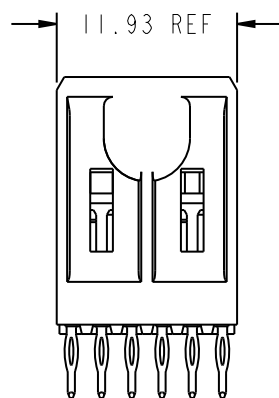
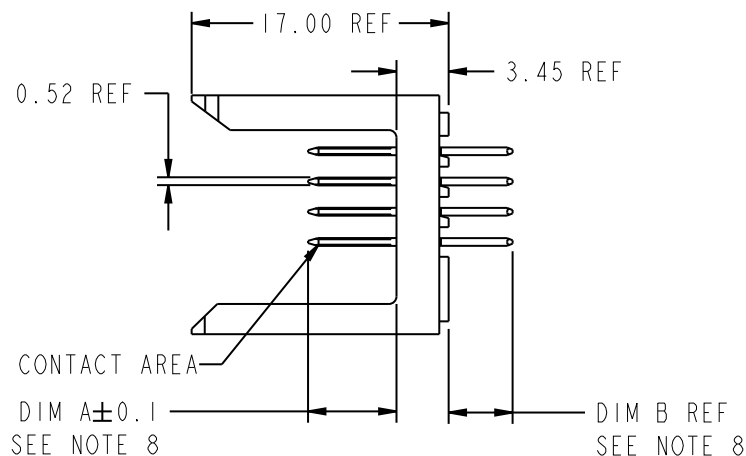
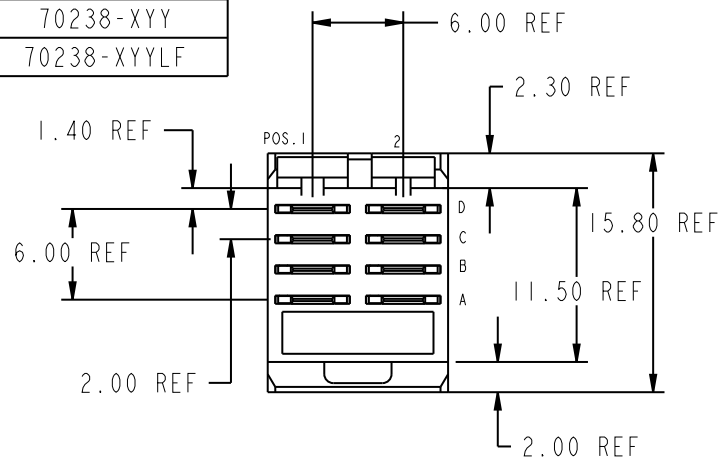




PRODUCT NUMBER
70238-XYX
70238-XYXLF



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

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	projection	title	www.fciconnect.com
AL	V06-0498	DCH	2006-05-31		0.XX ±0.13			METRAL POWER HEADER	
AM	DG09-0256	TER	2009-08-19		.XXX ±.051			1 MOD, 4 ROW PRESS-FIT	
-	-	-	-	angles	0° ±2°			product family	METRAL
AG	V04-0283	DAI	04/05/04	dr	T.BRUNGARD	11/19/99		size	213
AH	V04-1147	DAI	11/24/04	engr	M.STRAWER	11/19/99		dwg no	70238
AJ	V04-1147	DAI	11/24/04	chr	M.STRAWER	11/19/99		scale	1 of 6
AK	V05-0796	DAI	08/19/05	appd	M.STRAWER	02/29/00			
sheet	revision	AM	AM	AM	AM	AM	AM		
index	sheet	1	2	3	4	5	6		

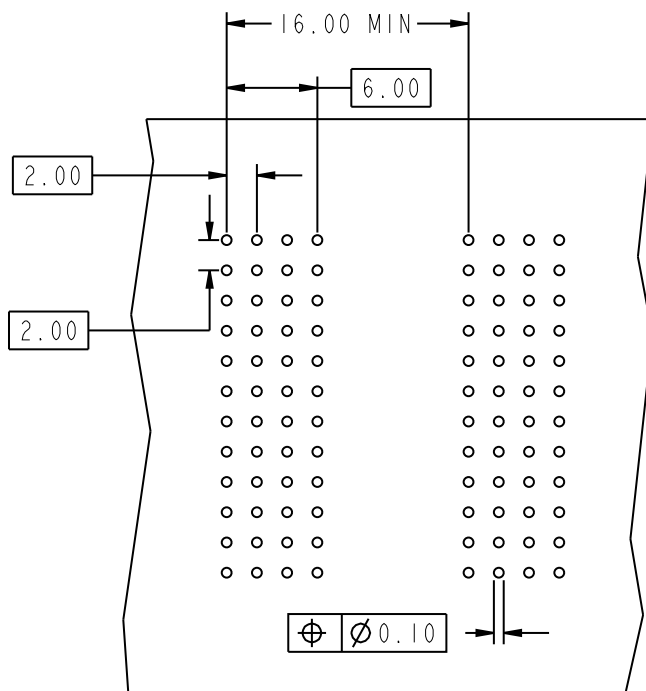
Pro/E

cage code 22526

PDM: Rev:AM

STATUS:Released

Printed: Feb 20, 2010



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

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

mat'l code				tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ± 0.3		COPY			title METRAL POWER HEADER 1 MOD, 4 ROW PRESS-FIT	
AM					0.XX ± 0.13						
					.XXX $\pm .051$						
				angles	0° $\pm 2^\circ$					product family	
				dr	T.BRUNGARD	11/19/99				METRAL	
				enrg	M.STRAWSE	11/19/99				code	
				chr	M.STRAWSE	11/19/99	scale		size	dwg no	213
				appd	M.STRAWSE	02/29/00	2:1		A	70238	sheet 2
sheet index	revision sheet										

cage code 22526

Pro/E

PDM: Rev:AM

STATUS:Released

Printed: Feb 20, 2010



1 2				3				4											
METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1					
70238-X01 SEE NOTE 11 LEAD FREE OPTION	D	3	1	70238-X06 SEE NOTE 11 LEAD FREE OPTION	D	1	1	70238-X21 SEE NOTE 11 LEAD FREE OPTION	D	6	4	70238-X26 SEE NOTE 11 LEAD FREE OPTION	D	4	4	70238-X31 SEE NOTE 11 LEAD FREE OPTION	D	9	7
	C	3	1		C	-	2		C	-	5		C	9	7				
	B	3	1		B	-	3		B	-	6		B	9	7				
	A	3	1		A	3	3		A	6	6		A	9	7				
METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1					
70238-X02 SEE NOTE 11 LEAD FREE OPTION	D	3	2	70238-X07 SEE NOTE 11 LEAD FREE OPTION	D	2	2	70238-X22 SEE NOTE 11 LEAD FREE OPTION	D	6	5	70238-X27 SEE NOTE 11 LEAD FREE OPTION	D	5	5	70238-X32 SEE NOTE 11 LEAD FREE OPTION	D	9	8
	C	3	2		C	1	1		C	6	5		C	4	4		C	9	8
	B	3	2		B	1	1		B	6	5		B	4	4		B	9	8
	A	3	2		A	3	3		A	6	6		A	9	8				
METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1					
70238-X03 SEE NOTE 11 LEAD FREE OPTION	D	2	3	70238-X08 SEE NOTE 11 LEAD FREE OPTION	D	2	2	70238-X23 SEE NOTE 11 LEAD FREE OPTION	D	5	6	70238-X28 SEE NOTE 11 LEAD FREE OPTION	D	5	5	70238-X33 SEE NOTE 11 LEAD FREE OPTION	D	8	9
	C	2	3		C	2	2		C	5	6		C	5	5		C	8	9
	B	2	3		B	2	2		B	5	6		B	5	5		B	8	9
	A	2	3		A	3	2		A	5	6		A	6	5		A	8	9
METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1					
70238-X04 SEE NOTE 11 LEAD FREE OPTION	D	3	3	70238-X09 SEE NOTE 11 LEAD FREE OPTION	D	2	1	70238-X24 SEE NOTE 11 LEAD FREE OPTION	D	6	6	70238-X29 SEE NOTE 11 LEAD FREE OPTION	D	5	4	70238-X34 SEE NOTE 11 LEAD FREE OPTION	D	9	9
	C	3	3		C	2	1		C	6	6		C	5	4		C	9	9
	B	3	3		B	2	1		B	6	6		B	5	4		B	9	9
	A	2	3		A	2	1		A	5	6		A	5	4		A	8	9
METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1					
70238-X05 SEE NOTE 11 LEAD FREE OPTION	D	1	3	70238-X10 SEE NOTE 11 LEAD FREE OPTION	D	1	2	70238-X25 SEE NOTE 11 LEAD FREE OPTION	D	4	6	70238-X30 SEE NOTE 11 LEAD FREE OPTION	D	4	5	70238-X35 SEE NOTE 11 LEAD FREE OPTION	D	7	9
	C	1	3		C	1	2		C	4	6		C	4	5		C	7	9
	B	1	3		B	1	2		B	4	6		B	4	5		B	7	9
	A	1	3		A	1	2		A	4	6		A	4	5		A	7	9
mat'l code lfr ecn no. dr date AM linear angles dr enrg chr appd sheet index revision sheet tolerances unless otherwise specified 0.X ±0.3 0.XX ±0.13 .XXX ±.051 0° ±2° T.BRUNGARD 11/19/99 M.STRAWSE 11/19/99 M.STRAWSE 11/19/99 M.STRAWSE 02/29/00 CUSTOMER COPY projection MM scale 2:1 FCI www.fciconnect.com title METRAL POWER HEADER 1 MOD, 4 ROW PRESS-FIT product family METRAL code 213 size dwg no 70238 sheet 3																			
1 2				Pro/E				3				cage code 22526				4			



1 2				3				4			
METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1	
70238-X36 SEE NOTE 11 LEAD FREE OPTION	D	7	7	70238-X41 SEE NOTE 11 LEAD FREE OPTION	D	3	2	70238-X46 SEE NOTE 11 LEAD FREE OPTION	D	1	1
	C	-	8		C	3	-		C	1	1
	B	-	9		B	3	2		B	3	1
	A	9	9		A	-	-		A	3	1
70238-X37 SEE NOTE 11 LEAD FREE OPTION	D	8	8	70238-X42 SEE NOTE 11 LEAD FREE OPTION	D	-	3	70238-X47 SEE NOTE 11 LEAD FREE OPTION	D	3	3
	C	7	7		C	-	3		C	3	3
	B	7	7		B	-	3		B	1	3
	A	9	9		A	-	3		A	3	3
70238-X38 SEE NOTE 11 LEAD FREE OPTION	D	8	8	70238-X43 SEE NOTE 11 LEAD FREE OPTION	D	3	3	70238-X48 SEE NOTE 11 LEAD FREE OPTION	D	3	3
	C	8	8		C	3	3		C	3	1
	B	8	8		B	1	1		B	1	1
	A	9	8		A	1	1		A	3	3
70238-X39 SEE NOTE 11 LEAD FREE OPTION	D	8	7	70238-X44 SEE NOTE 11 LEAD FREE OPTION	D	1	1	70238-X51 SEE NOTE 11 LEAD FREE OPTION	D	6	5
	C	8	7		C	1	1		C	6	-
	B	8	7		B	1	3		B	6	5
	A	8	7		A	1	1		A	-	-
70238-X40 SEE NOTE 11 LEAD FREE OPTION	D	7	8	70238-X45 SEE NOTE 11 LEAD FREE OPTION	D	1	1	70238-X52 SEE NOTE 11 LEAD FREE OPTION	D	-	6
	C	7	8		C	1	1		C	-	6
	B	7	8		B	1	1		B	-	6
	A	7	8		A	3	3		A	-	6
70238-X53 SEE NOTE 11 LEAD FREE OPTION	D	6	6	70238-X54 SEE NOTE 11 LEAD FREE OPTION	D	4	4	70238-X55 SEE NOTE 11 LEAD FREE OPTION	D	4	4
	C	6	6		C	4	4		C	4	4
	B	4	4		B	4	6		B	4	4
	A	4	4		A	4	4		A	6	6
70238-X58 SEE NOTE 11 LEAD FREE OPTION	D	6	6	70238-X61 SEE NOTE 11 LEAD FREE OPTION	D	9	8	70238-X62 SEE NOTE 11 LEAD FREE OPTION	D	-	9
	C	6	4		C	9	-		C	-	9
	B	4	4		B	9	8		B	-	9
	A	6	6		A	-	-		A	-	9
70238-X63 SEE NOTE 11 LEAD FREE OPTION	D	9	9	70238-X64 SEE NOTE 11 LEAD FREE OPTION	D	7	7	70238-X65 SEE NOTE 11 LEAD FREE OPTION	D	6	6
	C	9	9		C	7	7		C	6	6
	B	7	7		B	7	9		B	4	6
	A	7	7		A	7	7		A	6	6

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCJ www.fcjconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3		COPY		projection	title	
AM					0.XX ±0.13					METRAL POWER HEADER	
					.XXX ±.051					1 MOD, 4 ROW PRESS-FIT	
					0° ±°						
				angles	dr	T.BRUNGARD	11/19/99	MM scale 2:1	product family METRAL	code 213	sheet 4
					enrg	M.STRAWSE	11/19/99				
					chr	M.STRAWSE	11/19/99				
					appd	M.STRAWSE	02/29/00				
sheet index	revision sheet										
				Pro/E				3		cage code 22526	



1 2				3				4			
METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1		METRAL P/N	ROW	CONTACT CODE MOD. 1	
70238-X65 SEE NOTE 11 LEAD FREE OPTION	D	7	7	70238-X70 SEE NOTE 11 LEAD FREE OPTION	D	1	1	70238-X75 SEE NOTE 11 LEAD FREE OPTION	D	3	2
	C	7	7		C	2	2		C	3	2
	B	7	7		B	1	1		B	1	3
	A	9	9		A	2	2		A	2	3
70238-X66 SEE NOTE 11 LEAD FREE OPTION	D	7	7	70238-X71 SEE NOTE 11 LEAD FREE OPTION	D	3	3	70238-X76 SEE NOTE 11 LEAD FREE OPTION	D	2	2
	C	7	7		C	-	-		C	1	1
	B	9	7		B	2	2		B	1	1
	A	9	7		A	2	2		A	1	1
70238-X67 SEE NOTE 11 LEAD FREE OPTION	D	9	9	70238-X72 SEE NOTE 11 LEAD FREE OPTION	D	1	1	70238-X77 SEE NOTE 11 LEAD FREE OPTION	D	2	2
	C	9	9		C	-	-		C	3	3
	B	7	9		B	-	-		B	2	2
	A	9	9		A	1	1		A	3	2
70238-X68 SEE NOTE 11 LEAD FREE OPTION	D	9	9	70238-X73 SEE NOTE 11 LEAD FREE OPTION	D	2	3	70238-X78 SEE NOTE 11 LEAD FREE OPTION	D	3	3
	C	9	7		C	2	3		C	3	3
	B	7	7		B	2	1		B	3	3
	A	9	9		A	2	3		A	2	3
70238-X69 SEE NOTE 11 LEAD FREE OPTION	D	2	2	70238-X74 SEE NOTE 11 LEAD FREE OPTION	D	3	2	70238-X79 SEE NOTE 11 LEAD FREE OPTION	D	-	2
	C	2	2		C	3	2		C	-	2
	B	1	1		B	2	3		B	-	2
	A	2	3		A	2	3		A	-	2
70238-X80 SEE NOTE 11 LEAD FREE OPTION	D	1	3	70238-X81 SEE NOTE 11 LEAD FREE OPTION	D	3	1	70238-X82 SEE NOTE 11 LEAD FREE OPTION	D	1	1
	C	1	3		C	3	1		C	1	1
	B	1	3		B	3	1		B	3	3
	A	1	3		A	3	1		A	3	1
70238-X85 SEE NOTE 11 LEAD FREE OPTION	D	2	3	70238-X86 SEE NOTE 11 LEAD FREE OPTION	D	1	3	70238-X87 SEE NOTE 11 LEAD FREE OPTION	D	2	3
	C	2	3		C	3	3		C	2	3
	B	2	3		B	3	3		B	2	1
	A	2	3		A	3	3		A	2	3
70238-X83 SEE NOTE 11 LEAD FREE OPTION	D	1	1	70238-X88 SEE NOTE 11 LEAD FREE OPTION	D	3	2	70238-X89 SEE NOTE 11 LEAD FREE OPTION	D	3	2
	C	1	1		C	3	2		C	3	2
	B	3	2		B	1	3		B	1	3
	A	1	1		A	2	3		A	2	3
70238-X84 SEE NOTE 11 LEAD FREE OPTION	D	3	2	70238-X89 SEE NOTE 11 LEAD FREE OPTION	D	3	2	70238-X89 SEE NOTE 11 LEAD FREE OPTION	D	3	2
	C	3	2		C	3	2		C	3	2
	B	3	2		B	1	3		B	1	3
	A	3	2		A	2	3		A	2	3

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		www.fciconnect.com	
AM				linear	0.XX ±0.13	projection		title	
				angles	.XXX ±.051			METRAL POWER HEADER 1 MOD, 4 ROW PRESS-FIT	
				dr	T.BRUNGARD 11/19/99			product family	
				engr	M.STRAWSE 11/19/99	MM		METRAL	
				chr	M.STRAWSE 11/19/99	scale		code	
				appd	M.STRAWSE 02/29/00	2:1		213	
sheet	revision							sheet	
index	sheet							5	
								cage code	22526



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

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

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

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 -XXX IS SnPb
70238 -XXYLF 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-XXXPLF
- 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.
EXAMPLE: 70238-X01LF
- ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS
IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI			
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	www.fciconnect.com			
AM					0.XX ±0.13			title			
					.XXX ±.051			METRAL POWER HEADER 1 MOD, 4 ROW PRESS-FIT			
				angles	0° ±2°		MM	product family			
				dr	T.BRUNGARD 11/19/99			METRAL			
				enrg	M.STRAWSE 11/19/99			code			
				chr	M.STRAWSE 11/19/99	scale	2:1	size			
				appd	M.STRAWSE 02/29/00			dwg no			
sheet	revision							A			
index	sheet							70238			
								213			
								sheet			
								6			
								cage code			
								22526			