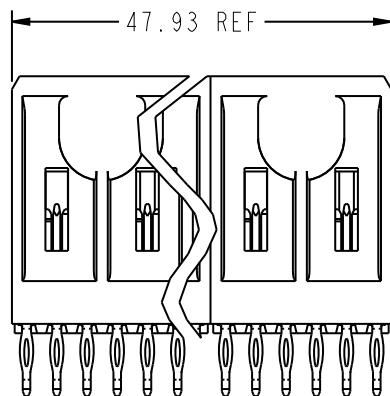
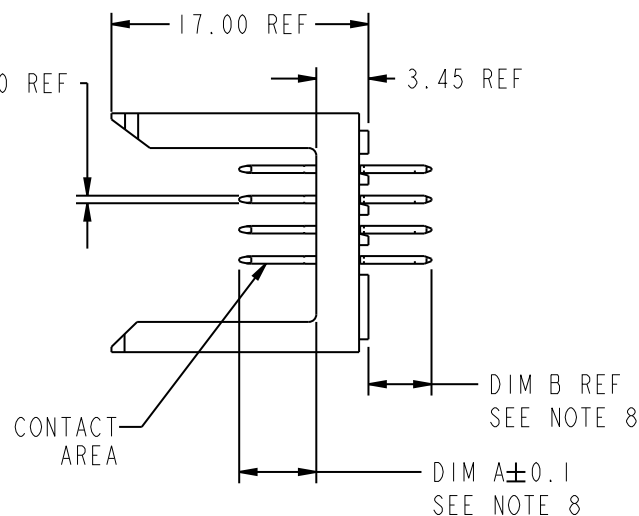
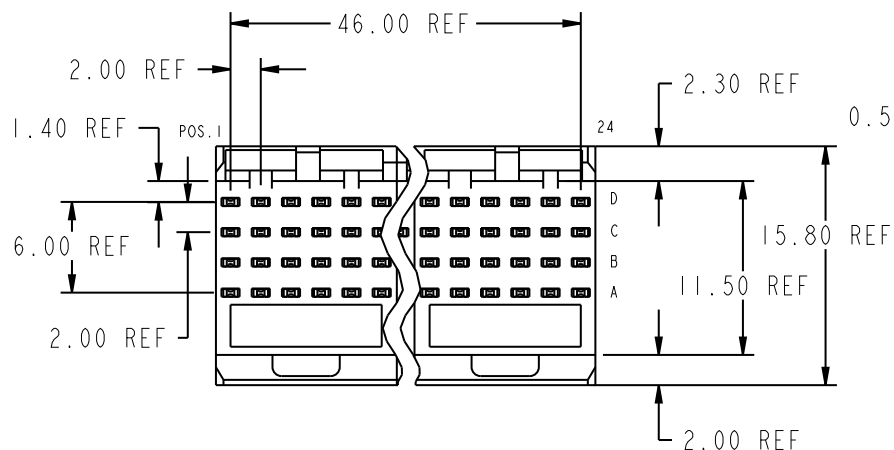




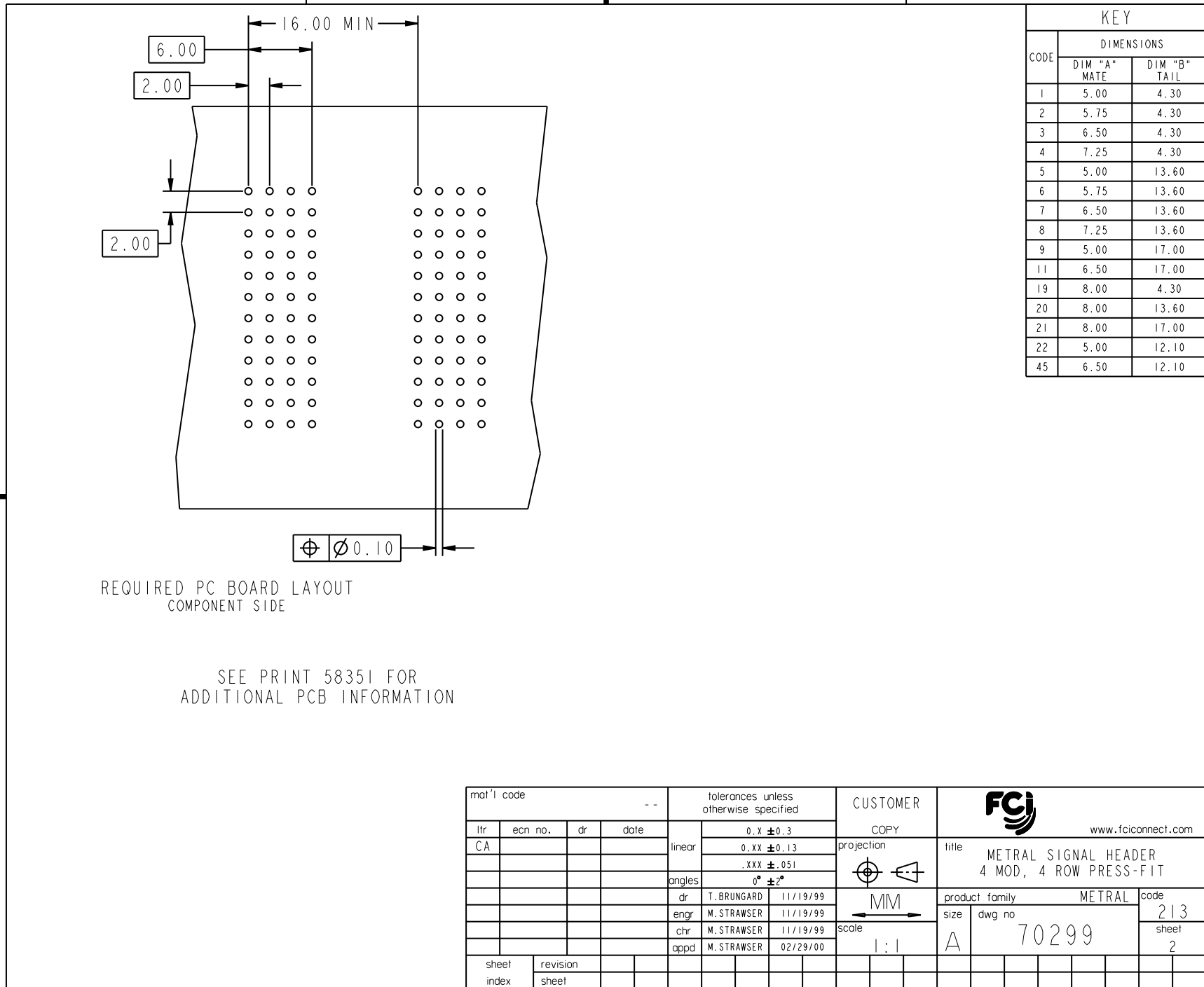
PRODUCT NUMBER
SEE TABLE



mat'l code				SEE NOTES				tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com						
ltr	ecr no.	dr	date	linear	0. x ±0.3				COPY								title METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT					
BX	V06-0498	DCH	2006-06-02		0. XX ±0.13				projection													
BY	V07-0241	DCH	2007-03-20		. XXX ±.051																	
CA	DG08-0188	TER	2008-11-25		0° ±2°				angles													
				dr	T.BRUNGARD 11/19/99								product family				METRAL				code	
BU	V04-0617	TAB	07/07/04	engr	M.STRAWER 11/19/99								size				dwg no				213	
BV	V04-1217	HTB	07/07/04	chr	M.STRAWER 11/19/99				scale				A				70299				sheet	
BW	V05-0360	VS	04/228/05	appd	M.STRAWER 02/29/00				2:1												1 of 1	
sheet index		revision		CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA		
sheet		sheet		1	2	3	4	5	6	7	8	9	10	11	12	13	14					



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PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFORMANCE LEVEL OF PLATING IN CONTACT AREA
70299-AYY	STANDARD	TIN-LEAD	TELCORDIA CO (SEE NOTE 9)
70299-NIYY	STANDARD	TIN-LEAD	TELCORDIA CO (NXT)
70299-N5YY	STANDARD	TIN-LEAD	TECORDIA UE (NXT)
70299-IYY	STANDARD	TIN-LEAD	TELCORDIA CO
70299-2YY	STANDARD	TIN-LEAD	TELECOM CLASS
70299-3YY	STANDARD	TIN-LEAD	IEC CLASS I
70299-5YY	STANDARD	TIN-LEAD	TELCORDIA UE
70299-9YY	STANDARD	TIN-LEAD	TELCORDIA CO
70299-NIYYLF	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 9 AND 10
70299-N5YYLF	LEAD FREE	TIN	TECORDIA UE (NXT) SEE NOTES 9 AND 10
70299-IYYLF	LEAD FREE	TIN	TELCORDIA CO, IEC CLASS I, SEE NOTES 9 AND 10
70299-2YYLF	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 9 AND 10
70299-5YYLF	LEAD FREE	TIN	TELCORDIA 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 CIRCUIT BOARD WITH QUALIFIED TOOL.
9. -A PLATING HAS Au FLASH IN PRESS FIT AREA (LEAD FREE)
10. THE PRODUCTS WHERE THE PART NUMBERS ENDS IN
LF MEET THE EUROPEAN UNION DIRECTIVE AND OTHER
COUNTRY REGULATIONS AS DESCRIBED IN GS-12-008.
11. ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS
CONTAINING 70299-NI--- OR 70299-N5--- WILL WITHSTAND
EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A
CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN
PART NUMBERS 70299-NI--- AND 70299-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				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY			
CA					0.XX ±0.13	projection			
					.XXX ±.051				
				angles	0° ±2°			title METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT	
				dr	T.BRUNGARD	11/19/99	product family		code
				enrg	M.STRAWSE	11/19/99	METRAL		213
				chr	M.STRAWSE	11/19/99	size		sheet
				appd	M.STRAWSE	02/29/00	dwg no		3
sheet		revision		scale		A		70299	
index		sheet		1:1					

cage code				22526				4			
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X01 AND 70299-X01LF	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	A	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X02 AND 70299-X02LF	D	-	1	-	-	-	1	-	1	-	-	-	1	-	1	1	1	-	1	-	1	-	1	-	1
	C	1	-	-	-	1	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1
	B	-	1	-	-	-	1	-	1	-	-	-	1	-	1	1	1	-	1	-	1	-	1	-	1
	A	1	-	1	-	1	-	-	-	1	-	1	-	3	-	3	-	1	-	1	-	1	-	1	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X03 AND 70299-X03LF	D	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1
	C	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X04 AND 70299-X04LF	D	7	5	5	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X05 AND 70299-X05LF	D	7	5	5	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X06 AND 70299-X06LF	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X07 AND 70299-X07LF	D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	20	20	20	5	20	20
	C	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	20	20	20	5	20	20
	B	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	20	20	20	5	20	20
	A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	20	20	20	5	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X08 AND 70299-X08LF	D	7	7	5	5	5	5	5	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5	7	7
	C	7	7	5	5	5	5	5	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5	7	7
	B	7	7	5	5	5	5	5	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5	7	7
	A	7	7	5	5	5	5	5	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X09 AND 70299-X09LF	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X10 AND 70299-X10LF	D	-	1	-	1	-	1	-	1	-	-	-	1	-	1	1	-	1	-	1	-	1	-	1	-
	C	1	-	-	1	1	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1
	B	-	1	-	-	-	1	-	1	-	-	-	1	-	1	1	-	1	-	1	-	1	-	1	-
	A	1	-	1	-	1	-	-	1	-	1	-	3	-	3	-	1	-	1	-	1	-	1	-	1

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		FCJ www.fcjconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	projection		title METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT			
CA					0.XX ±0.13						
					.XXX ±.051						
				angles	0° ±2°		product family METRAL	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	size A	dwg no 70299		sheet 4	
sheet	revision										
index	sheet										



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X11 AND 70299-X11LF	D	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X12 AND 70299-X12LF	D	3	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2
	C	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	3	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X13 AND 70299-X13LF	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5
	B	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X14 AND 70299-X14LF	D	6	5	5	5	5	5	5	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X15 AND 70299-X15LF	D	7	5	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	6	6	6	6	6	6
	C	7	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	7	6	6	6	6	6	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X16 AND 70299-X16LF	D	6	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X17 AND 70299-X17LF	D	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X18 AND 70299-X18LF	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5
	C	6	6	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X19 AND 70299-X19LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X20 AND 70299-X20LF	D	4	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2
	C	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2
	B	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2
	A	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2

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



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X21 AND 70299-X21LF	D	4	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	4	4	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X22 AND 70299-X22LF	D	4	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X23 AND 70299-X23LF	D	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5
	C	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5
	A	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X24 AND 70299-X24LF	D	19	19	1	3	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19
	C	19	19	1	3	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19
	B	19	19	1	3	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19
	A	19	19	1	3	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X25 AND 70299-X25LF	D	19	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19
	C	19	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19
	B	19	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19
	A	19	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X26 AND 70299-X26LF	D	2	2	2	2	2	2	3	4	2	2	2	2	3	2	4	2	2	3	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X27 AND 70299-X27LF	D	2	2	2	2	2	2	3	4	2	2	2	2	3	4	2	2	3	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X28 AND 70299-X28LF	D	2	2	2	2	2	2	3	4	2	2	2	2	3	2	4	2	2	3	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X29 AND 70299-X29LF	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5
	B	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X30 AND 70299-X30LF	D	4	4	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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 4 MOD, 4 ROW PRESS-FIT
CA					0.XX ±0.13		projection				
					.XXX ±.051						
					0° ±°						
				angles							product family METRAL
				dr	T.BRUNGARD	11/19/99	MM		code		
				enrg	M.STRAWSE	11/19/99	A		213		
				chr	M.STRAWSE	11/19/99	1:1		sheet		



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X31 AND 70299-X31LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X32 AND 70299-X32LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X33 AND 70299-X33LF	D	3	3	3	3	3	3	3	3	3	3	3	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	3	3	3	3	3	-	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	4	4	4	4	4	3	4	3	3	3	3	-	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X34 AND 70299-X34LF	D	3	3	-	3	3	-	3	3	-	3	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	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	3	3	3	3	3	3	-	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X35 AND 70299-X35LF	D	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	B	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	6	6	7	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X36 AND 70299-X36LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	2	2	3	3	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X37 AND 70299-X37LF	D	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X38 AND 70299-X38LF	D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	5	7	7	5	7	5	5	5	5
	C	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	7	5	5	5
	A	5	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	7	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X39 AND 70299-X39LF	D	4	3	1	1	1	1	1	1	1	1	1	4	-	-	-	1	1	2	1	1	-	1	-	4
	C	4	1	1	1	1	1	1	1	1	1	1	-	-	-	1	2	3	1	1	-	1	-	4	
	B	4	2	1	1	1	1	1	1	1	1	1	-	-	-	-	-	1	1	1	-	1	-	4	
	A	4	3	1	1	1	1	1	1	1	1	1	-	-	-	1	-	-	1	1	1	-	1	-	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X40 AND 70299-X40LF	D	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	21	11	9	9	9	9
	C	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	21	11	11	9	9	9
	B	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	21	11	11	9	9	9
	A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	21	9	21	9	11	1

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com		
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection				
CA				linear	0.XX ±0.13					title		
				angles	.XXX ±.051					METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT		
				dr	T.BRUNGARD	11/19/99			product family		METRAL	code
				engr	M.STRAWSE	11/19/99			size		dwg no	213
				chr	M.STRAWSE	11/19/99			A		70299	sheet
				appd	M.STRAWSE	02/29/00			1:1			7



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X41 AND 70299-X41LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	3	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	3	3	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	3	3	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	1	9	1	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X42 AND 70299-X42LF	D	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3
	C	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3
	B	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3
	A	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X43 AND 70299-X43LF	D	3	3	3	3	3	3	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	3	3	3	3	3	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X44 AND 70299-X44LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X45 AND 70299-X45LF	D	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5
	C	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5
	B	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5
	A	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X46 AND 70299-X46LF	D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	1	1	1	1
	C	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	1	1	1	1
	B	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	1	1	1	1
	A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X47 AND 70299-X47LF	D	3	3	3	3	3	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X48 AND 70299-X48LF	D	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5
	C	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5
	B	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5
	A	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X49 AND 70299-X49LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X50 AND 70299-X50LF	D	6	6	6	6	6	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	B	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	6	6	7	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	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		projection 	title	
CA					0.XX ±0.13					METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT	
					.XXX ±.051						
				angles	0° ±2°				MM scale 1:1	product family	
				dr	T.BRUNGARD 11/19/99					METRAL	
				engr	M.STRAWSE 11/19/99					code	
				chr	M.STRAWSE 11/19/99				size	dwg no	
				appd	M.STRAWSE 02/29/00					7029	



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X51 AND 70299-X51LF	D	19	2	3	2	3	3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	19	3	3	3	3	3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	B	19	3	3	3	3	3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	19	3	1	3	3	3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X52 AND 70299-X52LF	D	19	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	19	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X53 AND 70299-X53LF	D	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	3	3	3
	C	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	3	3	3
	B	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	3	3	3
	A	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
70299-X54 AND 70299-X54LF	D	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	19
	C	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	19
	B	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19
	A	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X55 AND 70299-X55LF	D	19	3	3	3	3	3	3	3	3	3	1	19	7	7	7	7	7	7	7	7	7	7	7	7
	C	19	3	3	3	3	3	3	3	3	3	2	19	7	7	7	7	7	7	7	7	7	7	7	7
	B	19	3	3	3	3	3	3	3	3	3	3	19	7	7	7	7	7	7	7	7	7	7	7	7
	A	19	3	3	3	3	3	3	3	3	3	3	19	7	7	7	7	7	7	7	7	7	7	7	7

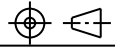
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X56 AND 70299-X56LF	D	19	3	3	3	3	3	7	7	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3
	C	19	3	3	2	3	3	7	7	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3
	B	19	3	3	3	3	3	7	7	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3
	A	19	3	1	3	3	3	7	7	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X57 AND 70299-X57LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	7	7
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	7	7
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	7	7
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X58 AND 70299-X58LF	D	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5	5	5	5
	C	7	5	7	5	7	5	5	5	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	
	B	7	7	7	7	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	A	5	5	5	5	5	5	7	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X59 AND 70299-X59LF	D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	C	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X60 AND 70299-X60LF	D	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5	5	5	5
	C	7	5	7	5	5	5	5	5	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	5	5	5	5	5	7	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com		
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection				
CA				linear	0.XX ±0.13					title		
				angles	.XXX ±.051					METRAL SIGNAL HEADER 4 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			



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X61 AND 70299-X61LF	D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	C	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X62 AND 70299-X62LF	D	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5
	C	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	7	7	5	5	5
	A	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	7	7	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X63 AND 70299-X63LF	D	7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	7
	C	7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	7
	B	7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	7
	A	7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X64 AND 70299-X64LF	D	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3
	C	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3
	B	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3
	A	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X65 AND 70299-X65LF	D	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	-	1	1	1	1	1	1	1	1
	C	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	-	1	1	1	1	1	1	1	1
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X66 AND 70299-X66LF	D	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	-	1	3	3	3	3	3	1	3	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X67 AND 70299-X67LF	D	19	2	3	2	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	19	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X68 AND 70299-X68LF	D	1	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	B	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	A	1	1	1	1	1	-	1	3	3	3	3	3	1	3	1	1	1	1	-	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X69 AND 70299-X69LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X70 AND 70299-X70LF	D	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	C	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	B	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	A	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3

mat'l code				tolerances unless otherwise specified				CUSTOMER		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3			COPY			
CA				linear	0.XX ±0.13			projection			
				angles	.XXX ±.051						
				dr	T.BRUNGARD	11/19/99				product family METRAL code 213 size dwg no 70299 sheet 10	
				engr	M.STRAWSE	11/19/99					
				chr	M.STRAWSE	11/19/99		scale 1:1		A	
				appd	M.STRAWSE	02/29/00					
sheet index	revision sheet										



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X71 AND 70299-X71LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X72 AND 70299-X72LF	D	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	3
	C	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	3
	B	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	3
	A	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X73 AND 70299-X73LF	D	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3
	C	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3
	B	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3
	A	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X74 AND 70299-X74LF	D	1	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	B	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	A	1	1	1	1	1	-	1	2	2	2	2	2	1	2	1	1	1	1	-	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X75 AND 70299-X75LF	D	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	6	6	6	6	6	6
	C	7	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	7	6	6	6	6	6	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6

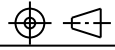
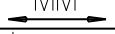
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X76 AND 70299-X76LF	D	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X77 AND 70299-X77LF	D	1	1	1	1	5	1	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	C	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	B	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	A	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X78 AND 70299-X78LF	D	3	3	-	3	3	-	3	3	-	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	3	3	4	3	3	3	-
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	-
	A	4	4	4	4	4	4	4	4	4	4	4	4	-	3	3	3	3	3	3	3	3	3	3	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X79 AND 70299-X79LF	D	3	3	-	3	3	-	3	3	-	3	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	3	-	4	3	3	3	3
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	4	4	4	4	4	4	4	4	4	4	4	4	4	-	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X80 AND 70299-X80LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	3	4	3	-	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	3	4	3	-	-
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	4	-	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	4	-	3	3

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 www.fcjconnect.com				
lfr	ecn no.	dr	date	linear	0.X ±0.3		projection		title	METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT				
CA					0.XX ±0.13									
					.XXX ±.051									
				angles	0° ±2°			scale	A	product family		METRAL	code	213
				dr	T.BRUNGARD	11/19/99				size	dwg no	70299	sheet	11
				engr	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. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X81 AND 70299-X81LF	D	3	3	3	3	3	3	3	3	3	3	3	3	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	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X82 AND 70299-X82LF	D	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2
	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X83 AND 70299-X83LF	D	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6
	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X84 AND 70299-X84LF	D	3	3	-	3	3	-	3	3	-	3	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	3	3	4	3	3	3	3
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3
	A	4	4	4	4	4	4	4	4	4	4	4	4	4	-	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X85 AND 70299-X85LF	D	3	3	-	3	3	-	3	3	-	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	3	3	4	3	3	3	-
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	-
	A	3	3	3	3	3	3	3	3	3	3	3	3	-	3	3	3	3	3	3	3	3	3	3	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X86 AND 70299-X86LF	D	3	3	-	3	3	-	3	3	-	3	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	3	3	4	3	3	3	3
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	-	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X87 AND 70299-X87LF	D	3	3	-	3	3	-	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	-	3	3	-	3	3	-
	B	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-
	A	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
70299-X88 AND 70299-X88LF	D	5	7	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	7	5
	C	5	7	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	7	5
	B	5	7	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	7	5
	A	5	7	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	7	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X89 AND 70299-X89LF	D	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	C	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	B	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X90 AND 70299-X90LF	D	6	6	6	6	6	6	7	6	6	6	6	7	6	6	6	6	6	6	6	6	6	7	7	7
	C	6	6	6	6	6	6	7	6	6	6	6	7	6	6	6	6	6	6	6	6	6	7	7	7
	B	6	6	6	6	6	6	7	6	6	6	6	7	6	6	6	6	6	6	6	6	6	7	7	7
	A	6	6	6	6	6	6	7	6	6	6	6	7	6	6	6	6	6	6	6	6	6	7	7	7

mat'l code				--				tolerances unless otherwise specified				CUSTOMER				FCJ			
ltr		ecn no.		dr		date		linear		0.X ±0.3		projection		COPY		title		www.fcjconnect.com	
CA										0.XX ±0.13						METRAL SIGNAL HEADER			
										.XXX ±.051						4 MOD, 4 ROW PRESS-FIT			
								angles		0° ±2°									
								dr		T.BRUNGARD 11/19/99						product family		METRAL	
								engr		M.STRAWSE 11/19/99						size		dwg no	
								chr		M.STRAWSE 11/19/99						A		70299	
								appd		M.STRAWSE 02/29/00								213	
sheet		revision																	



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X91 AND 70299-X91LF	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X92 AND 70299-X92LF	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X93 AND 70299-X93LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X94 AND 70299-X94LF	D	3	3	3	3	19	3	3	3	3	3	3	3	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	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X95 AND 70299-X95LF	D	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3	3
	C	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3	3
	B	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3	3
	A	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X96 AND 70299-X96LF	D	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X97 AND 70299-X97LF	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X98 AND 70299-X98LF	D	45	45	22	45	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	C	45	45	45	45	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	B	45	45	45	45	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	A	45	45	45	45	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22

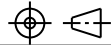
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X99 AND 70299-X99LF	D	7	7	22	7	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	C	7	7	7	7	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	B	7	7	7	7	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	A	7	7	7	7	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X100 AND 70299-X100LF	D	2	2	2	2	4	2	2	2	2	2	2	1	2	2	2	2	19	19	2	3	2	2	2	1
	C	2	1	1	2	2	2	2	2	2	2	1	2	2	2	2	2	19	19	2	3	2	2	2	1
	B	2	2	2	2	2	2	2	2	2	19	2	2	2	2	2	2	19	19	2	3	2	2	2	1
	A	1	2	1	1	1	2	2	2	2	1	2	2	2	2	2	2	19	19	2	3	2	2	2	1

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com		
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection				
CA				linear	0.XX ±0.13					title		
				angles	.XXX ±.051					METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT		
				dr	T.BRUNGARD	11/19/99			product family		METRAL	code
				enrg	M.STRAWSE	11/19/99			size			



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X101 AND 70299-X101LF	D	2	2	2	2	2	2	2	1	2	2	2	1	2	2	2	2	19	19	2	3	2	2	2	19
	C	2	2	2	1	1	2	2	1	2	2	1	2	2	2	2	2	19	19	2	3	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	19	2	2	2	2	2	2	19	19	2	3	2	2	2	19
	A	2	2	1	2	1	2	2	2	2	1	2	2	2	2	2	2	19	19	2	3	2	2	2	19
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X102 AND 70299-X102LF	D	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	3	3	2	2	2	2	2	1
	C	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	3	3	2	2	2	2	2	1
	B	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	3	3	2	2	2	2	2	1
	A	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	3	3	2	2	2	2	2	1
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X103 AND 70299-X103LF	D	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	1	1	2	1	1	2	2	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	1	1	2	1	1	2	2	3	3
	B	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	1	1	2	1	1	2	2	3	3
	A	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	1	1	2	1	1	2	2	3	3

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com							
lfr	ecn no.	dr	date	linear	0.X ±0.3		COPY				title						
CA					0.XX ±0.13		projection				METRAL SIGNAL HEADER						
					.XXX ±.051						4 MOD, 4 ROW PRESS-FIT						
				angles	0° ±2°						product family		METRAL		code		
				dr	T.BRUNGARD	11/19/99			size		dwg no		213				
				enrg	M.STRAWSE	11/19/99			A		70299		sheet				
				chr	M.STRAWSE	11/19/99			scale								
				appd	M.STRAWSE	02/29/00											
sheet		revision															
index		sheet															