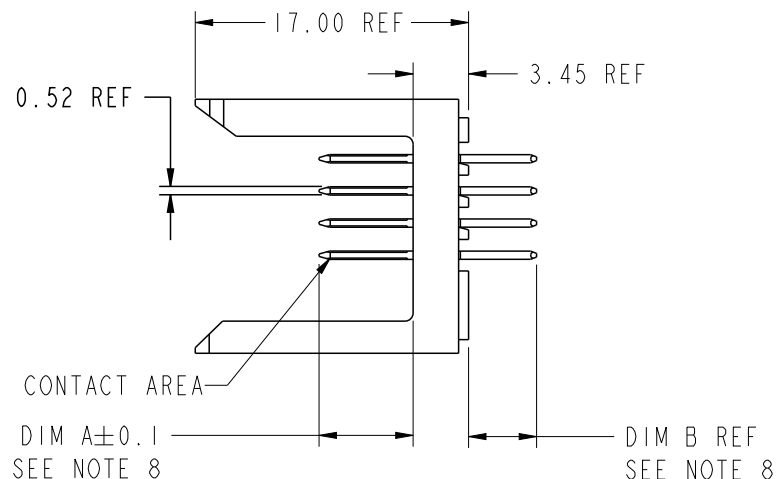
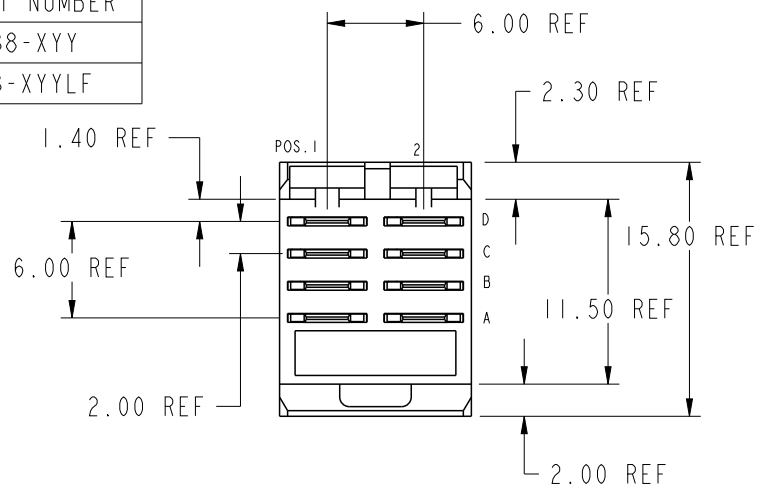


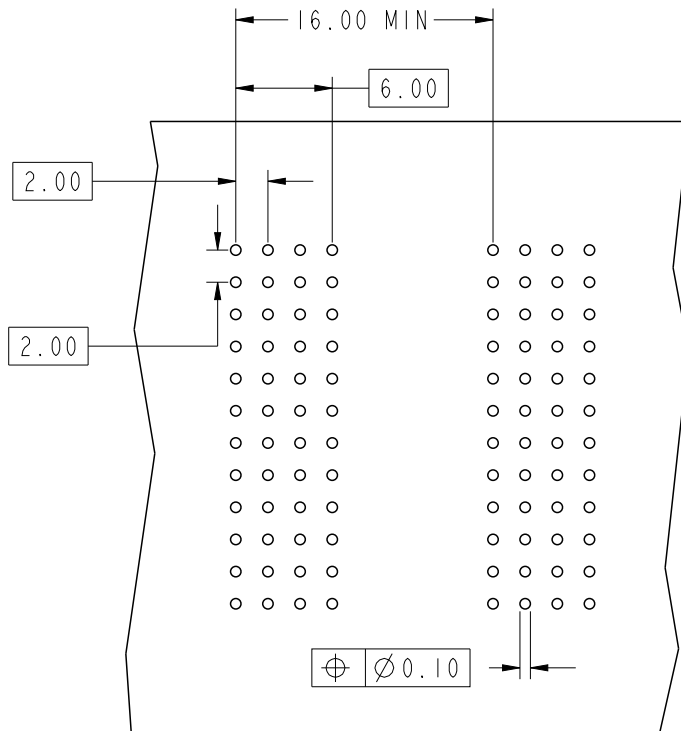
PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-1YY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-1YYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 10
-2YYLF	TELECOM CLASS	SEE NOTE 10
-5YYLF	TELCORDIA UE	SEE NOTE 10

rev	ecn no	dr	date
AL	V06-0498	DCH	2006-05-31
AM	DG09-0256	TER	2009-08-19
AN	DG-006740-1	TER	2011-10-08
AP	ELX-DG-009045-1	ANDY	2011-12-20
-	-	-	-
AJ	V04-1147	DAI	11/24/04
AK	V05-0796	DAI	08/19/05

spec ref *				dr Terran Huang 2010/07/08		projection		mm		size A4		scale 11:10	
tolerance std ASME Y14.5				eng Andy Lu 2011/12/20						ecn no ELX-DG-009045-1		rel level Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr Tao Huang 2011/12/20						product family METRAL			
appr Pei-Ming Zheng 2011/12/20													
surface 3/200 linear				0.X ±0.3				title METRAL POWER HEADER I MOD, 4 ROW PRESS-FIT		dwg no 70238		rev A	
				0.XX ±0.13									
				0.XXX ±.050									
ASME Y14.5 angular 0° ±2°				www.fci.com		cat. no. -		Product - Customer Drw		sheet 1 of 6			



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KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	6.50	4.30
2	7.25	4.30
3	8.00	4.30
4	6.50	13.60
5	7.25	13.60
6	8.00	13.60
7	6.50	17.00
8	7.25	17.00
9	8.00	17.00

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

spec ref		*		dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	21:10	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Andy Lu	2011/12/20			ecn no	ELX-DG-009045-1			
				chr	Tao Huang	2011/12/20							
				appr	Pei-Ming Zheng	2011/12/20							
product family							METRAL		rel level		Released		
surface	3.200 linear	0.X	±0.3		title	METRAL POWER HEADER				dwg no	70238		rev
		0.XX	±0.13										
		0.XXX	±.050										
ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 2 of 6	

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A

B

C

D

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X01 SEE NOTE 11 LEAD FREE OPTION	D	3	I
	C	3	I
	B	3	I
	A	3	I

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X02 SEE NOTE 11 LEAD FREE OPTION	D	3	2
	C	3	2
	B	3	2
	A	3	2

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X03 SEE NOTE 11 LEAD FREE OPTION	D	2	3
	C	2	3
	B	2	3
	A	2	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X04 SEE NOTE 11 LEAD FREE OPTION	D	3	3
	C	3	3
	B	3	3
	A	2	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X05 SEE NOTE 11 LEAD FREE OPTION	D	I	3
	C	I	3
	B	I	3
	A	I	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X06 SEE NOTE 11 LEAD FREE OPTION	D	I	I
	C	-	2
	B	-	3
	A	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X07 SEE NOTE 11 LEAD FREE OPTION	D	2	2
	C	I	I
	B	I	I
	A	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X08 SEE NOTE 11 LEAD FREE OPTION	D	2	2
	C	2	2
	B	2	2
	A	3	2

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X09 SEE NOTE 11 LEAD FREE OPTION	D	2	I
	C	2	I
	B	2	I
	A	2	I

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X10 SEE NOTE 11 LEAD FREE OPTION	D	I	2
	C	I	2
	B	I	2
	A	I	2

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X21 SEE NOTE 11 LEAD FREE OPTION	D	6	4
	C	6	4
	B	6	4
	A	6	4

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X22 SEE NOTE 11 LEAD FREE OPTION	D	6	5
	C	6	5
	B	6	5
	A	6	5

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X23 SEE NOTE 11 LEAD FREE OPTION	D	5	6
	C	5	6
	B	5	6
	A	5	6

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X24 SEE NOTE 11 LEAD FREE OPTION	D	6	6
	C	6	6
	B	6	6
	A	5	6

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X25 SEE NOTE 11 LEAD FREE OPTION	D	4	6
	C	4	6
	B	4	6
	A	4	6

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X26 SEE NOTE 11 LEAD FREE OPTION	D	4	4
	C	-	5
	B	-	6
	A	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X27 SEE NOTE 11 LEAD FREE OPTION	D	5	5
	C	4	4
	B	4	4
	A	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X28 SEE NOTE 11 LEAD FREE OPTION	D	5	5
	C	5	5
	B	5	5
	A	6	5

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X29 SEE NOTE 11 LEAD FREE OPTION	D	5	4
	C	5	4
	B	5	4
	A	5	4

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X30 SEE NOTE 11 LEAD FREE OPTION	D	4	5
	C	4	5
	B	4	5
	A	4	5

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X31 SEE NOTE 11 LEAD FREE OPTION	D	9	7
	C	9	7
	B	9	7
	A	9	7

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X32 SEE NOTE 11 LEAD FREE OPTION	D	9	8
	C	9	8
	B	9	8
	A	9	8

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X33 SEE NOTE 11 LEAD FREE OPTION	D	8	9
	C	8	9
	B	8	9
	A	8	9

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X34 SEE NOTE 11 LEAD FREE OPTION	D	9	9
	C	9	9
	B	9	9
	A	8	9

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X35 SEE NOTE 11 LEAD FREE OPTION	D	7	9
	C	7	9
	B	7	9
	A	7	9

spec ref *		dr Terran Huang 2010/07/08		projection		size A4		scale 1:10	
tolerance std		eng Andy Lu 2011/12/20				mm		ecn no ELX-DG-009045-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr Tao Huang 2011/12/20						rel level Released	
surface 3.200 linear		appr Pei-Ming Zheng 2011/12/20		product family METRAL		dwg no 70238		rev AP	
ASME Y14.5		angular 0° ±2°		title METRAL POWER HEADER I MOD, 4 ROW PRESS-FIT		cat. no. -		Product - Customer Drw	
		www.fci.com						sheet 3 of 6	

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METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X36 SEE NOTE 11 LEAD FREE OPTION	D	7	7
	C	-	8
	B	-	9
	A	9	9

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X37 SEE NOTE 11 LEAD FREE OPTION	D	8	8
	C	7	7
	B	7	7
	A	9	9

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X38 SEE NOTE 11 LEAD FREE OPTION	D	8	8
	C	8	8
	B	8	8
	A	9	8

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X39 SEE NOTE 11 LEAD FREE OPTION	D	8	7
	C	8	7
	B	8	7
	A	8	7

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X40 SEE NOTE 11 LEAD FREE OPTION	D	7	8
	C	7	8
	B	7	8
	A	7	8

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X41 SEE NOTE 11 LEAD FREE OPTION	D	3	2
	C	3	-
	B	3	2
	A	-	-

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X42 SEE NOTE 11 LEAD FREE OPTION	D	-	3
	C	-	3
	B	-	3
	A	-	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X43 SEE NOTE 11 LEAD FREE OPTION	D	3	3
	C	3	3
	B	I	I
	A	I	I

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X44 SEE NOTE 11 LEAD FREE OPTION	D	I	I
	C	I	I
	B	I	3
	A	I	I

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X45 SEE NOTE 11 LEAD FREE OPTION	D	I	I
	C	I	I
	B	I	I
	A	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X46 SEE NOTE 11 LEAD FREE OPTION	D	I	I
	C	I	I
	B	3	I
	A	3	I

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X47 SEE NOTE 11 LEAD FREE OPTION	D	3	3
	C	3	3
	B	I	3
	A	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X48 SEE NOTE 11 LEAD FREE OPTION	D	3	3
	C	3	I
	B	I	I
	A	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X51 SEE NOTE 11 LEAD FREE OPTION	D	6	5
	C	6	-
	B	6	5
	A	-	-

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X52 SEE NOTE 11 LEAD FREE OPTION	D	-	6
	C	-	6
	B	-	6
	A	-	6

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X53 SEE NOTE 11 LEAD FREE OPTION	D	6	6
	C	6	6
	B	4	4
	A	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X54 SEE NOTE 11 LEAD FREE OPTION	D	4	4
	C	4	4
	B	4	6
	A	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X55 SEE NOTE 11 LEAD FREE OPTION	D	4	4
	C	4	4
	B	4	4
	A	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X56 SEE NOTE 11 LEAD FREE OPTION	D	4	4
	C	4	4
	B	6	4
	A	6	4

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X57 SEE NOTE 11 LEAD FREE OPTION	D	6	6
	C	6	6
	B	4	6
	A	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X58 SEE NOTE 11 LEAD FREE OPTION	D	6	6
	C	6	4
	B	4	4
	A	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X61 SEE NOTE 11 LEAD FREE OPTION	D	9	8
	C	9	-
	B	9	8
	A	-	-

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X62 SEE NOTE 11 LEAD FREE OPTION	D	-	9
	C	-	9
	B	-	9
	A	-	9

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X63 SEE NOTE 11 LEAD FREE OPTION	D	9	9
	C	9	9
	B	7	7
	A	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X64 SEE NOTE 11 LEAD FREE OPTION	D	7	7
	C	7	7
	B	7	9
	A	7	7

spec ref *		dr Terran Huang		2010/07/08		projection 	mm 	size A4	scale 1:10
tolerance std TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Andy Lu		2011/12/20				ecn no ELX-DG-009045-1	
		chr Tao Huang		2011/12/20					
		appr Pei-Ming Zheng		2011/12/20		product family METRAL		rel level Released	
surface 3.200 linear	0.X	±0.3			title METRAL POWER HEADER	dwg no 70238	rev AP		
	0.XX	±0.13							
	0.XXX	±.050							
ASME Y14.5 angular 0°		±2°		www.fci.com		cat. no. -		Product - Customer Drw	

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
70238-X85 SEE NOTE 11 LEAD FREE OPTION	D	2	3
	C	2	3
	B	2	3
	A	2	3

A

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
70238-X86 SEE NOTE II LEAD FREE OPTION	D	1	3
	C	3	3
	B	3	3
	A	3	3

B

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
70238-X87 SEE NOTE 11 LEAD FREE OPTION	D	2	3
	C	2	3
	B	2	1
	A	2	3

C

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
70238-X88 SEE NOTE 11 LEAD FREE OPTION	D	3	2
	C	3	2
	B	2	3
	A	2	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
70238-X89 SEE NOTE 11 LEAD FREE OPTION	D	3	2
	C	3	2
	B	1	3
	A	2	3

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METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X90 SEE NOTE 11 LEAD FREE OPTION	D	2	3
	C	2	3
	B	2	1
	A	2	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X91 SEE NOTE 11 LEAD FREE OPTION	D	1	1
	C	1	3
	B	3	3
	A	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X92 SEE NOTE 11 LEAD FREE OPTION	D	-	1
	C	-	1
	B	-	1
	A	-	1

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X93 SEE NOTE 11 LEAD FREE OPTION	D	1	2
	C	2	2
	B	1	3
	A	1	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X94 SEE NOTE 11 LEAD FREE OPTION	D	1	-
	C	1	-
	B	3	-
	A	1	-

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X95 SEE NOTE 11 LEAD FREE OPTION	D	1	-
	C	-	1
	B	1	-
	A	-	1

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X96 SEE NOTE 11 LEAD FREE OPTION	D	3	3
	C	3	2
	B	3	2
	A	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X97 SEE NOTE 11 LEAD FREE OPTION	D	3	1
	C	2	2
	B	2	2
	A	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
70238-X98 SEE NOTE 11 LEAD FREE OPTION	D	3	2
	C	3	2
	B	3	3
	A	3	3



NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL
POLYMER 30 % GLASS.
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:
70238 -XYY IS SnPb
70238-XYLF IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
- PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN
SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"
WILL BE ADDED TO THE END OF THE PART NUMBER.
EXAMPLE: XXXXX-XXXP OR XXXXX-XXPLF
- PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
- A PLATING HAS Au FLASH IN PRESS FIT
AREA (LEAD FREE).
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-22-008.
- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
FOR EXAMPLE: 70238-X01LF
- ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS
IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

spec ref	*	dr	Terran Huang	2010/07/08	projection		size	A4	scale	1:10
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Andy Lu	2011/12/20		mm	ecn no	ELX-DG-009045-1		
		chr	Tao Huang	2011/12/20			rel level	Released		
		appr	Pei-Ming Zheng	2011/12/20	product family	METRAL		rev	AP	
surface	3.200 linear	0.X	±0.3		title		METRAL POWER HEADER		70238	
		0.XX	±0.13							
		0.XXX	±0.050							
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 6 of 6		

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