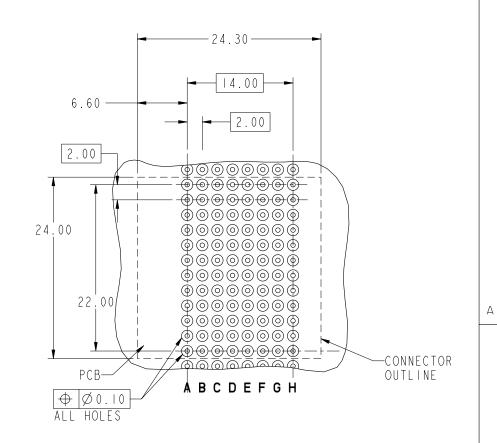
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PRODUCT NUMBER	PIN CONTACT AREAS TO RECEPTACLE	PRESS FIT PIN TO PCB
98030-1444	0.8μm Au OVER Ni	SnPb OVER Ni
98030-2YYY	2.0μm Au OVER Ni	SnPb OVER Ni
98030-3YYY	I.3μm Au OVER Ni	SnPb OVER Ni
98030-5YYY	I.3μm GXT OVER Ni	SnPb OVER Ni
98030-9YYY	0.8μm GXT OVER Ni	SnPb OVER Ni
98030-AYYY	0.8μm Au OVER Ni	0.08μm Au OVER N
98030-IYYYLF	0.8μm Au OVER Ni	Sn OVER Ni
98030-2YYYLF	2.0μm Au OVER Ni	Sn OVER Ni
98030-3YYYLF	I.3μm Au OVER Ni	Sn OVER Ni
98030-5YYYLF	I.3μm GXT OVER Ni	Sn OVER Ni
98030-9YYYLF	0.8μm GXT OVER Ni	Sn OVER Ni
98030-AYYYLF	0.8μm Au OVER Ni	0.08μm Au OVER N

PRESS-FIT HOLES	OPTION I
HOLE DIAMETER AFTER PLATING	Ø0.65-0.80
DRILLED HOLE	Ø0.81-0.86 (Ø0.85 DRILL)
COPPER PLATING	0.025 MIN
SnPb PLATING	0.005-0.015



RECOMMENDED PCB HOLE PATTERN

(COMPONENT SIDE)
SEE NOTE 9
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

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						angles		——————————————————————————————————————				:1	2 M						ESS-	FIT		
						dr	E. KR	E. KROPER. 1/15/01				MM		produ	ct far	nily		MET	RAL	code		1
						engr	J. V0I	STORF	171	5/01	-	IVIIVI	-	size	dwg	no				2	3	l
						chr	J. V0I	STORF	1713	5/01	scale			1 ,		99	303	$R \cap R$		she	et	1
						appd	J. V0I	STORF	171	5/01		1:1		A		J (<i>)</i> (() (] 3	3	l
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112 CONTACT CODE

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2 2

4 4 4 4 4 4 4 4

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4 | 4 | 4 | 4 | 4 | 4 | 4 | 4

4 4 4 4

3 3 -

3 | 3 | -

4 4 -

4 4 -

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

3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

E 19 19 19 19 19 19 19 19 19 19 19 19

2 3 4 5 6 7

3

2

|GND| - | - | - | - |

H | 4 | 4 | 4 | 4 | 4 |

3 3 3 3

F 3 3 3 3 3

D

IGNDL

2 2

3 | 3 | 3 |

4 4 4 4 4

A 4 4 4 4 4 4 4

H 4 4 - 1

G 3

D

В 4 4

A 4 4 4

19 19 19 19 19 19 19 19 19 19 19 19

CONTACT CODE

3

3

2

2

3

4

4

CONTACT CODE

ROW | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 1 | 1 | 2

3 | 3 3 3 3 3 | 3

2 |

3 | 3 3 3 |

4 4 4

3 3 3 3 3 3 3 3 3 3 3

CONTACT CODE METRAL P/N 2 | 2 | 2 | 2 | 2 |

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

CONTACT CODE

98030-X005 SEE NOTE 14 2 | LEAD FREE 2 2 2 | 2 2 2 2 OPTION 2 2 2 2 2 | 2 2 GND

CONTACT CODE METRAL P/N 3 4 5 6 7 8 9 10 11 12 3 3 4 | 4 | 4 2 4 4 4 2 F 3 4 4 4 2 98030-X006 3 2 SEE NOTE 14 Ε 3 3 4 4 4 LEAD FREE D 3 3 4 4 4 OPTION 3 3 3 3 4 4 4 2 3 3 4 4 4 2 2 3 3 4 4 4 2 2 2 3 3 3

	1 1												
P/N	ROW	1	2	3	4	5	6	7	8	9	10	П	12
	Н	7	7	7	7	8	8	8	6	6	6	6	6
	G	7	7	7	7	8	8	8	6	6	6	6	6
98030-X007	F	7	7	7	7	8	8	8	6	6	6	6	6
*RPU	Ε	7	7	7	7	8	8	8	6	6	6	6	6
SEE NOTE 14	D	7	7	7	7	8	8	8	6	6	6	6	6
LEAD FREE	С	7	7	7	7	8	8	8	6	6	6	6	6
OPTION	В	7	7	7	7	8	8	8	6	6	6	6	6
	Α	7	7	7	7	8	8	8	6	6	6	6	6
	GND	-	-	-	-	-	-	-	-	-	-	-	-

GND

METRAL

METRAL						CON	ITAC	T C	ODE				
P/N	ROW	1	2	3	4	5	6	7	8	9	10	П	12
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	G	2	2	2	2	2	2	2	2	2	2	2	2
00000 4000	F	2	2	2	2	2	2	2	2	2	2	2	2
98030-X008 SEE NOTE 14	Ε	2	2	2	2	2	2	2	2	2	2	2	2
ISEE NOTE 14 LIFAD FRFF	D	2	2	2	2	2	2	2	2	1	2	2	2
OPTION	С	2	2	2	2	2	2	2	2	2	2	2	2
OFITON	В	2	2	2	2	2	2	2	2	2	2	2	2
	Α	2	2	2	2	2	2	2	2	2	2	2	2
	GND	-	-	-	-	-	-	-	-	-	-	-	-

* REAR PLUG-UP CODES

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METRAL

P/N

98030-X00I

SEE NOTE I

LEAD FREE

OPTION

METRAL

P/N

98030-X002

SEE NOTE 14

LEAD FREE

OPTION

METRAL

P/N

98030-X003

SEE NOTE I

LEAD FREE

OPTION

GND METRAL CONTACT CODE P/N ROW | 2 3 4 5 6 8 9 10 11 12 G 98030-X004 Ε SEE NOTE 14 D LEAD FREE OPTION В Α IGNDL

mat'l code tolerances unless CUSTOMER otherwise specified ltr ecn no. dr date COPY www.fciconnect.com projection linear METRAL SIGNAL HEADER 2 MOD, 8 ROW, EXT. PRESS-FII angles METRAL code E. KROPER dr 1/15/01 MM product family 213 engr VOLSTORF 1/15/01 size dwg no scale sheet VOLSTORF 1/15/01 98030 chr J. Д 4 appd J. VOLSTORF 1/15/01 sheet revision sheet

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4 3 | 112 CONTACT CODE METRAL CONTACT CODE METRAL P/N P/N ROW | 2 3 4 5 6 7 8 9 10 11 12 ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 H 55 55 55 55 55 55 55 55 55 55 55 55 G G 55 55 55 55 55 55 55 55 55 55 55 55 2 98030-X016 98030-X012 55 55 55 55 55 SEE NOTE 14 55 55 55 55 55 55 55 55 55 55 55 55 55 SEE NOTE 14 D LEAD FREE LEAD FREE С 55 55 55 55 55 55 55 55 55 55 55 55 OPTION OPTION B 55 55 55 55 55 55 55 55 55 55 55 55 GND GND *REAR PLUG-UP CODES CONTACT CODE METRAL P/N 2 3 4 5 6 7 8 9 10 11 12 ROW II 2 98030-X013 SEE NOTE 14 D LEAD FREE OPTION 2 2 GND CONTACT CODE METRAL P/N ROW 3 4 5 6 7 8 9 10 11 12 2 2 2 2 2 2 А 98030-X014 Ε SEE NOTE 14 D LEAD FREE 2 2 2 OPTION 2 2 2 2 2 2 2 2 GND METRAL CONTACT CODE P/N 1 2 3 4 5 6 7 8 9 10 11 12 - 55 55 - 55 -This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCI. No part of the information shown on this document may be used in any way or disclosed to there without the written consent of FCI. Copyright FCI. G - 55 - 55 - |55| 98030-X015 E 55 SEE NOTE 14 D - 55 - 55 LEAD FREE С - |55| - 55 - 55 -OPTION В 55 - 55 - 55 - |55| - |55| - |55| -A 55 - 55 - 55 - 55 - 55 - 55 -GND mat'l code tolerances unless CUSTOMER otherwise specified ltr ecn no. dr date COPY www.fciconnect.com projection linear METRAL SIGNAL HEADER 2 MOD. 8 ROW. EXT. PRESS-FIT METRAL code E. KROPER dr 1/15/01 MM product family engr VOLSTORF 1/15/01 size dwg no VOLSTORF 1/15/01 sheet 98030 5 appd J. VOLSTORF 1/15/01 sheet revision В sheet

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PRODUCT NUMBER 98030 - XYYY 98030-XYYYLF

NOTES:

- I. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING. CURCUIT BOARD DESIGN CONSIDERATIONS. REPAIR PROCEDURES AND PRODUCT OFFERINGS
- 2. UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME YI4.5M, 1994
- 3. HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RFTARDANT PFR UL 94-VO.
- 4. PIN MATERIAL: PHOSPHER BRONZE
- 5. PLATING INFORMATION: SEE TABLE
- 6. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.

DIM A: 5.0mm MIN, 8.0mm MAX FOR ROWS A-H DIM C: 5.0mm MIN, 8.0mm MAX FOR ROWS A-H

- 7. THE MIN PCB THICKNESS FOR REAR PLUG-UP APPLICATIONS IS 1.6mm
- 8. USE SHROUD 98173-102 FOR REAR PLUG-UP APPLICATIONS.
- '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.
- 10. CURRENT RATING : I AMP PER PIN
- II. TEMPERATURE RANGE : -55°C TO +105°C

mat'l code

sheet

ecn no.

dr

revision

sheet

12. P/N 98030-X YYY LF

LEAD FREE OPTION - PIN POSITIONS – PLATING CODE

13. THE 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: 98030-XYYYLF

date

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METRAL SIGNAL HEADER 2 MOD, 8 ROW, EXT. PRESS-FII

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E. KROPER

appd J. VOLSTORF

VOLSTORF

VOLSTORF

STATUS Released

product family

size dwg no

sheet

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