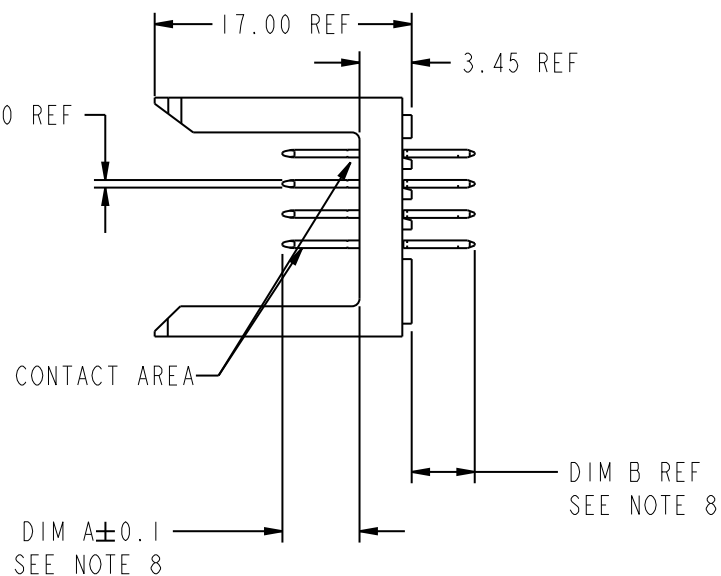
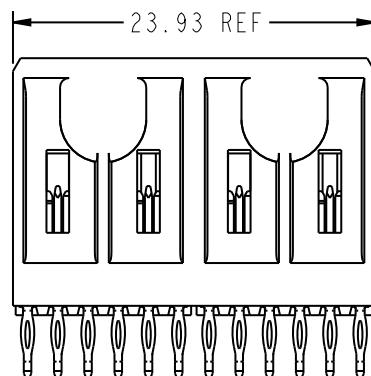
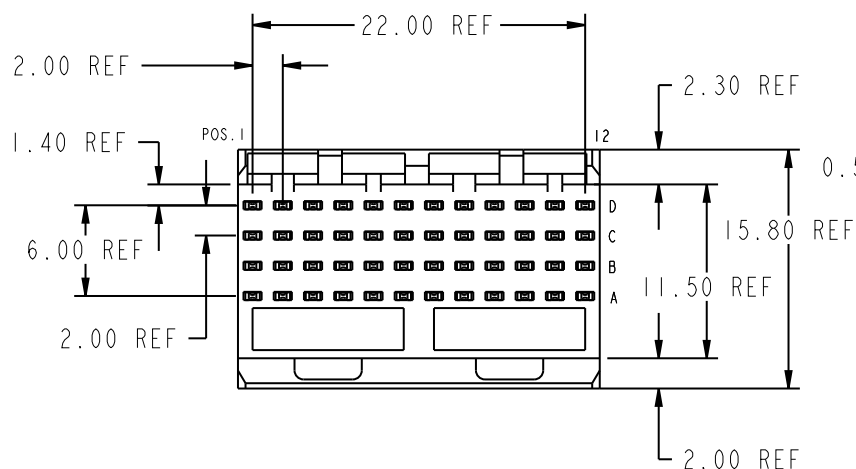
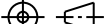




PRODUCT NUMBER
SEE TABLE



mat'l code				--		tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0.X ±0.3		projection 	COPY		title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT				
AU	V06-0569	DCH	2006-06-13		0.XX ±0.13									
AV	DG09-0256	TER	2009-08-19		.XXX ±.051									
-	-	-	-	angles	0° ±2°					product family		METRAL	code	
AP	V04-0913	HTB	09/09/04	dr	T.BRUNGARD 11/19/99					size		dwg no		213
AR	V04-0990	DAI	09/30/04	enrg	M.STRAWSER 11/19/99			scale		A		88922		
AS	V05-0053	TAB	02/17/05	chr	M.STRAWSER 11/19/99		2:1						sheet	
AT	V05-0368	DPU	06/01/05	appd	M.STRAWSER 02/29/00								1 of 7	
sheet		revision		AV	AV	AV	AV	AV	AV					
index		sheet		1	2	3	4	5	6	7				

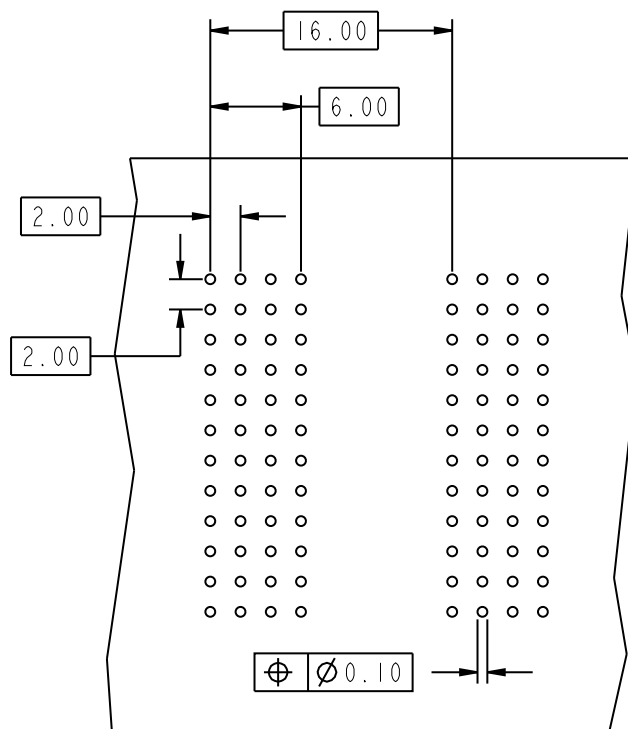
cage code 22526

Pro/E

PDM: Rev:AV

STATUS:Released

Printed: Jan 17, 2011



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.fciconnect.com									
lfr	ecm no.	dr	date	linear	0.X ±0.3	projection 	COPY	title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT	product family METRAL	code	213 sheet 2								
AV					0.XX ±0.13														
					.XXX ±.051														
				angles	0° ±2°	MM 	scale 2:1	size A	dwg no 88922										
				dr	T.BRUNGARD 11/19/99														
				enrg	M.STRAWSER 11/19/99														
				chr	M.STRAWSER 11/19/99														
				appd	M.STRAWSER 02/29/00														
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-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	TELCORDIA UE, SEE NOTES 9 AND 10

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 AREA: SEE PRODUCT NUMBER TABLE. PLATING ON
CONTACT AREA CONFORMS TO PERFORMANCE LEVEL
SHOWN IN TABLE ON SHEET 3.
- 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 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 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 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		FCJ www.fcjconnect.com	
lfr	ecn no.	dr	date	linear	0.X $\pm$ 0.3	COPY		title	
AV					0.XX $\pm$ 0.13	projection		METRAL SIGNAL HEADER	
				angles	.XXX $\pm$.051			2 MOD, 4 ROW PRESS-FIT	
				dr	T.BRUNGARD 11/19/99	MM		product family METRAL code	
				engr	x. xxxxxx mm/dd/yy			size	
				chr	M.STRAWSER 11/19/99	scale		dwg no 88922	
				appd	M.STRAWSER 02/29/00	11:1		sheet 213	
sheet index		revision sheet						3	

cage code 22526

Pro/E

PDM: Rev:AV

STATUS: Released

Printed: Jan 17, 2011



1 2												3												4																	
METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12			1	2	3	4	5	6	7	8	9	10	11	12			1	2	3	4	5	6	7	8	9	10	11	12
88922-X01 AND 88922-X01LF	D	-	2	-	2	-	2	-	2	-	2	-	2	88922-X05 AND 88922-X05LF	D	25	25	25	25	25	25	25	25	25	25	25	25	88922-X09 AND 88922-X09LF	D	1	3	1	1	1	1	1	1	1	1	1	1
	C	-	2	-	2	-	2	-	2	-	2	-	2		C	25	25	25	25	25	25	25	25	25	25	25	25		C	1	3	1	1	1	1	1	1	1	1	1	1
	B	-	2	-	2	-	2	-	2	-	2	-	2		B	25	25	25	25	25	25	25	25	25	25	25	25		B	1	3	1	1	1	1	1	1	1	1	1	1
	A	-	2	-	2	-	2	-	2	-	2	-	2		A	25	25	25	25	25	25	25	25	25	25	25	25		A	1	3	1	1	1	1	1	1	1	1	1	1
88922-X02 AND 88922-X02LF	D	-	6	-	6	-	6	-	6	-	6	-	6	88922-X06 AND 88922-X06LF	D	6	6	6	20	20	20	6	6	6	20	20	20	88922-X10 AND 88922-X10LF	D	-	-	6	6	-	-	6	6	6	6	6	6
	C	-	6	-	6	-	6	-	6	-	6	-	6		C	6	6	6	20	20	20	6	6	6	20	20	20		C	6	6	6	6	6	6	6	6	6	6	6	6
	B	-	6	-	6	-	6	-	6	-	6	-	6		B	6	6	6	20	20	20	6	6	6	20	20	20		B	6	6	6	6	6	6	6	6	6	6	6	6
	A	-	6	-	6	-	6	-	6	-	6	-	6		A	6	6	6	20	20	20	6	6	6	20	20	20		A	-	-	-	-	-	8	8	8	8	20	20	
88922-X03 AND 88922-X03LF	D	2	2	2	2	2	1	1	2	2	2	2	2	88922-X07 AND 88922-X07LF	D	2	3	2	2	2	2	2	2	2	2	2	2	88922-X11 AND 88922-X11LF	D	19	1	1	1	1	19	1	19	1	19	1	19
	C	2	2	2	2	2	2	2	2	2	2	2	2		C	2	3	2	2	2	2	2	2	2	2	2	2		C	3	1	1	1	1	19	19	1	19	1	19	1
	B	2	2	2	2	2	2	2	2	2	2	2	2		B	2	3	1	2	2	2	2	2	2	2	2	2		B	3	1	1	1	1	19	1	19	1	19	1	19
	A	2	2	2	2	2	3	3	2	2	2	2	2		A	2	3	2	2	2	2	2	2	2	2	2	2		A	3	1	1	1	1	19	19	1	19	1	19	1
88922-X04 AND 88922-X04LF	D	-	-	2	2	-	-	2	2	2	2	2	2	88922-X08 AND 88922-X08LF	D	1	1	1	1	1	1	1	1	1	1	19	19	88922-X12 AND 88922-X12LF	D	1	1	1	1	1	1	1	1	1	1	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	2		C	1	1	1	1	1	1	1	1	1	1	19	19		C	1	1	1	1	1	1	1	1	1	1	3	3
	B	2	2	2	2	2	2	2	2	2	2	2	2		B	1	1	1	1	1	1	1	1	1	1	19	19		B	1	1	1	1	1	1	1	1	1	1	3	3
	A	-	-	-	-	-	-	4	4	4	4	19	19		A	1	1	1	1	1	1	1	1	1	1	19	19		A	1	1	1	1	1	1	1	1	1	1	3	3

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



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

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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X14 AND 88922-X14LF	D	19	3	3	3	3	3	3	3	3	19
	C	19	3	3	3	3	3	3	3	3	19
	B	19	3	3	3	3	3	3	3	3	19
	A	19	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
88922-X18 AND 88922-X18LF	D	1	1	1	4	1	1	3	3	4	-
	C	1	1	1	4	1	1	3	3	4	-
	B	1	1	1	4	1	1	3	3	4	-
	A	1	1	1	4	1	1	3	3	4	-

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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X15 AND 88922-X15LF	D	7	5	5	5	5	5	5	5	5	7
	C	7	5	5	5	5	5	5	5	5	7
	B	7	5	5	5	5	5	5	5	5	7
	A	7	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
88922-X19 AND 88922-X19LF	D	1	2	2	2	2	2	2	2	2	4
	C	1	2	2	2	2	2	2	2	2	4
	B	1	2	2	2	2	2	2	2	2	4
	A	1	2	2	2	2	2	2	2	2	4

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

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

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

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI www.fciconnect.com	
lfr	ecn 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	
				engr	M.STRAWSE 11/19/99			scale		code	
				chr	M.STRAWSE 11/19/99			1:1		213	
				appd	M.STRAWSE 02/29/00			A		sheet	
sheet index		revision sheet								5	



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X25 AND 88922-X25LF	D	3	3	3	3	3	3	-	3	3	3
	C	3	3	3	3	3	3	-	3	3	3
	B	3	3	3	3	3	3	-	3	3	3
	A	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
88922-X26 AND 88922-X26LF	D	19	3	3	3	3	3	19	3	3	3
	C	19	3	3	3	3	3	19	3	3	3
	B	19	3	3	3	3	3	19	3	3	3
	A	19	3	3	3	3	3	19	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X27 AND 88922-X27LF	D	3	-	3	-	3	-	3	-	3	-
	C	-	3	-	3	-	3	-	3	-	3
	B	3	-	3	-	3	-	3	-	3	-
	A	-	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
88922-X28 AND 88922-X28LF	D	19	-	3	-	3	-	3	-	3	-
	C	19	-	3	-	3	-	3	-	3	-
	B	19	-	3	-	3	-	3	-	3	-
	A	19	-	3	-	3	-	3	-	3	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X29 AND 88922-X29LF	D	-	7	-	7	-	7	-	7	-	7
	C	7	-	7	-	7	-	7	-	7	-
	B	-	7	-	7	-	7	-	7	-	7
	A	7	-	7	-	7	-	7	-	7	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X30 AND 88922-X30LF	D	-	17	-	17	-	17	-	17	-	17
	C	17	-	17	-	17	-	17	-	17	-
	B	-	17	-	17	-	17	-	17	-	17
	A	17	-	17	-	17	-	17	-	17	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X31 AND 88922-X31LF	D	3	3	2	3	3	2	4	4	2	2
	C	3	3	2	3	3	2	4	4	2	2
	B	3	3	2	3	3	2	4	4	2	2
	A	3	3	2	3	3	2	4	4	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X32 AND 88922-X32LF	D	-	-	6	6	-	20	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X33 AND 88922-X33LF	D	-	-	64	64	-	52	64	64	64	64
	C	64	64	64	64	64	64	64	64	64	64
	B	64	64	64	64	64	64	64	64	64	64
	A	-	-	-	-	-	69	69	69	69	52

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X34 AND 88922-X34LF	D	7	6	6	6	6	6	6	6	6	5
	C	7	6	6	6	6	6	6	6	6	5
	B	7	6	6	6	6	6	6	6	6	5
	A	7	6	6	6	6	6	6	6	6	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X35 AND 88922-X35LF	D	2	2	2	2	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	4	19	19	4	4	4	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88922-X36 AND 88922-X36LF	D	7	7	7	7	6	7	6	7	6	7
	C	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7	7	7

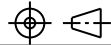
mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI www.fciconnect.com		
lfr	ecr no.	dr	date	linear	0.X ±0.3			projection	COPY			
AV					0.XX ±0.13							
					.XXX ±.051							
				angles	0° ±2°			 MM 1:1	title		METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT	
				dr	T.BRUNGARD	11/19/99	product family		METRAL		code	
				enrg	M.STRAWSE	11/19/99	size		dwg no		213	
				chr	M.STRAWSE	11/19/99	A	88922		sheet		
				appd	M.STRAWSE	02/29/00				6		
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	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

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3		COPY				
AV					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°						
				dr	T.BRUNGARD	11/19/99					
				enr	M.STRAWSE	11/19/99					
				chr	M.STRAWSE	11/19/99			product family		METRAL
				appd	M.STRAWSE	02/29/00	scale		size	dwg no	code
							1:1		A	88922	213
sheet	revision										sheet
index	sheet										7