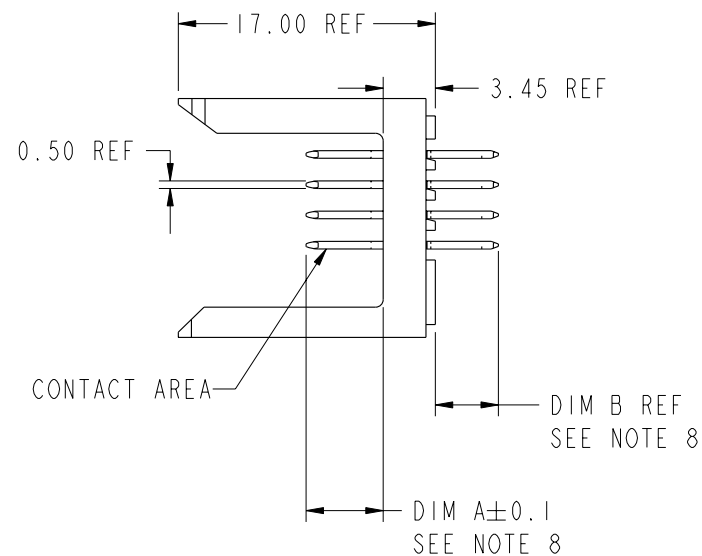
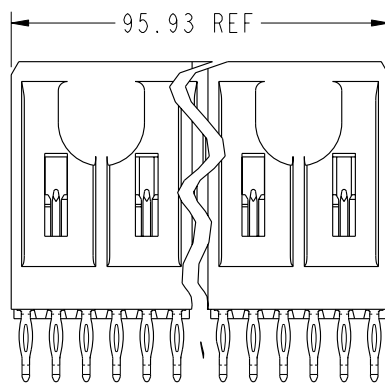
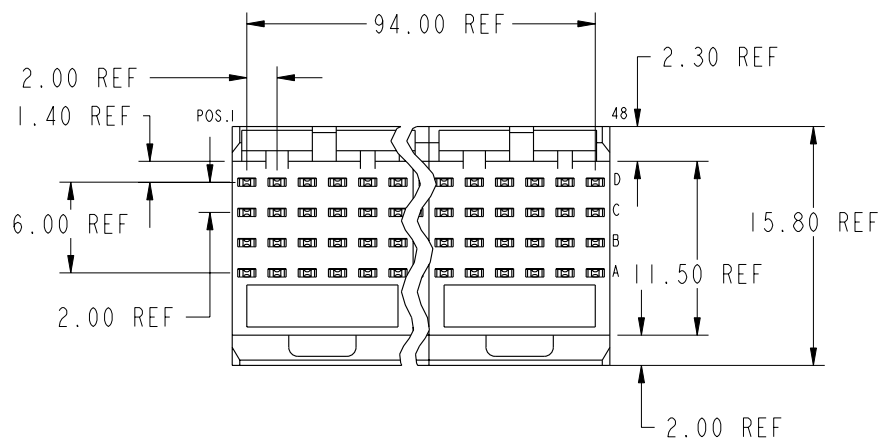
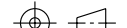
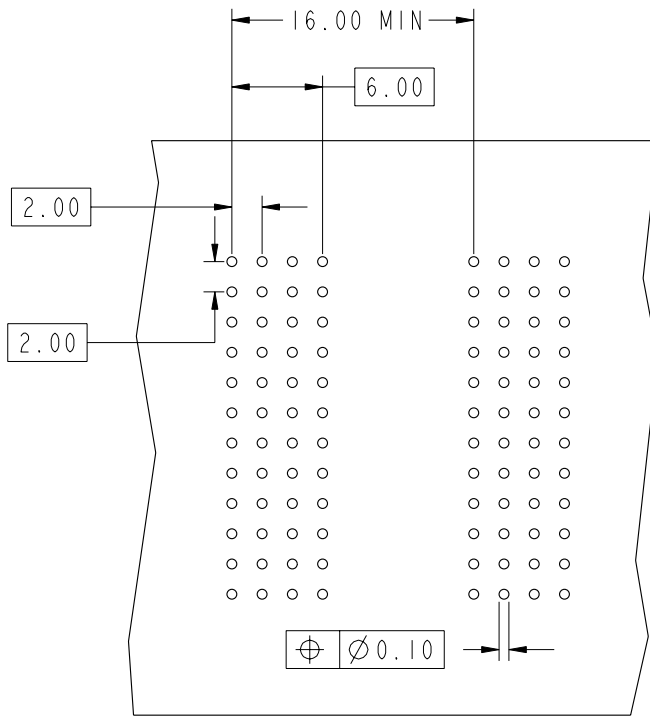




PRODUCT NUMBER  
SEE TABLE




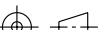

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		FCi		www.fciconnect.com					
ltr	ecn no.	dr	date	linear	0.X ±0.3		projection	COPY		title	product family	code	sheet				
M	V06-0569	DCH	2006-06-13		0.XX ±0.13				MM					size	dwg no	METRAL	213
-	-	-	-		.XXX ±.051												
G	V12262	LSS	09/25/01	angles	0° ±2°												
H	V03-0025	TAB	02/06/03	dr	T.BRUNGARD 11/19/99												
J	V03-1321	DAI	01/16/04	enrg	M.STRAWSE 11/19/99												
K	V04-0786	DAI	08/23/04	chr	M.STRAWSE 11/19/99												
L	V05-0369	DPV	06/02/05	appd	M.STRAWSE 02/29/00												
sheet index	revision sheet	M	M	M	M	M	M	M	M								
		1	2	3	4	5	6	7	8	9							



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
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00

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 8 MOD, 4 ROW PRESS-FIT				
M					0. XX ±0.13		projection							
					. XXX ±.051									
				angles	0° ±2°									
				dr	T.BRUNGARD	11/19/99			product family		METRAL		code	
				engr	M.STRAWSER	11/19/99			size		dwg no		213	
				chr	M.STRAWSER	11/19/99			scale		A		sheet	
				appd	M.STRAWSER	02/29/00	2:1				85948		2	
sheet index		revision sheet												

cage code 22526

Pro/E

PDM: Rev:M

STATUS: Released Printed: May 16, 2009



PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFORMANCE LEVEL OF PLATING IN CONTACT AREA
85948-NIYY	STANDARD	TIN LEAD	TELCORDIA CO (NXT)
85948-N5YY	STANDARD	TIN LEAD	TELCORDIA UE (NXT)
85948-IYY	STANDARD	TIN LEAD	TELCORDIA CO
85948-2YY	STANDARD	TIN LEAD	TELECOM CLASS
85948-3YY	STANDARD	TIN LEAD	IEC CLASS I
85948-5YY	STANDARD	TIN LEAD	TELCORDIA UE
85948-9YY	STANDARD	TIN LEAD	TELCORDIA CO
85948-NIYYLF	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 9 AND 10
85948-N5YYLF	LEAD FREE	TIN	TELCORDIA UE (NXT) SEE NOTES 9 AND 10
85948-IYYLF	LEAD FREE	TIN	TELCORDIA CO, IEC CLASS I, SEE NOTES 9 AND 10
85948-2YYLF	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 9 AND 10
85948-5YYLF	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 85948-NI---OR 85948-N5---WILL WITHSTAND  
EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A  
CONVECTION, INFRA-RED OR VAPOR PHASE  
REFLOW OVEN. PART NUMBERS 85948-NI---AND 85948-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		
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT	
M					0.XX ±0.13					
					.XXX ±.051					
				angles	0° ±2°		MM	product family	METRAL	
				dr	T.BRUNGARD					11/19/99
				engr	M.STRAWSER					11/19/99
				chr	M.STRAWSER	11/19/99	scale	A	size	
				appd	M.STRAWSER	02/29/00				
sheet	revision									
index	sheet									

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X10 AND 85948-X10LF	D	1	1	1	1	1	1
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X14 AND 85948-X14LF	D	4	4	4	4	4	4
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X18 AND 85948-X18LF	D	3	3	3	3	3	3
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X22 AND 85948-X22LF	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-XII AND 85948-XII LF	D	I	I	I	I	I	I
	C	I	I	I	I	I	I
	B	I	I	I	I	I	I
	A	I	I	I	I	I	I

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X15 AND 85948-X15LF	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X19 AND 85948-X19LF	D	4	4	4	4	4	4
	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8				
		1	2	3	4	5
85948-X23 AND 85948-X23LF	D	7	7	7	7	7
	C	6	6	6	6	6
	B	6	6	6	6	6
	A	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X12 AND 85948-X12LF	D	I	I	I	I	I	I
	C	I	I	I	I	I	I
	B	I	I	I	I	I	I
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X16 AND 85948-X16LF	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 THRU 8					
		1	2	3	4	5	6
85948-X20 AND 85948-X20LF	D	5	5	5	5	5	5
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X24 AND 85948-X24LF	D	8	8	8	8	8	8
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	8	8	8	8	8	8

A

A



METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X13 AND 85948-X13LF	D	3	3	3	3	3	3
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	3	3	3	3	3	3




METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X17 AND 85948-X17LF	D	3	3	3	3	3	3
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X2I AND 85948-X2ILF	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X25 AND 85948-X25LF	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

B

1

mat'l code				tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0. X $\pm$ 0.3	projection		title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT		
M					0. XX $\pm$ 0.13						
					.XXX $\pm$ .051						
				angles	0° $\pm$ 2°	 scale	product family	METRAL		code	
				dr	T.BRUNGARD 11/19/99						
				enrg	M. STRAWSER 11/19/99						
				chr	M. STRAWSER 11/19/99						
				appd	M. STRAWSER 02/29/00			size	dwg no		213
						1 : 1	A	85948		sheet	4
sheet index		revision sheet									

112

Pro/E

3

	cage code	22526
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4



METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X26 AND 85948-X26LF	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		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X30 AND 85948-X30LF	D	9	9	9	9	9	9
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	11	11	11	11	11	11

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X34 AND 85948-X34LF	D	12	12	12	12	12	12
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	12	12	12	12	12	12

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X38 AND 85948-X38LF	D	11	11	11	11	11	11
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	9	9	9	9	9	9

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X27 AND 85948-X27LF	D	7	7	7	7	7	7
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	5	5	5	5	5	5

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X31 AND 85948-X31LF	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	9	9	9	9	9	9

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X35 AND 85948-X35LF	D	11	11	11	11	11	11
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X39 AND 85948-X39LF	D	12	12	12	12	12	12
	C	12	12	12	12	12	12
	B	12	12	12	12	12	12
	A	12	12	12	12	12	12

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X28 AND 85948-X28LF	D	7	7	7	7	7	7
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X32 AND 85948-X32LF	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	11	11	11	11	11	11

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X36 AND 85948-X36LF	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	10	10	10	10	10	10


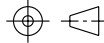

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X40 AND 85948-X40LF	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	4	4	4	4	4	4
	A	2	2	2	2	2	2

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X29 AND 85948-X29LF	D	8	8	8	8	8	8
	C	8	8	8	8	8	8
	B	8	8	8	8	8	8
	A	8	8	8	8	8	8

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X33 AND 85948-X33LF	D	11	11	11	11	11	11
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	11	11	11	11	11	11

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X37 AND 85948-X37LF	D	11	11	11	11	11	11
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	9	9	9	9	9	9

METRAL P/N		CONTACT CODE MOD. 1 THRU 8					
ROW		1	2	3	4	5	6
85948-X41 AND 85948-X41LF	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	4	4	4	4	4	4

mat'l code				--				tolerances unless otherwise specified				CUSTOMER		 www.fciconnect.com																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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				dr	T.BRUNGARD 11/19/99				scale																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				enrg	M.STRAWSER 11/19/99				size																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com					
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT				
M					0.XX ±0.13								
					.XXX ±.051								
				angles	0° ±2°			product family	METRAL				
				dr	T.BRUNGARD					11/19/99	size	dwg no	code
				engr	M.STRAWSE					11/19/99			
				chr	M.STRAWSE	11/19/99							
				appd	M.STRAWSE	02/29/00	scale	1:1	A	85948	213		
sheet	revision										sheet		
index	sheet										5		



METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X42 AND 85948-X42LF	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X43 AND 85948-X43LF	D	13	13	13	13	13	13
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X44 AND 85948-X44LF	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	4	4	4	4	4	4
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X45 AND 85948-X45LF	D	1	1	1	1	1	1
	C	2	2	2	2	2	2
	B	3	3	3	3	3	3
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X46 AND 85948-X46LF	D	19	19	19	19	19	19
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X47 AND 85948-X47LF	D	4	4	4	4	4	4
	C	4	4	4	4	4	4
	B	13	13	13	13	13	13
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X48 AND 85948-X48LF	D	19	19	19	19	19	19
	C	19	19	19	19	19	19
	B	19	19	19	19	19	19
	A	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X49 AND 85948-X49LF	D	4	4	4	4	4	4
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X50 AND 85948-X50LF	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	8	8	8	8	8	8
	A	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X51 AND 85948-X51LF	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X52 AND 85948-X52LF	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X53 AND 85948-X53LF	D	14	14	14	14	14	14
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X54 AND 85948-X54LF	D	6	6	6	6	6	6
	C	7	7	7	7	7	7
	B	8	8	8	8	8	8
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X55 AND 85948-X55LF	D	5	5	5	5	5	5
	C	6	6	6	6	6	6
	B	7	7	7	7	7	7
	A	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X56 AND 85948-X56LF	D	20	20	20	20	20	20
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X57 AND 85948-X57LF	D	8	8	8	8	8	8
	C	8	8	8	8	8	8
	B	14	14	14	14	14	14
	A	14	14	14	14	14	14

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT
M					0.XX ±0.13				
					.XXX ±.051				
				angles	0° ±2°		product family	METRAL	code
				dr	T.BRUNGARD 11/19/99				
				enrg	M.STRAWSE 11/19/99				
				chr	M.STRAWSE 11/19/99		size	dwg no	213
				appd	M.STRAWSE 02/29/00				
sheet index		revision sheet				scale		A	



METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X58 AND 85948-X58LF	D	20	20	20	20	20	20
	C	20	20	20	20	20	20
	B	20	20	20	20	20	20
	A	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X59 AND 85948-X59LF	D	8	8	8	8	8	8
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X60 AND 85948-X60LF	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	12	12	12	12	12	12
	A	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X61 AND 85948-X61LF	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X62 AND 85948-X62LF	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X63 AND 85948-X63LF	D	15	15	15	15	15	15
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X64 AND 85948-X64LF	D	10	10	10	10	10	10
	C	11	11	11	11	11	11
	B	12	12	12	12	12	12
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X65 AND 85948-X65LF	D	9	9	9	9	9	9
	C	10	10	10	10	10	10
	B	11	11	11	11	11	11
	A	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X66 AND 85948-X66LF	D	21	21	21	21	21	21
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X67 AND 85948-X67LF	D	12	12	12	12	12	12
	C	12	12	12	12	12	12
	B	15	15	15	15	15	15
	A	15	15	15	15	15	15

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X68 AND 85948-X68LF	D	21	21	21	21	21	21
	C	21	21	21	21	21	21
	B	21	21	21	21	21	21
	A	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X69 AND 85948-X69LF	D	12	12	12	12	12	12
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X70 AND 85948-X70LF	D	4	4	4	4	4	4
	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 THRU 8					
		1	2	3	4	5	6
85948-X71 AND 85948-X71LF	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	1	1	1	1	1	1
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X72 AND 85948-X72LF	D	2	2	2	2	2	2
	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X73 AND 85948-X73LF	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	2	2	2	2	2	2
	A	3	3	3	3	3	3

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT
M					0.XX ±0.13				
					.XXX ±.051				
				angles	0° ±2°		product family	METRAL	code
				dr	T.BRUNGARD 11/19/99				
				engr	M.STRAWSE 11/19/99				
				chr	M.STRAWSE 11/19/99		size	dwg no	sheet
				appd	M.STRAWSE 02/29/00				
sheet index		revision sheet				scale		A	



A

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X77 AND 85948-X77LF	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	19	19	19	19	19	19
	A	3	3	3	3	3	3

B

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X81 AND 85948-X81LF	D	7	7	7	7	7	7
	C	7	7	7	7	7	7
	B	5	5	5	5	5	5
	A	7	7	7	7	7	7

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT	
M					0.XX ±0.13					
					.XXX ±.051					
				angles	0° ±2°			product family	METRAL	
				dr	T.BRUNGARD					11/19/99
				enrg	M.STRAWSE					11/19/99
				chr	M.STRAWSE	11/19/99	size	dwg no	code	
				appd	M.STRAWSE	02/29/00				
sheet		revision				scale		A		
index		sheet				1:1		85948		
								213		
								sheet		
								8		

A

B

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X74 AND 85948-X74LF	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X78 AND 85948-X78LF	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	3	3	3	3	3	3
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X82 AND 85948-X82LF	D	6	6	6	6	6	6
	C	8	8	8	8	8	8
	B	8	8	8	8	8	8
	A	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X86 AND 85948-X86LF	D	20	20	20	20	20	20
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X75 AND 85948-X75LF	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X79 AND 85948-X79LF	D	3	3	3	3	3	3
	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 THRU 8					
		1	2	3	4	5	6
85948-X83 AND 85948-X83LF	D	6	6	6	6	6	6
	C	7	7	7	7	7	7
	B	6	6	6	6	6	6
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X87 AND 85948-X87LF	D	6	6	6	6	6	6
	C	7	7	7	7	7	7
	B	20	20	20	20	20	20
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X76 AND 85948-X76LF	D	19	19	19	19	19	19
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X80 AND 85948-X80LF	D	8	8	8	8	8	8
	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 THRU 8					
		1	2	3	4	5	6
85948-X84 AND 85948-X84LF	D	6	6	6	6	6	6
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X88 AND 85948-X88LF	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	7	7	7	7	7	7
	A	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X77 AND 85948-X77LF	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	19	19	19	19	19	19
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X81 AND 85948-X81LF	D	7	7	7	7	7	7
	C	7	7	7	7	7	7
	B	5	5	5	5	5	5
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X85 AND 85948-X85LF	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	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X89 AND 85948-X89LF	D	7	7	7	7	7	7
	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 THRU 8					
		1	2	3	4	5	6
85948-X90 AND 85948-X90LF	D	12	12	12	12	12	12
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X94 AND 85948-X94LF	D	10	10	10	10	10	10
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X98 AND 85948-X98LF	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	11	11	11	11	11	11
	A	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X91 AND 85948-X91LF	D	11	11	11	11	11	11
	C	11	11	11	11	11	11
	B	9	9	9	9	9	9
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X95 AND 85948-X95LF	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X99 AND 85948-X99LF	D	11	11	11	11	11	11
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X92 AND 85948-X92LF	D	10	10	10	10	10	10
	C	12	12	12	12	12	12
	B	12	12	12	12	12	12
	A	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X96 AND 85948-X96LF	D	21	21	21	21	21	21
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X93 AND 85948-X93LF	D	10	10	10	10	10	10
	C	11	11	11	11	11	11
	B	10	10	10	10	10	10
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1 THRU 8					
		1	2	3	4	5	6
85948-X97 AND 85948-X97LF	D	10	10	10	10	10	10
	C	11	11	11	11	11	11
	B	21	21	21	21	21	21
	A	11	11	11	11	11	11

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT
M					0.XX ±0.13				
					.XXX ±.051				
				angles	0° ±2°		MM	product family	METRAL
				dr	T.BRUNGARD 11/19/99				
				engr	M.STRAWSER 11/19/99				
				chr	M.STRAWSER 11/19/99	scale	A	size	dwg no
				appd	M.STRAWSER 02/29/00				
sheet	revision								
index	sheet								