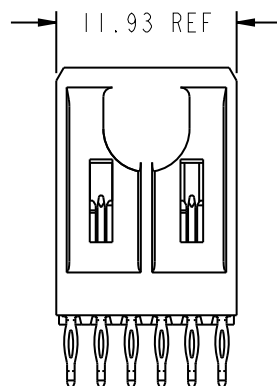
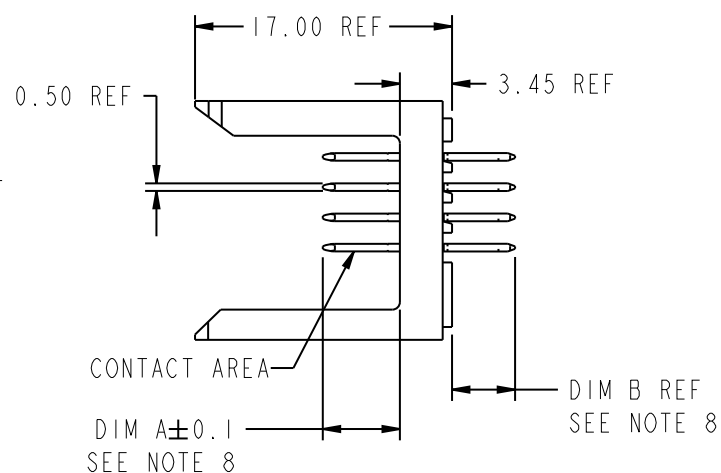
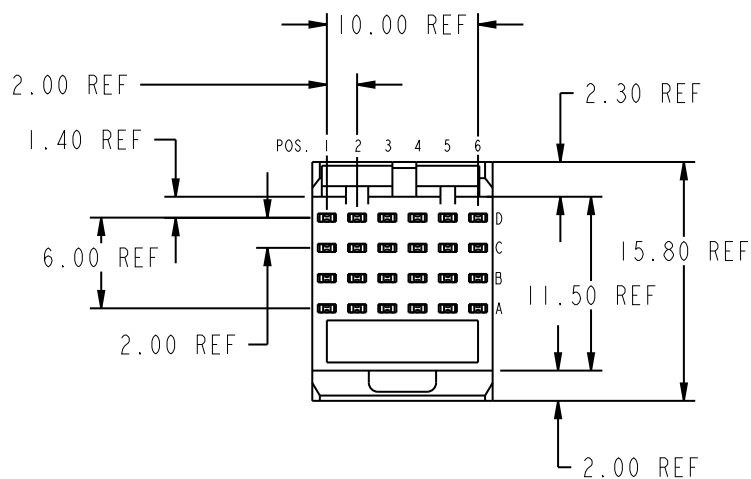
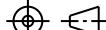


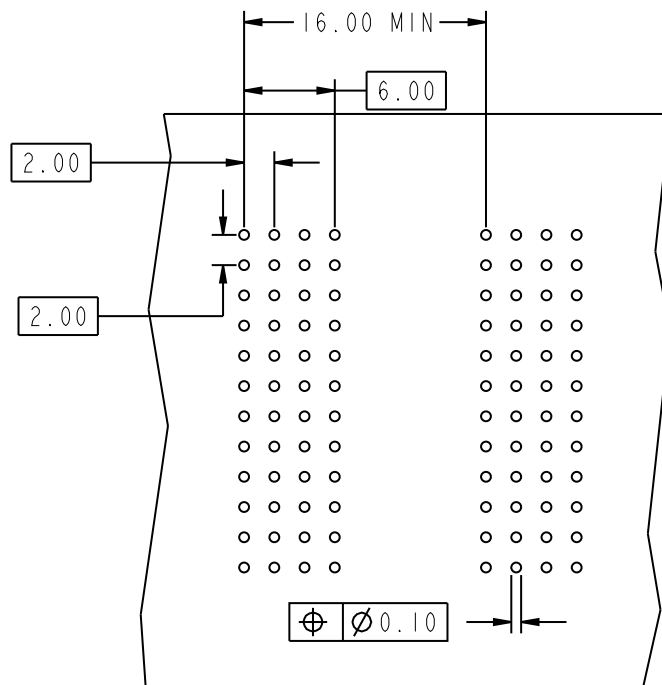


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PRODUCT NUMBER
SEE TABLE



mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0.X ± 0.3		COPY			title		
AH	V06-0569	DCH	2006-06-13		0.XX ± 0.13		projection			METRAL SIGNAL HEADER		
AJ	DG09-0256	TER	2009-08-19		.XXX $\pm .051$					I MOD, 4 ROW PRESS-FIT		
-	-	-	-	angles	0° $\pm 2°$					product family		
AD	V03-0025	JWS	02/06/03	dr	T.BRUNGARD	11/19/99	METRAL			code		
AE	V03-1321	DAI	01/15/04	enr	M.STRAWER	11/19/99	213			sheet		
AF	V04-0794	TAB	08/13/04	chr	M.STRAWER	11/19/99	scale			1 of 6		
AG	V05-0368	DPU	06/01/05	appd	M.STRAWER	02/29/00	2:1		A		88921	
sheet index		revision		AJ	AJ	AJ	AJ	AJ				
		sheet		1	2	3	4	5				



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	5.00	4.30
2	5.75	4.30
3	6.50	4.30
4	7.25	4.30
5	5.00	13.60
6	5.75	13.60
7	6.50	13.60
8	7.25	13.60
9	5.00	17.00
10	5.75	17.00
11	6.50	17.00
12	7.25	17.00
13	8.25	4.30
14	8.25	13.60
15	8.25	17.00
16	7.00	4.30
17	7.00	13.60
18	7.00	17.00
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
22	5.00	12.10
25	5.75	15.60

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
40	5.00	15.60
41	6.50	15.60
42	7.25	15.60
43	8.00	15.60
44	5.75	12.10
45	6.50	12.10
59	5.00	11.80
60	5.75	11.80
61	6.50	11.80
62	7.25	11.80
63	8.00	11.80

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ± 0.3	projection		title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT	
AJ					0.XX ± 0.13				
					.XXX ± 0.051				
				angles	0° $\pm 2^\circ$		product family METRAL	code 213	
				dr	T.BRUNGARD 11/19/99				
				enrg	M.STRAWSE 11/19/99				
				chr	M.STRAWSE 11/19/99	size A	dwg no 88921	sheet 2	
				appd	M.STRAWSE 02/29/00				
sheet index		revision sheet				scale 2:1			



- 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 AREA :SEE PRODUCT NUMBER TABLE.
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE ON SHEET3.
 - 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, 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 BOARD WITH QUALIFIED TOOLING.
 - THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-12-008.
 - ALL THE PRODUCTS EXCEPT THOSE WITH PART NUMBERS
CONTAINING 88921-NI---OR 88921-N5---WILL WITHSTAND
EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A
CONVECTION, INFRA-RED OR VAPOR PHASE
REFLOW OVEN. PART NUMBERS 88921-NI---AND 88921-N5---
WILL NOT WITHSTAND REFLOW AND THE A_u CONTACT SURFACE OF
THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140 DEGREES
C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER
APPLICATION.

mat'l code		SEE NOTES		tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY			title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT
AJ					0.XX ±0.13	projection			
					.XXX ±.051				
				angles	0° ±2°				
				dr	T.BRUNGARD	11/19/99	product family		METRAL
				enrg	x. xxxxxx	mm/dd/yy	size		dwg no
				chr	M.STRAWSER	11/19/99	A		88921
				appd	M.STRAWSER	02/29/00	scale		1:1
sheet	revision								
index	sheet								

cage code 22526

Pro/E

PDM: Rev:AJ

STATUS:Released

Printed: Sep 16, 2009



METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X01 AND 88921-X01LF	D	-	2	-	2	-	2	
	C	-	2	-	2	-	2	
	B	-	2	-	2	-	2	
	A	-	2	-	2	-	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X02 AND 88921-X02LF	D	-	6	-	6	-	6	
	C	-	6	-	6	-	6	
	B	-	6	-	6	-	6	
	A	-	6	-	6	-	6	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X03 AND 88921-X03LF	D	3	3	3	3	3	3	
	C	4	4	4	4	4	4	
	B	4	4	4	4	4	4	
	A	4	4	4	4	4	4	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X04 AND 88921-X04LF	D	7	7	7	7	7	7	
	C	8	8	8	8	8	8	
	B	8	8	8	8	8	8	
	A	8	8	8	8	8	8	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X05 AND 88921-X05LF	D	13	2	2	2	2	2	
	C	13	2	2	2	2	2	
	B	13	2	2	2	2	2	
	A	13	2	2	2	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X06 AND 88921-X06LF	D	14	6	6	6	6	6	
	C	14	6	6	6	6	6	
	B	14	6	6	6	6	6	
	A	14	6	6	6	6	6	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X07 AND 88921-X07LF	D	15	10	10	10	10	10	
	C	15	10	10	10	10	10	
	B	15	10	10	10	10	10	
	A	15	10	10	10	10	10	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X08 AND 88921-X08LF	D	16	2	2	2	2	2	
	C	16	2	2	2	2	2	
	B	16	2	2	2	2	2	
	A	16	2	2	2	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X09 AND 88921-X09LF	D	17	6	6	6	6	6	
	C	17	6	6	6	6	6	
	B	17	6	6	6	6	6	
	A	17	6	6	6	6	6	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X10 AND 88921-X10LF	D	18	10	10	10	10	10	
	C	18	10	10	10	10	10	
	B	18	10	10	10	10	10	
	A	18	10	10	10	10	10	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X11 AND 88921-X11LF	D	13	16	16	16	16	13	
	C	13	16	16	16	16	13	
	B	13	16	16	16	16	13	
	A	13	16	16	16	16	13	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X12 AND 88921-X12LF	D	14	17	17	17	17	14	
	C	14	17	17	17	17	14	
	B	14	17	17	17	17	14	
	A	14	17	17	17	17	14	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X13 AND 88921-X13LF	D	15	18	18	18	18	15	
	C	15	18	18	18	18	15	
	B	15	18	18	18	18	15	
	A	15	18	18	18	18	15	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X14 AND 88921-X14LF	D	2	2	2	3	2	2	
	C	2	2	2	3	2	2	
	B	2	1	2	3	2	2	
	A	2	2	2	3	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X15 AND 88921-X15LF	D	4	4	4	4	4	2	
	C	3	3	3	3	3	3	
	B	3	3	3	3	3	3	
	A	3	3	3	3	3	3	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X16 AND 88921-X16LF	D	13	13	13	13	-	13	
	C	13	13	13	13	-	13	
	B	13	13	13	13	-	13	
	A	13	13	13	13	-	13	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X17 AND 88921-X17LF	D	25	25	25	25	25	25	
	C	25	25	25	25	25	25	
	B	25	25	25	25	25	25	
	A	25	25	25	25	25	25	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X18 AND 88921-X18LF	D	3	1	1	1	1	1	
	C	3	1	1	1	1	1	
	B	3	1	1	1	1	1	
	A	3	1	1	1	1	1	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X19 AND 88921-X19LF	D	2	2	2	2	2	2	
	C	4	2	4	2	4	2	
	B	2	4	2	4	2	4	
	A	2	2	2	2	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X20 AND 88921-X20LF	D	19	3	3	3	3	19	
	C	19	3	3	3	3	19	
	B	19	3	3	3	3	19	
	A	19	3	3	3	3	19	

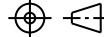
METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X21 AND 88921-X21LF	D	4	4	4	4	19	19	
	C	4	4	4	4	19	19	
	B	4	4	4	4	19	19	
	A	4	4	4	4	19	19	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X22 AND 88921-X22LF	D	8	8	8	20	20	20	
	C	8	8	8	20	20	20	
	B	8	8	8	20	20	20	
	A	8	8	8	20	20	20	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X23 AND 88921-X23LF	D	4	1	4	1	1	1	
	C	4	1	1	1	1	1	
	B	4	1	1	1	1	1	
	A	4	1	4	1	1	1	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X24 AND 88921-X24LF	D	22	22	22	22	22	22	
	C	44	44	44	44	44	44	
	B	44	44	44	44	44	44	
	A	45	45	45	45	45	45	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X25 AND 88921-X25LF	D	3	3	3	3	3	-	
	C	3	3	3	3	3	-	
	B	3	3	3	3	3	-	
	A	-	-	3	3	3	-	

mat'l code				--				tolerances unless otherwise specified				CUSTOMER		 www.fciconnect.com			
lfr	ecr no.	dr	date	linear	0.X ±0.3			COPY			title						
A J					0.XX ±0.13			projection			METRAL SIGNAL HEADER						
					.XXX ±.051						I METAL, 4 ROW PRESS-FIT						
				angles	0° ±2°						product family				code		
				dr	T.BRUNGARD 11/19/99						METRAL		213				
				enrg	M.STRAWSER 11/19/99						size		sheet				
				chr	M.STRAWSER 11/19/99						88921		4				
				appd	M.STRAWSER 02/29/00						A						
sheet index		revision sheet															

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com		
lfr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT	product family	METRAL	
AJ					0.XX ±0.13							
					.XXX ±.051							
				angles	0° ±°	MM	scale	A	88921	code	213	
				dr	T.BRUNGARD							11/19/99
				enrg	M.STRAWSE							11/19/99
				chr	M.STRAWSE	11/19/99						
				appd	M.STRAWSE	02/29/00						
sheet	revision											
index	sheet											

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X30 AND 88921-X30LF	D	3	3	3	1	9	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X35 AND 88921-X35LF	D	-	3	-	3	-	3
	C	3	-	3	-	3	-
	B	-	3	-	3	-	3
	A	3	-	3	-	3	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X40 AND 88921-X40LF	D	-	61	-	61	-	61
	C	61	-	61	-	61	-
	B	-	61	-	61	-	61
	A	61	-	61	-	61	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X45 AND 88921-X45LF	D	-	7	-	7	-	7
	C	7	-	7	-	7	-
	B	-	7	-	7	-	7
	A	7	-	7	-	7	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X50 AND 88921-X50LF	D	-	41	-	41	-	41
	C	41	-	41	-	41	-
	B	-	41	-	41	-	41
	A	41	-	41	-	41	-

[illegible]



METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X51 AND 88921-X51LF	D	-	42	-	42	-	42
	C	42	-	42	-	42	-
	B	-	42	-	42	-	42
	A	42	-	42	-	42	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X56 AND 88921-X56LF	D	-	12	-	12	-	12
	C	12	-	12	-	12	-
	B	-	12	-	12	-	12
	A	12	-	12	-	12	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X61 AND 88921-X61LF	D	7	6	6	5	6	6
	C	7	6	5	5	7	6
	B	7	6	6	6	6	6
	A	7	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X52 AND 88921-X52LF	D	-	43	-	43	-	43
	C	43	-	43	-	43	-
	B	-	43	-	43	-	43
	A	43	-	43	-	43	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X57 AND 88921-X57LF	D	-	21	-	21	-	21
	C	21	-	21	-	21	-
	B	-	21	-	21	-	21
	A	21	-	21	-	21	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X62 AND 88921-X62LF	D	19	-	4	-	3	19
	C	19	-	4	-	-	19
	B	-	19	-	4	-	19
	A	-	19	-	4	-	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X53 AND 88921-X53LF	D	-	9	-	9	-	9
	C	9	-	9	-	9	-
	B	-	9	-	9	-	9
	A	9	-	9	-	9	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X58 AND 88921-X58LF	D	20	6	7	7	7	7
	C	20	7	7	7	7	7
	B	20	7	7	7	7	7
	A	20	7	5	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X54 AND 88921-X54LF	D	-	10	-	10	-	10
	C	10	-	10	-	10	-
	B	-	10	-	10	-	10
	A	10	-	10	-	10	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X59 AND 88921-X59LF	D	1	1	2	1	1	1
	C	1	1	2	1	1	1
	B	1	1	2	1	1	1
	A	1	1	2	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X55 AND 88921-X55LF	D	-	11	-	11	-	11
	C	11	-	11	-	11	-
	B	-	11	-	11	-	11
	A	11	-	11	-	11	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X60 AND 88921-X60LF	D	2	2	2	3	2	3
	C	2	2	2	3	2	3
	B	2	2	2	3	2	3
	A	2	2	2	3	2	3

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com		
lfr	ecn no.	dr	date	linear	0.X ± 0.3	COPY		title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT		
AJ					0.XX ± 0.13	projection				
					.XXX $\pm .051$					
				angles	0° $\pm 2^\circ$					
				dr	T.BRUNGARD	11/19/99	MM		product family METRAL	
				enrg	M.STRAWSE	11/19/99	A		size	
				chr	M.STRAWSE	11/19/99	scale 1:1		dwg no	
				appd	M.STRAWSE	02/29/00			88921	
sheet	revision								code	
index	sheet								213	
									sheet	
									6	