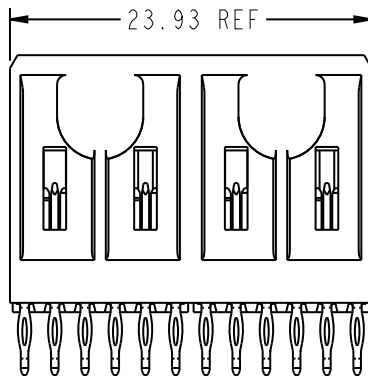
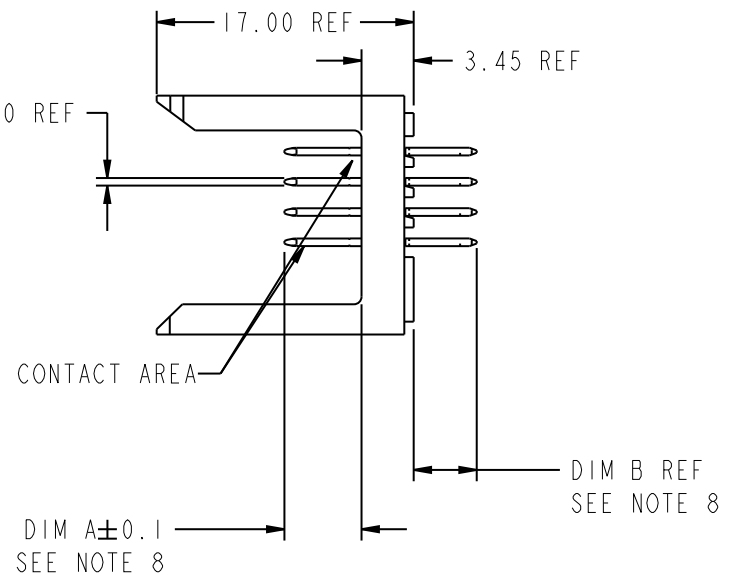
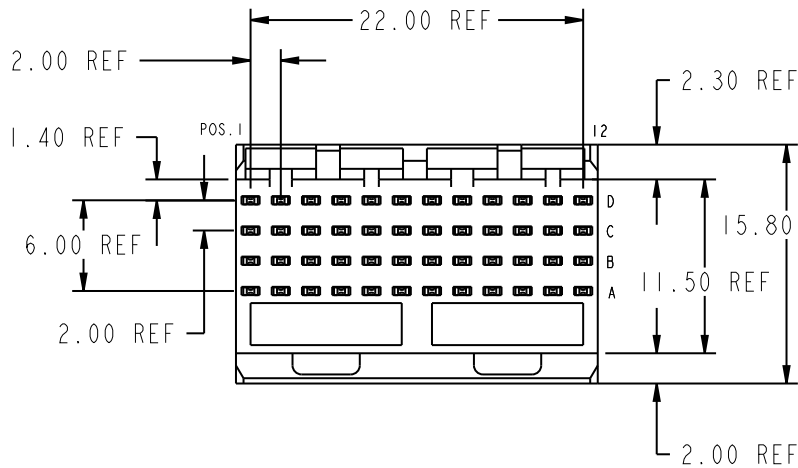


PRODUCT NUMBER  
SEE TABLE

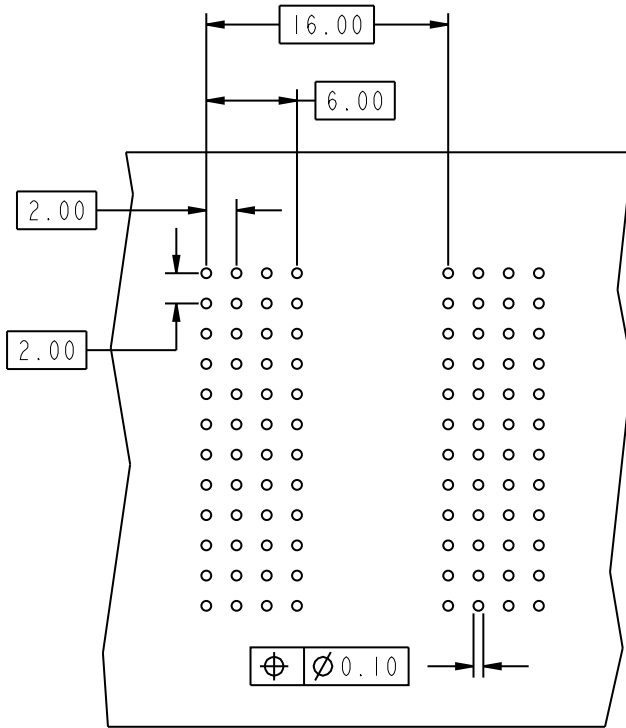


mat'l code				tolerances unless otherwise specified				CUSTOMER		FCJ		www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3		COPY		projection	title			
AU	V06-0569	DCH	2006-06-13		0.XX ±0.13		MM			METRAL SIGNAL HEADER			
AV	DG09-0256	TER	2009-08-19		.XXX ±.051		2:1			2 MOD, 4 ROW PRESS-FIT			
-	-	-	-	angles	0° ±2°		scale		product family		code		
AP	V04-0913	HTB	09/09/04	dr	T.BRUNGARD	11/19/99	A		METRAL		213		
AR	V04-0990	DAI	09/30/04	engr	M.STRAWSER	11/19/99	A		size		sheet		
AS	V05-0053	TAB	02/17/05	chr	M.STRAWSER	11/19/99	A		88922		1 of 7		
AT	V05-0368	DPU	06/01/05	appd	M.STRAWSER	02/29/00	A		cage code		4		
sheet index	revision sheet	AV	AV	AV	AV	AV	AV	AV	22526		4		

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCJ. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCJ. Copyright FCJ.



This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCJ. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCJ. Copyright FCJ.



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
11	6.50	17.00
17	7.00	13.60
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
25	5.75	15.60
52	8.00	14.90
64	5.75	14.90
69	7.25	14.90


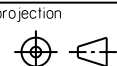
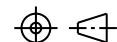

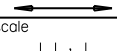
mat'l code				--		tolerances unless otherwise specified		CUSTOMER		www.fcjconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY			title	
AV					0.XX ±0.13		projection			METRAL SIGNAL HEADER	
					.XXX ±.051					2 MOD, 4 ROW PRESS-FIT	
				angles	0° ±2°				product family		
				dr	T.BRUNGARD	11/19/99	MM		METRAL		
				enr	M.STRAWSER	11/19/99			code		
				chr	M.STRAWSER	11/19/99	A		213		
				appd	M.STRAWSER	02/29/00	88922		sheet		
sheet index		revision sheet								2	

cage code 22526

PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFORMANCE LEVEL OF PLATING IN CONTACT AREA
88922-NIYY	STANDARD	TIN LEAD	TELCORDIA CO (NXT)
88922-N5YY	STANDARD	TIN LEAD	TELCORDIA UE (NXT)
88922-IYY	STANDARD	TIN LEAD	TELCORDIA CO
88922-2YY	STANDARD	TIN LEAD	TELECOM CLASS
88922-3YY	STANDARD	TIN LEAD	IEC CLASS I
88922-5YY	STANDARD	TIN LEAD	TELCORDIA UE
88922-NIYYLF	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 9 AND 10
88922-N5YYLF	LEAD FREE	TIN	TELCORDIA UE (NXT) SEE NOTES 9 AND 10
88922-IYYLF	LEAD FREE	TIN	TELCORDIA CO , IEC CLASS I, SEE NOTES 9 AND 10
88922-2YYLF	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 9 AND 10
88922-5YYLF	LEAD FREE	TIN	TELECORDIA UE , SEE NOTES 9 AND 10

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL POLYMER 30 % GLASS. FLAME RETARDANT ACC. UL 94-V0.
3. PIN MATERIAL: PHOSPHOR BRONZE.
4. PLATING ON PRESS-FIT TAIL AREA: SEE PRODUCT NUMBER TABLE. PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE ON SHEET3.
5. PRODUCT MARKING: PART NUMBER DESIGNATION & BATCH I.D.
6. 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-XXXX OR XXXXX-XXXXLF
7. PRODUCT SPECIFICATION: GS-12-180 APPLICATION SPECIFICATION: BUS-20-073
8. AFTER INSERTION INTO BOARD WITH QUALIFIED TOOLING.
9. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-12-008.
10. ALL THE PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING 88922-NI---OR 88922-N5---WILL WITHSTAND EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. PART NUMBERS 88922-NI---AND 88922-N5--- WILL NOT WITHSTAND REFLOW AND THE Au 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	
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY		 title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
AV					0.XX ±0.13		projection		
					.XXX ±.051				
				angles	0° ±2°		 product family METRAL code		
		dr	T.BRUNGARD	11/19/99	MM		size		213
		engr	x. xxxxxx	mm/dd/yy	 scale		dwg no		3
		chr	M.STRAWSER	11/19/99	11:1		88922		3
		appd	M.STRAWSER	02/29/00			A		
sheet index	revision sheet								

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCJ. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCJ. Copyright FCJ.





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 others without the written consent of FCI.  
 Copyright FCI.

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X01 AND 88922-X01LF	D	-	2	-	2	-	2	-	2	-	2	-	2
	C	-	2	-	2	-	2	-	2	-	2	-	2
	B	-	2	-	2	-	2	-	2	-	2	-	2
	A	-	2	-	2	-	2	-	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X05 AND 88922-X05LF	D	25	25	25	25	25	25	25	25	25	25	25	25
	C	25	25	25	25	25	25	25	25	25	25	25	25
	B	25	25	25	25	25	25	25	25	25	25	25	25
	A	25	25	25	25	25	25	25	25	25	25	25	25

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X09 AND 88922-X09LF	D	1	3	1	1	1	1	1	1	1	1	1	1
	C	1	3	1	1	1	1	1	1	1	1	1	1
	B	1	3	1	1	1	1	1	1	1	1	1	1
	A	1	3	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X02 AND 88922-X02LF	D	-	6	-	6	-	6	-	6	-	6	-	6
	C	-	6	-	6	-	6	-	6	-	6	-	6
	B	-	6	-	6	-	6	-	6	-	6	-	6
	A	-	6	-	6	-	6	-	6	-	6	-	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X06 AND 88922-X06LF	D	6	6	6	20	20	20	6	6	6	20	20	20
	C	6	6	6	20	20	20	6	6	6	20	20	20
	B	6	6	6	20	20	20	6	6	6	20	20	20
	A	6	6	6	20	20	20	6	6	6	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X10 AND 88922-X10LF	D	-	-	6	6	-	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6
	A	-	-	-	-	-	8	8	8	8	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X03 AND 88922-X03LF	D	2	2	2	2	2	1	1	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	3	3	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X07 AND 88922-X07LF	D	2	3	2	2	2	2	2	2	2	2	2	2
	C	2	3	2	2	2	2	2	2	2	2	2	2
	B	2	3	1	2	2	2	2	2	2	2	2	2
	A	2	3	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X11 AND 88922-X11LF	D	19	1	1	1	1	19	1	19	1	19	1	19
	C	3	1	1	1	1	19	19	1	19	1	19	1
	B	3	1	1	1	1	19	19	1	19	1	19	1
	A	3	1	1	1	1	19	19	1	19	1	19	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X04 AND 88922-X04LF	D	-	-	2	2	-	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	-	-	-	-	-	4	4	4	4	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X08 AND 88922-X08LF	D	1	1	1	1	1	1	1	1	1	19	19	19
	C	1	1	1	1	1	1	1	1	1	19	19	19
	B	1	1	1	1	1	1	1	1	1	19	19	19
	A	1	1	1	1	1	1	1	1	1	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X12 AND 88922-X12LF	D	1	1	1	1	1	1	1	1	1	1	3	3
	C	1	1	1	1	1	1	1	1	1	1	3	3
	B	1	1	1	1	1	1	1	1	1	1	3	3
	A	1	1	1	1	1	1	1	1	1	1	3	3

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI	
ltr	ecr no.	dr	date	linear		0.X ±0.3		COPY		www.fciconnect.com	
AV				linear		0.XX ±0.13		projection		title	
				angles		.XXX ±.051				METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT	
				dr		T.BRUNGARD 11/19/99				product family	
				engr		M.STRAWSER 11/19/99				METRAL	
				chr		M.STRAWSER 11/19/99		size		code	
				appd		M.STRAWSER 02/29/00		dwg no		213	
sheet	revision							A		sheet	
index	sheet							88922		4	

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCJ. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCJ. Copyright FCJ.



METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
88922-X13 AND 88922-X13LF	D	20	-	7	7	7	7	7	7
	C	20	-	7	7	7	7	7	7
	B	20	-	7	7	7	7	7	7
	A	20	-	7	7	7	7	7	7
A									
88922-X14 AND 88922-X14LF	D	19	3	3	3	3	3	3	3
	C	19	3	3	3	3	3	3	3
	B	19	3	3	3	3	3	3	3
	A	19	3	3	3	3	3	3	3
A									
88922-X15 AND 88922-X15LF	D	7	5	5	5	5	5	5	5
	C	7	5	5	5	5	5	5	5
	B	7	5	5	5	5	5	5	5
	A	7	5	5	5	5	5	5	5
A									
88922-X16 AND 88922-X16LF	D	-	2	-	2	-	2	-	2
	C	-	-	-	-	-	-	-	-
	B	-	-	-	-	-	-	-	-
	A	-	2	-	2	-	2	-	2
A									
88922-X17 AND 88922-X17LF	D	-	6	-	6	-	6	-	6
	C	-	-	-	-	-	-	-	-
	B	-	-	-	-	-	-	-	-
	A	-	6	-	6	-	6	-	6
A									
88922-X18 AND 88922-X18LF	D	1	1	1	4	1	1	3	3
	C	1	1	1	4	1	1	3	3
	B	1	1	1	4	1	1	3	3
	A	1	1	1	4	1	1	3	3
A									
88922-X19 AND 88922-X19LF	D	1	2	2	2	2	2	2	2
	C	1	2	2	2	2	2	2	2
	B	1	2	2	2	2	2	2	2
	A	1	2	2	2	2	2	2	2
A									
88922-X20 AND 88922-X20LF	D	21	-	11	-	11	-	11	-
	C	21	-	11	-	11	-	11	-
	B	21	-	11	-	11	-	11	-
	A	21	-	11	-	11	-	11	-
A									
88922-X21 AND 88922-X21LF	D	20	-	7	-	7	-	7	-
	C	20	-	7	-	7	-	7	-
	B	20	-	7	-	7	-	7	-
	A	20	-	7	-	7	-	7	-
A									
88922-X22 AND 88922-X22LF	D	2	2	2	6	6	6	6	6
	C	2	2	2	6	6	6	6	6
	B	2	2	2	6	6	6	6	6
	A	2	2	2	6	6	6	6	6
A									
88922-X23 AND 88922-X23LF	D	19	3	3	3	3	19	3	3
	C	19	3	3	3	3	19	3	3
	B	19	3	3	3	3	19	3	3
	A	19	3	3	3	3	19	3	3
A									
88922-X24 AND 88922-X24LF	D	7	-	7	-	7	-	7	-
	C	-	7	-	7	-	7	-	7
	B	7	-	7	-	7	-	7	-
	A	-	7	-	7	-	7	-	7
A									

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ	
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY		www.fcjconnect.com	
AV				angles	0.XX ±0.13	projection		title	
					.XXX ±.051			METRAL SIGNAL HEADER	
				dr	0° ±2°			2 MOD, 4 ROW PRESS FIT	
				engr	T.BRUNGARD 11/19/99	MM		product family	
				chr	M.STRAWSER 11/19/99			METRAL	
				appd	M.STRAWSER 02/29/00			code	
sheet	revision					A		213	
index	sheet					A		5	



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 others without the written consent of FCI. Copyright FCI.

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
88922-X25 AND 88922-X25LF	D	3	3	3	3	3	3	-	3
	C	3	3	3	3	3	3	-	3
	B	3	3	3	3	3	3	-	3
	A	3	3	3	3	3	3	-	3
88922-X26 AND 88922-X26LF	D	19	3	3	3	3	19	3	3
	C	19	3	3	3	3	19	3	3
	B	19	3	3	3	3	19	3	3
	A	19	3	3	3	3	19	3	3
88922-X27 AND 88922-X27LF	D	3	-	3	-	3	-	3	-
	C	-	3	-	3	-	3	-	3
	B	3	-	3	-	3	-	3	-
	A	-	3	-	3	-	3	-	3
88922-X28 AND 88922-X28LF	D	19	-	3	-	3	-	3	-
	C	19	-	3	-	3	-	3	-
	B	19	-	3	-	3	-	3	-
	A	19	-	3	-	3	-	3	-
88922-X29 AND 88922-X29LF	D	-	7	-	7	-	7	-	7
	C	7	-	7	-	7	-	7	-
	B	-	7	-	7	-	7	-	7
	A	7	-	7	-	7	-	7	-
88922-X30 AND 88922-X30LF	D	-	17	-	17	-	17	-	17
	C	17	-	17	-	17	-	17	-
	B	-	17	-	17	-	17	-	17
	A	17	-	17	-	17	-	17	-
88922-X31 AND 88922-X31LF	D	3	3	2	3	2	4	4	2
	C	3	3	2	3	2	4	4	2
	B	3	3	2	3	2	4	4	2
	A	3	3	2	3	2	4	4	2
88922-X32 AND 88922-X32LF	D	-	-	6	6	-	20	6	6
	C	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6
	A	-	-	-	-	8	8	8	20
88922-X33 AND 88922-X33LF	D	-	-	64	64	-	52	64	64
	C	64	64	64	64	64	64	64	64
	B	64	64	64	64	64	64	64	64
	A	-	-	-	-	69	69	69	52
88922-X34 AND 88922-X34LF	D	7	6	6	6	6	6	6	5
	C	7	6	6	6	6	6	6	5
	B	7	6	6	6	6	6	6	5
	A	7	6	6	6	6	6	6	5
88922-X35 AND 88922-X35LF	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	4	4	4	19	19	4	4	19
88922-X36 AND 88922-X36LF	D	7	7	7	7	6	7	6	7
	C	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com			
ltr	ecr no.	dr	date	linear	0.X ±0.3	projection		title			
AV					0.XX ±0.13			METRAL SIGNAL HEADER		2 MOD, 4 ROW PRESS-FIT	
					.XXX ±.051			product family		METRAL	
				angles	0° ±2°	 MM	 scale	size	code		
				dr	T.BRUNGARD			11/19/99	dwg no	213	
				engr	M.STRAWSER			11/19/99	88922	sheet	
				chr	M.STRAWSER			11/19/99		6	
				appd	M.STRAWSER	02/29/00	cage code				
sheet index	revision sheet							22526			

1 | 2

3 |

4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X37 AND 88922-X37LF	D	3	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	1	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X38 AND 88922-X38LF	D	3	3	1	9	3	3	3	3	3	3	3	3
	C	3	3	1	9	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	1	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3

A


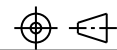


A



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 others without the written consent of FCI. Copyright FCI.

B

B

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 <a href="http://www.fciconnect.com">www.fciconnect.com</a>	
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY			title	
AV					0.XX ±0.13		projection			METRAL SIGNAL HEADER	
					.XXX ±.051					2 MOD, 4 ROW PRESS-FIT	
				angles	0° ±2°				product family		
		dr	T.BRUNGARD	11/19/99	MM		← MM →		METRAL		
		enr	M.STRAWSER	11/19/99	scale		1:1		code		
		chr	M.STRAWSER	11/19/99	size		A		213		
		appd	M.STRAWSER	02/29/00	dwg no		88922		sheet		
									7		
sheet index	revision sheet										

1 | 2

Pro/E

3 |

cage code 22526

4



**Стандарт  
Электрон  
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

**Наши контакты:**

**Телефон:** +7 812 627 14 35

**Электронная почта:** [sales@st-electron.ru](mailto:sales@st-electron.ru)

**Адрес:** 198099, Санкт-Петербург,  
Промышленная ул, дом № 19, литера Н,  
помещение 100-Н Офис 331