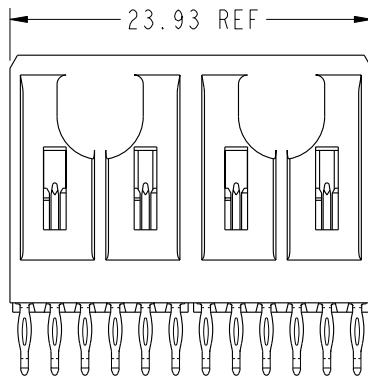
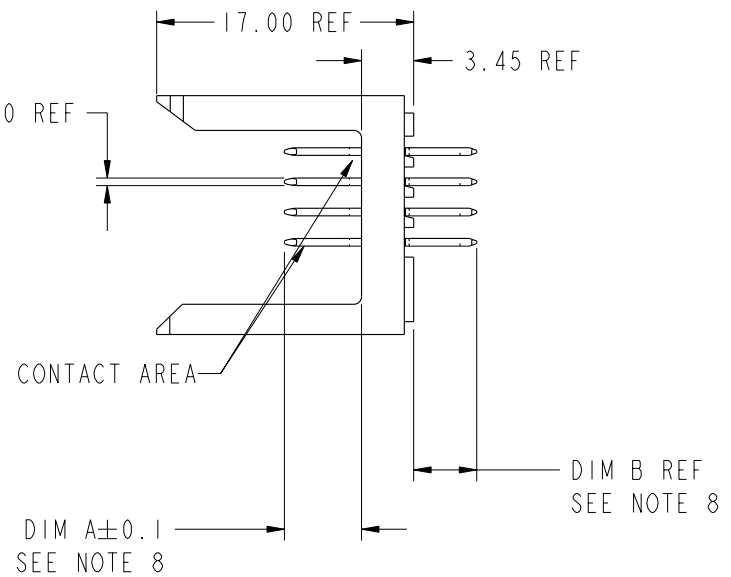
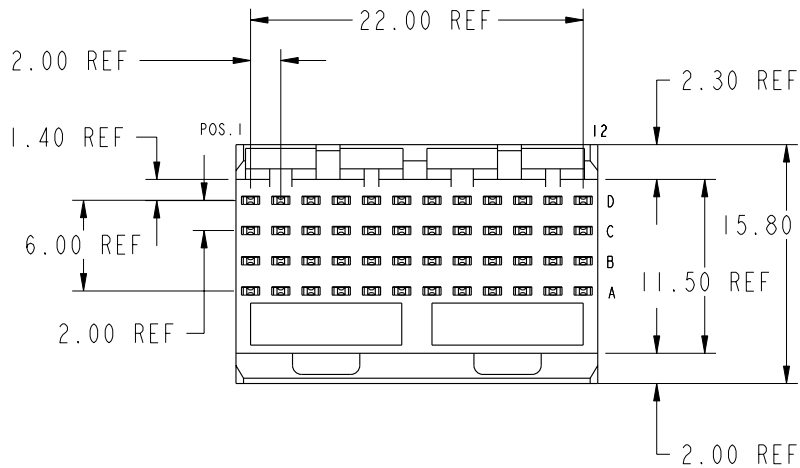


PRODUCT NUMBER  
SEE TABLE



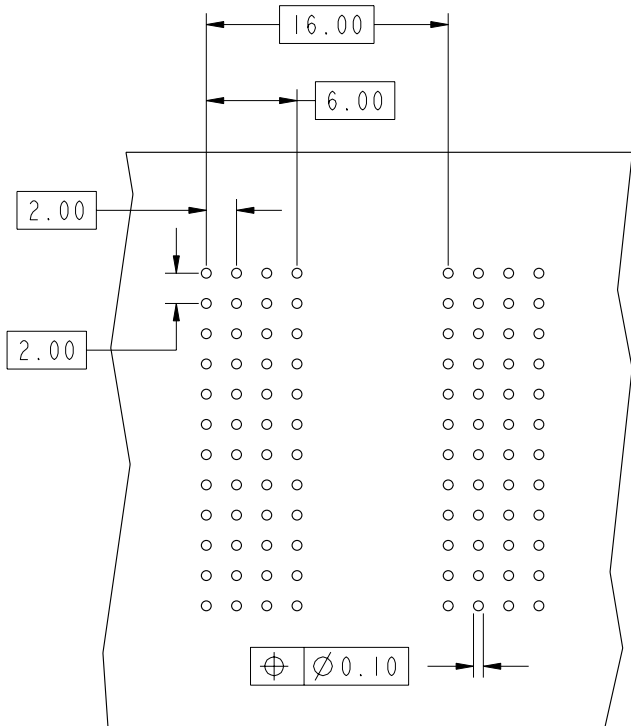
mat'l code				tolerances unless otherwise specified				CUSTOMER		FCj www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3			COPY		title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT	
AU	V06-0569	DCH	2006-06-13		0.XX ±0.13			projection			
-	-	-	-		.XXX ±.051						
AN	V04-0794	TAB	08/13/04	angles	0° ±2°					product family METRAL	
AP	V04-0913	HTB	09/09/04	dr	T.BRUNGARD	11/19/99	MM		code		
AR	V04-0990	DAI	09/30/04	engr	M.STRAWSER	11/19/99	← MM →		size		
AS	V05-0053	TAB	02/17/05	chr	M.STRAWSER	11/19/99	scale		sheet		
AT	V05-0368	DPU	06/01/05	appd	M.STRAWSER	02/29/00	2:1		1 of 7		
sheet index	revision sheet	AU	AU	AU	AU	AU	AU	AU	cage code		
		1	2	3	4	5	6	7	22526		

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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

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


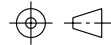

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCj www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY		projection	title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
AU					0.XX ±0.13	MM			
					.XXX ±.051	2:1			
				angles	0° ±2°	scale		product family METRAL code	
				dr	T.BRUNGARD	11/19/99	size		213
				enr	M.STRAWSER	11/19/99	dwg no		sheet
				chr	M.STRAWSER	11/19/99	A		2
				appd	M.STRAWSER	02/29/00	88922		
sheet index	revision sheet						cage code		
							22526		

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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
88922-9YY	STANDARD	TIN LEAD	TELCORDIA CO
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-XXXP OR XXXXX-XXXPLF
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	
AU				angles	0.XX ±0.13	projection		METRAL SIGNAL HEADER	
				dr	.XXX ±.051			2 MOD, 4 ROW PRESS-FIT	
				enrg	0° ±2°			product family METRAL code	
				chr	T.BRUNGARD 11/19/99	scale		size	
				appd	x. xxxxxx mm/dd/yy	11:1		dwg no 88922	
					M.STRAWSER 11/19/99			sheet 213	
					M.STRAWSER 02/29/00			sheet 3	
sheet index	revision sheet								

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METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
88922-X01 AND 88922-X01LF	D	-	2	-	2	-	2	-	2	-	2
	C	-	2	-	2	-	2	-	2	-	2
	B	-	2	-	2	-	2	-	2	-	2
	A	-	2	-	2	-	2	-	2	-	2
88922-X02 AND 88922-X02LF	D	-	6	-	6	-	6	-	6	-	6
	C	-	6	-	6	-	6	-	6	-	6
	B	-	6	-	6	-	6	-	6	-	6
	A	-	6	-	6	-	6	-	6	-	6
88922-X03 AND 88922-X03LF	D	2	2	2	2	2	1	1	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	3	3	2	2	2
88922-X04 AND 88922-X04LF	D	-	-	2	-	-	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	-	-	-	-	-	4	4	4	19	19
88922-X05 AND 88922-X05LF	D	25	25	25	25	25	25	25	25	25	25
	C	25	25	25	25	25	25	25	25	25	25
	B	25	25	25	25	25	25	25	25	25	25
	A	25	25	25	25	25	25	25	25	25	25
88922-X06 AND 88922-X06LF	D	6	6	6	20	20	6	6	6	20	20
	C	6	6	6	20	20	6	6	6	20	20
	B	6	6	6	20	20	6	6	6	20	20
	A	6	6	6	20	20	6	6	6	20	20
88922-X07 AND 88922-X07LF	D	2	3	2	2	2	2	2	2	2	2
	C	2	3	2	2	2	2	2	2	2	2
	B	2	3	1	2	2	2	2	2	2	2
	A	2	3	2	2	2	2	2	2	2	2
88922-X08 AND 88922-X08LF	D	1	1	1	1	1	1	1	1	19	19
	C	1	1	1	1	1	1	1	1	19	19
	B	1	1	1	1	1	1	1	1	19	19
	A	1	1	1	1	1	1	1	1	19	19
88922-X09 AND 88922-X09LF	D	1	3	1	1	1	1	1	1	1	1
	C	1	3	1	1	1	1	1	1	1	1
	B	1	3	1	1	1	1	1	1	1	1
	A	1	3	1	1	1	1	1	1	1	1
88922-X10 AND 88922-X10LF	D	-	-	6	6	-	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6
	A	-	-	-	-	-	8	8	8	8	20
88922-X11 AND 88922-X11LF	D	19	1	1	1	1	19	1	19	1	19
	C	3	1	1	1	1	19	1	19	1	19
	B	3	1	1	1	1	19	1	19	1	19
	A	3	1	1	1	1	19	1	19	1	19
88922-X12 AND 88922-X12LF	D	1	1	1	1	1	1	1	1	3	3
	C	1	1	1	1	1	1	1	1	3	3
	B	1	1	1	1	1	1	1	1	3	3
	A	1	1	1	1	1	1	1	1	3	3

mat'l code		--		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	
AU					0.XX ±0.13	projection			
					.XXX ±.051	 product family METRAL code			
				angles	0° ±2°	 size dwg no		213	
				dr	T.BRUNGARD 11/19/99	 scale 1:1		sheet	
				engr	M.STRAWSER 11/19/99	A		4	
				chr	M.STRAWSER 11/19/99				
				appd	M.STRAWSER 02/29/00				
sheet index	revision sheet								

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X13 AND 88922-X13LF	D	20	-	7	7	7	7	7	7	7	7	-	20
	C	20	-	7	7	7	7	7	7	7	7	-	20
	B	20	-	7	7	7	7	7	7	7	7	-	20
	A	20	-	7	7	7	7	7	7	7	7	-	20

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X17 AND 88922-X17LF	D	-	6	-	6	-	6	-	6	-	6	-	6
	C	-	-	-	-	-	-	-	-	-	-	-	-
	B	-	-	-	-	-	-	-	-	-	-	-	-
	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-X21 AND 88922-X21LF	D	20	-	7	-	7	-	7	-	7	-	7	-	20
	C	20	-	-	7	-	7	-	7	-	7	-	20	
	B	20	-	7	-	7	-	7	-	7	-	7	-	20
	A	20	-	-	7	-	7	-	7	-	7	-	20	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X14 AND 88922-X14LF	D	19	3	3	3	3	3	3	3	3	3	3	19
	C	19	3	3	3	3	3	3	3	3	3	3	19
	B	19	3	3	3	3	3	3	3	3	3	3	19
	A	19	3	3	3	3	3	3	3	3	3	3	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X18 AND 88922-X18LF	D	1	1	1	4	1	1	3	3	4	4	-	4
	C	1	1	1	4	1	1	3	3	4	4	-	4
	B	1	1	1	4	1	1	3	3	4	4	-	4
	A	1	1	1	4	1	1	3	3	4	4	-	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X22 AND 88922-X22LF	D	2	2	2	6	6	6	6	6	6	2	2	2
	C	2	2	2	6	6	6	6	6	6	2	2	2
	B	2	2	2	6	6	6	6	6	6	2	2	2
	A	2	2	2	6	6	6	6	6	6	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-X15 AND 88922-X15LF	D	7	5	5	5	5	5	5	5	5	5	5	7
	C	7	5	5	5	5	5	5	5	5	5	5	7
	B	7	5	5	5	5	5	5	5	5	5	5	7
	A	7	5	5	5	5	5	5	5	5	5	5	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X19 AND 88922-X19LF	D	1	2	2	2	2	2	2	2	2	2	4	4
	C	1	2	2	2	2	2	2	2	2	2	4	4
	B	1	2	2	2	2	2	2	2	2	2	4	4
	A	1	2	2	2	2	2	2	2	2	2	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X23 AND 88922-X23LF	D	19	3	3	3	3	3	19	3	3	3	3	3
	C	19	3	3	3	3	3	19	3	3	3	3	3
	B	19	3	3	3	3	3	19	3	3	3	3	3
	A	19	3	3	3	3	3	19	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-X16 AND 88922-X16LF	D	-	2	-	2	-	2	-	2	-	2	-	2
	C	-	-	-	-	-	-	-	-	-	-	-	-
	B	-	-	-	-	-	-	-	-	-	-	-	-
	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-X20 AND 88922-X20LF	D	21	-	11	-	11	-	11	-	11	-	11	-	21
	C	21	-	-	11	-	11	-	11	-	11	-	21	
	B	21	-	11	-	11	-	11	-	11	-	11	-	21
	A	21	-	-	11	-	11	-	11	-	11	-	21	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88922-X24 AND 88922-X24LF	D	7	-	7	-	7	-	7	-	7	-	7	-
	C	-	7	-	7	-	7	-	7	-	7	-	7
	B	7	-	7	-	7	-	7	-	7	-	7	-
	A	-	7	-	7	-	7	-	7	-	7	-	7



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ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		title	
AU				angles	0.XX ±0.13	projection		METRAL SIGNAL HEADER	
				dr	.XXX ±.051			2 MOD, 4 ROW PRESS FIT	
				engr	0° ±2°			product family	
				chr	T.BRUNGARD 11/19/99	scale		METRAL	
				appd	M.STRAWSER 11/19/99	1:1		code	
					M.STRAWSER 02/29/00	A		213	
sheet index	revision sheet							sheet	
								5	



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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
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
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	4
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	FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	COPY	title	
AU				0.X ±0.3	projection	METRAL SIGNAL HEADER	
				0.XX ±0.13		2 MOD, 4 ROW PRESS-FIT	
				.XXX ±.051		product family	code
				0° ±2°	scale	METRAL	213
		dr	T.BRUNGARD	11/19/99	1:1	size	sheet
		engr	M.STRAWSER	11/19/99		88922	6
		chr	M.STRAWSER	11/19/99			
		appd	M.STRAWSER	02/29/00			
sheet index	revision sheet						

1 | 2

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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


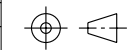


A



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B

B

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 <a href="http://www.fciconnect.com">www.fciconnect.com</a>	
ltr	ecm no.	dr	date	linear	0.X ±0.3		COPY			title	
AU					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		code
				enr	M.STRAWSER	11/19/99	← MM →		size		213
				chr	M.STRAWSER	11/19/99	scale		dwg no		sheet
				appd	M.STRAWSER	02/29/00	1:1		A		7
sheet index	revision sheet										

1 | 2

3 |

4