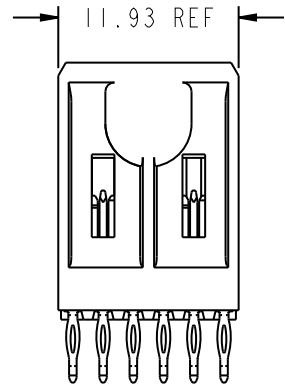
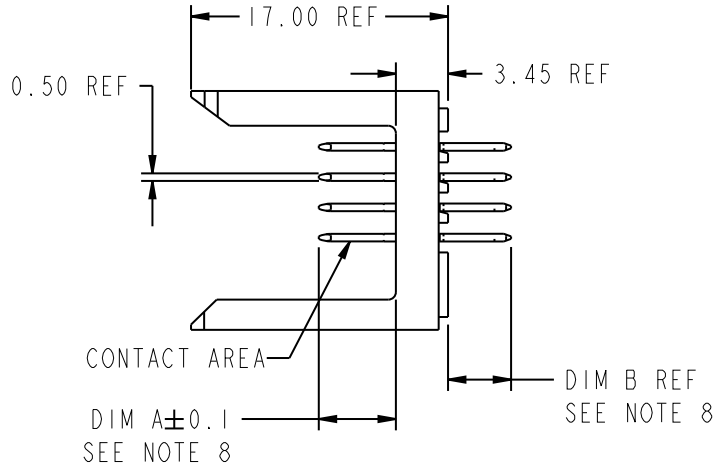
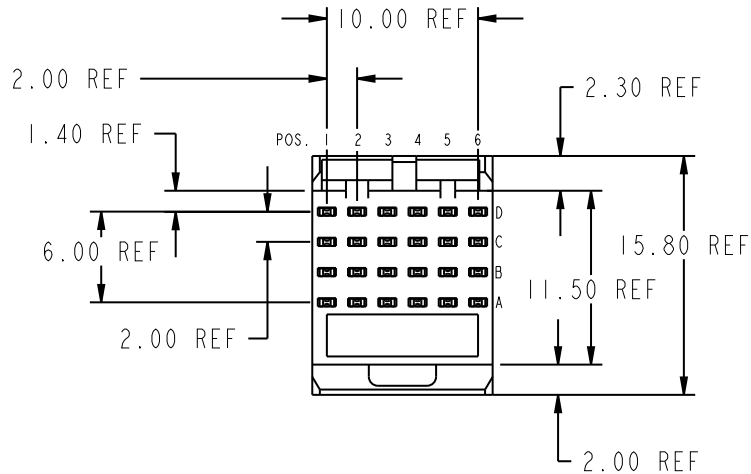


PRODUCT NUMBER  
SEE TABLE

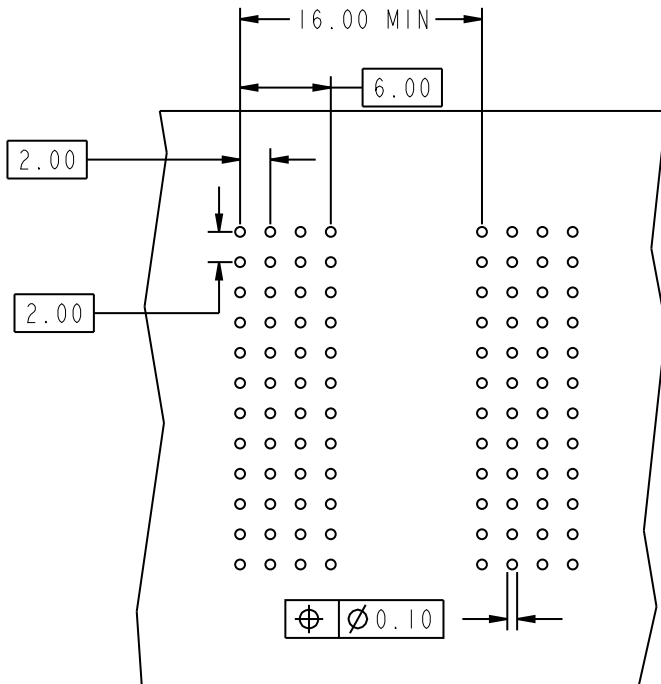


mat'l code				tolerances unless otherwise specified				CUSTOMER		FCJ www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY		title		
AH	V06-0569	DCH	2006-06-13		0.XX ±0.13		projection		METRAL SIGNAL HEADER		
AJ	DG09-0256	TER	2009-08-19		.XXX ±.051				1 MOD, 4 ROW PRESS-FIT		
-	-	-	-	angles	0°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

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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


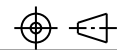


KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
40	5.00	15.60
41	6.50	15.60
42	7.25	15.60
43	8.00	15.60
44	5.75	12.10
45	6.50	12.10
59	5.00	11.80
60	5.75	11.80
61	6.50	11.80
62	7.25	11.80
63	8.00	11.80

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fcjconnect.com		
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY		projection		
AJ					0.XX ±0.13	MM				title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT
					.XXX ±.051					
				angles	0° ±2°	scale		product family METRAL	code 213	
				dr	T.BRUNGARD 11/19/99	2:1				size 88921
				engr	M.STRAWSER 11/19/99					
				chr	M.STRAWSER 11/19/99					
				appd	M.STRAWSER 02/29/00					
sheet index	revision sheet							coge code 22526		

PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFORMANCE LEVEL OF PLATING IN CONTACT AREA
88921-NIYY	STANDARD	TIN LEAD	TELCORDIA CO (NXT)
88921-N5YY	STANDARD	TIN LEAD	TELCORDIA UE (NXT)
88921-IYY	STANDARD	TIN LEAD	TELCORDIA CO
88921-2YY	STANDARD	TIN LEAD	TELECOM CLASS
88921-3YY	STANDARD	TIN LEAD	IEC CLASS I
88921-5YY	STANDARD	TIN LEAD	TELCORDIA UE
88921-NIYYLF	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 9 AND 10
88921-N5YYLF	LEAD FREE	TIN	TELCORDIA UE (NXT) SEE NOTES 9 AND 10
88921-IYYLF	LEAD FREE	TIN	TELCORDIA CO , IEC CLASS I, SEE NOTES 9 AND 10
88921-2YYLF	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 9 AND 10
88921-5YYLF	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 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, 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 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 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 1 MOD, 4 ROW PRESS-FIT
AJ					0.XX ±0.13		projection		
					.XXX ±.05I		 product family METRAL code 213		
				angles	0° ±2°		 size dwg no 88921 sheet 3		
				dr	T.BRUNGARD	11/19/99	scale 1:1		cage code 22526
				engr	x. xxxxxx	mm/dd/yy			
				chr	M.STRAWSER	11/19/99			
				appd	M.STRAWSER	02/29/00			
sheet index	revision sheet								



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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X01 AND 88921-X01LF	D	-	2	-	2	-	2
	C	-	2	-	2	-	2
	B	-	2	-	2	-	2
	A	-	2	-	2	-	2
88921-X02 AND 88921-X02LF	D	-	6	-	6	-	6
	C	-	6	-	6	-	6
	B	-	6	-	6	-	6
	A	-	6	-	6	-	6
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
88921-X21 AND 88921-X21LF	D	4	4	4	19	19	19
	C	4	4	4	19	19	19
	B	4	4	4	19	19	19
	A	4	4	4	19	19	19
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
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
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
88921-X25 AND 88921-X25LF	D	3	3	3	3	-	-
	C	3	3	3	3	-	-
	B	3	3	3	3	-	-
	A	-	-	3	3	-	-

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		www.fcjconnect.com	
A	J			angles	0.XX ±0.13	projection	title		
					.XXX ±.051		METRAL SIGNAL HEADER		
					0° ±2°		1 MOD, 4 ROW PRESS-FIT		
		dr	T.BRUNGARD	11/19/99		MM	product family	METRAL	code
		engr	M.STRAWSER	11/19/99		← MM →	size	dwg no	213
		chr	M.STRAWSER	11/19/99		scale	A	88921	sheet
		appd	M.STRAWSER	02/29/00		1:1		4	
sheet index	revision sheet								

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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X26 AND 88921-X26LF	D	19	-	4	-	3	-
	C	19	-	4	-	-	19
	B	-	19	-	4	-	19
	A	-	19	-	4	-	19
88921-X27 AND 88921-X27LF	D	2	2	2	3	4	19
	C	2	2	2	3	4	19
	B	2	2	2	3	4	19
	A	2	2	2	3	4	19
88921-X28 AND 88921-X28LF	D	2	2	2	2	2	19
	C	2	2	2	2	2	19
	B	2	2	2	2	2	19
	A	2	2	2	2	2	19
88921-X29 AND 88921-X29LF	D	3	3	3	3	3	1
	C	3	3	3	3	3	19
	B	3	3	3	3	3	3
	A	3	3	3	3	19	19
88921-X30 AND 88921-X30LF	D	3	3	3	19	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3
88921-X31 AND 88921-X31LF	D	3	3	3	3	3	1
	C	3	3	3	3	3	19
	B	3	3	3	3	3	3
	A	3	3	3	3	19	19
88921-X32 AND 88921-X32LF	D	6	6	6	6	6	20
	C	6	6	6	6	6	20
	B	6	6	6	6	6	20
	A	6	6	6	6	6	20
88921-X33 AND 88921-X33LF	D	3	3	3	3	3	1
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	19	19	19	19	19	19
88921-X34 AND 88921-X34LF	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	7	7	7	6	6	5
88921-X35 AND 88921-X35LF	D	-	3	-	3	-	3
	C	3	-	3	-	3	-
	B	-	3	-	3	-	3
	A	3	-	3	-	3	-
88921-X36 AND 88921-X36LF	D	-	4	-	4	-	4
	C	4	-	4	-	4	-
	B	-	4	-	4	-	4
	A	4	-	4	-	4	-
88921-X37 AND 88921-X37LF	D	-	19	-	19	-	19
	C	19	-	19	-	19	-
	B	-	19	-	19	-	19
	A	19	-	19	-	19	-
88921-X38 AND 88921-X38LF	D	-	59	-	59	-	59
	C	59	-	59	-	59	-
	B	-	59	-	59	-	59
	A	59	-	59	-	59	-
88921-X39 AND 88921-X39LF	D	-	60	-	60	-	60
	C	60	-	60	-	60	-
	B	-	60	-	60	-	60
	A	60	-	60	-	60	-
88921-X40 AND 88921-X40LF	D	-	61	-	61	-	61
	C	61	-	61	-	61	-
	B	-	61	-	61	-	61
	A	61	-	61	-	61	-
88921-X41 AND 88921-X41LF	D	-	62	-	62	-	62
	C	62	-	62	-	62	-
	B	-	62	-	62	-	62
	A	62	-	62	-	62	-
88921-X42 AND 88921-X42LF	D	-	63	-	63	-	63
	C	63	-	63	-	63	-
	B	-	63	-	63	-	63
	A	63	-	63	-	63	-
88921-X43 AND 88921-X43LF	D	-	5	-	5	-	5
	C	5	-	5	-	5	-
	B	-	5	-	5	-	5
	A	5	-	5	-	5	-
88921-X44 AND 88921-X44LF	D	-	6	-	6	-	6
	C	6	-	6	-	6	-
	B	-	6	-	6	-	6
	A	6	-	6	-	6	-
88921-X45 AND 88921-X45LF	D	-	7	-	7	-	7
	C	7	-	7	-	7	-
	B	-	7	-	7	-	7
	A	7	-	7	-	7	-
88921-X46 AND 88921-X46LF	D	-	8	-	8	-	8
	C	8	-	8	-	8	-
	B	-	8	-	8	-	8
	A	8	-	8	-	8	-
88921-X47 AND 88921-X47LF	D	-	20	-	20	-	20
	C	20	-	20	-	20	-
	B	-	20	-	20	-	20
	A	20	-	20	-	20	-
88921-X48 AND 88921-X48LF	D	-	40	-	40	-	40
	C	40	-	40	-	40	-
	B	-	40	-	40	-	40
	A	40	-	40	-	40	-
88921-X49 AND 88921-X49LF	D	-	25	-	25	-	25
	C	25	-	25	-	25	-
	B	-	25	-	25	-	25
	A	25	-	25	-	25	-
88921-X50 AND 88921-X50LF	D	-	41	-	41	-	41
	C	41	-	41	-	41	-
	B	-	41	-	41	-	41
	A	41	-	41	-	41	-

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ	
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY		www.fcjconnect.com	
A	J				0.XX ±0.13	projection		title	
				angles	.XXX ±.051			METRAL SIGNAL HEADER	
					0° ±2°			1 MOD, 4 ROW PRESS-FIT	
		dr	T.BRUNGARD	11/19/99		product family		METRAL	
		enrg	M.STRAWSER	11/19/99		size		213	
		chr	M.STRAWSER	11/19/99		dwg no		88921	
		appd	M.STRAWSER	02/29/00		sheet		5	
sheet index	revision sheet								

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	-


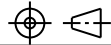
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X58 AND 88921-X58LF	D	20	6	7	7	7	7
	C	20	7	7	7	7	7
	B	20	7	7	7	7	7
	A	20	7	5	7	7	7

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			
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		www.fcjconnect.com	
AJ					0.XX ±0.13	projection		title METRAL SIGNAL HEADER	
					.XXX ±.051			1 MOD, 4 ROW PRESS-FIT	
				angles	0° ±2°	product family		METRAL code	
				dr	T.BRUNGARD	11/19/99	size		213
				engr	M.STRAWSER	11/19/99	dwg no		6
				chr	M.STRAWSER	11/19/99	scale		1:1
				appd	M.STRAWSER	02/29/00	A		88921
sheet index	revision sheet								



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