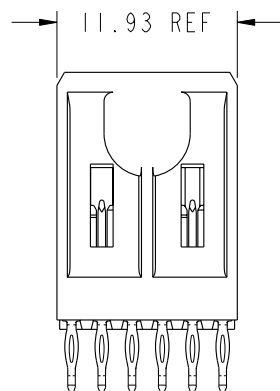
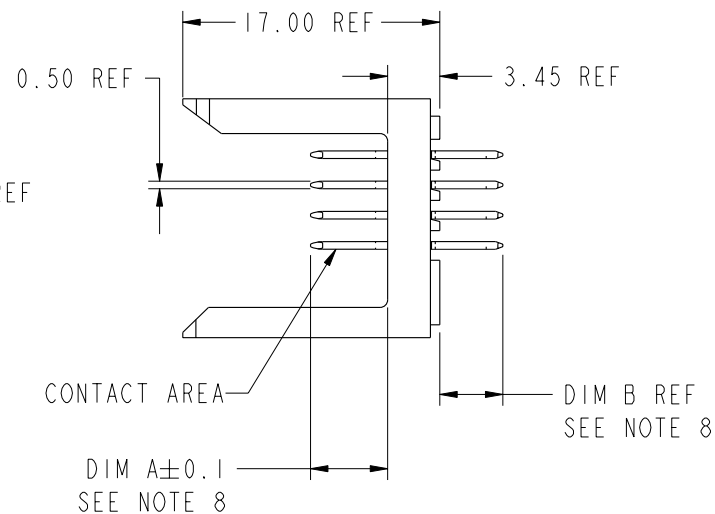
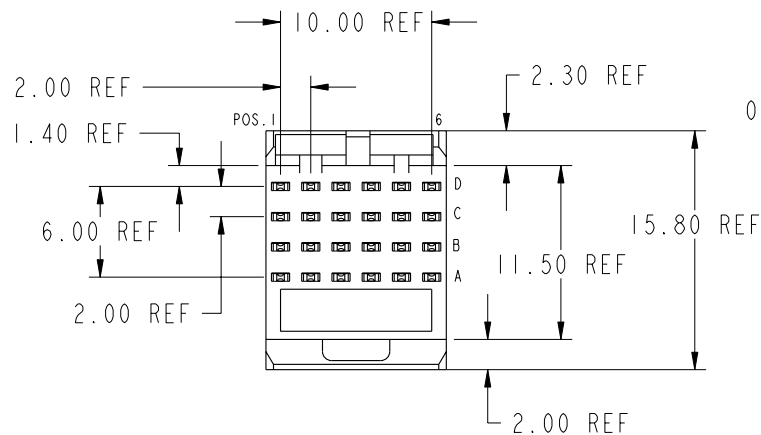




PRODUCT NUMBER

SEE TABLE



mat'l code				tolerances unless otherwise specified				CUSTOMER		FCi www.fciconnect.com				
ltr	ecr no.	dr	date	linear	0.X ±0.3			COPY		title	METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT			
AM	V06-0569	DCH	2006-06-12		0.XX ±0.13			projection						
AN	V06-1023	DCH	2006-10-06		.XXX ±.051									
-	-	-	-	angles	0° ±2°					product family		METRAL		code
AH	V03-1320	TAB	12/16/03	dr	T.BRUNGARD	11/19/99		scale		size	dwg no		213	
AJ	V04-0376	HTB	04/15/04	enr	M.STRAWSE	11/19/99				A	85713		sheet	
AK	V04-0701	TAB	07/29/04	chr	M.STRAWSE	11/19/99					1 of 6			
AL	V05-0365	VS	05/05/05	appd	M.STRAWSE	02/29/00		2:1						
sheet index	revision sheet	AN	AN	AN	AN	AN	AN							
		1	2	3	4	5	6							

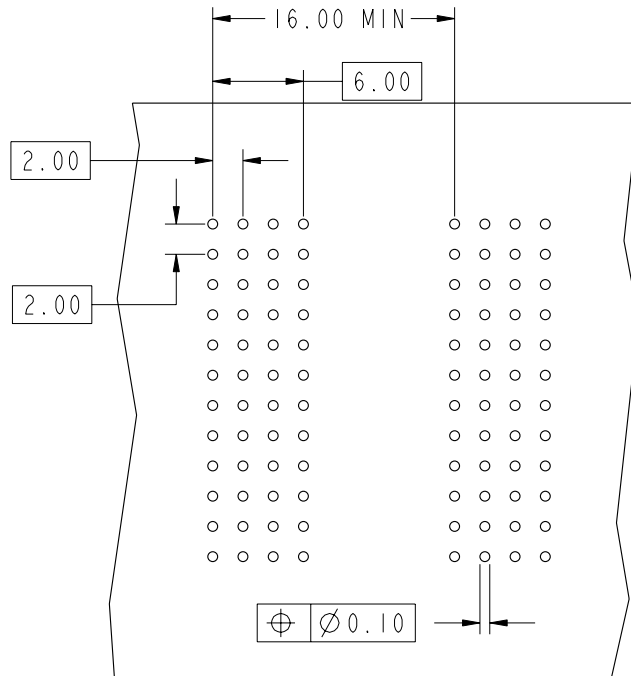
Pro/E

cage code 22526

PDM: Rev:AN

STATUS:Released

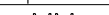
Printed: Jan 02, 2008



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
22	5.00	12.10
25	5.75	15.60
26	5.00	14.90
31	5.75	12.90
40	5.00	15.60
41	6.50	15.60
42	7.25	15.60
43	8.00	15.60
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		FCI www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0. X ±0.3		COPY		projection 	title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT		
AN					0. XX ±0.13							
					. XXX ±.051							
				angles	0° ±2°							
				dr	T. BRUNGARD 11/19/99				product family		METRAL	code
				enrg	M. STRAWSER 11/19/99				size	dwg no	213	
				chr	M. STRAWSER 11/19/99				scale	A	85713	
				appd	M. STRAWSER 02/29/00		2:1				sheet	2
sheet index	revision sheet											

cage code 22526

Pro/E

PDM: Rev:AN

STATUS:Released

Printed: Jan 02, 2008



A

PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFORMANCE LEVEL OF PLATING IN CONTACT AREA
85713-NIYY	STANDARD	TIN LEAD	TELCORDIA CO (NXT)
85713-N5YY	STANDARD	TIN LEAD	TECORDIA UE (NXT)
85713-IYY	STANDARD	TIN LEAD	TELCORDIA CO
85713-2YY	STANDARD	TIN LEAD	TELECOM CLASS
85713-3YY	STANDARD	TIN LEAD	IEC CLASS I
85713-5YY	STANDARD	TIN LEAD	TELCORDIA UE
85713-9YY	STANDARD	TIN LEAD	TELCORDIA CO
85713-NIYYLF	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 9 AND 10
85713-N5YYLF	LEAD FREE	TIN	TECORDIA UE (NXT) SEE NOTES 9 AND 10
85713-IYYLF	LEAD FREE	TIN	TELCORDIA CO, IEC CLASS I, SEE NOTES 9 AND 10
85713-2YYLF	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 9 AND 10
85713-5YYLF	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 CIRCUIT BOARD WITH
QUALIFIED TOOL.
- THE PRODUCTS WHERE THE PART NUMBERS ENDS IN
LF MEET THE EUROPEAN UNION DIRECTIVE AND OTHER
COUNTRY REGULATIONS AS DESCRIBED IN GS-12-008.
- ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS
CONTAINING 85713-NI--- OR 85713-N5--- WILL WITHSTAND
EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A
CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
PART NUMBERS 85713-NI--- AND 85713-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.

A

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT	
AN					0.XX ±0.13	projection			
					.XXX ±.051				
				angles	0° ±2°				
				dr	T.BRUNGARD	11/19/99		product family METRAL	
				engr	M.STRAWSER	11/19/99		code 213	
				chr	M.STRAWSER	11/19/99		sheet 3	
				appd	M.STRAWSER	02/29/00			
sheet index		revision sheet							

B



METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X01 AND 85713-X01LF	D	1	1	1	1	1	1
	C	3	3	3	3	3	3
	B	1	1	1	1	1	1
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X02 AND 85713-X02LF	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X03 AND 85713-X03LF	D	45	45	45	45	45	45
	C	45	45	45	45	45	45
	B	45	45	45	45	45	45
	A	45	45	45	45	45	45

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X04 AND 85713-X04LF	D	7	7	7	7	7	7
	C	31	31	31	31	31	31
	B	31	31	31	31	31	31
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X05 AND 85713-X05LF	D	22	22	22	22	22	22
	C	22	22	22	22	22	22
	B	22	22	22	22	22	22
	A	22	22	22	22	22	22

2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X06 AND 85713-X06LF	D	31	31	31	31	31	31
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	31	31	31	31	31	31

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X07 AND 85713-X07LF	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X08 AND 85713-X08LF	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X09 AND 85713-X09LF	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X10 AND 85713-X10LF	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	4	4	4	4	4	4

3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X11 AND 85713-X11LF	D	13	13	13	13	13	13
	C	13	13	13	13	13	13
	B	13	13	13	13	13	13
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X12 AND 85713-X12LF	D	1	1	1	1	1	1
	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. I					
		1	2	3	4	5	6
85713-X13 AND 85713-X13LF	D	3	3	3	3	3	3
	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. I					
		1	2	3	4	5	6
85713-X14 AND 85713-X14LF	D	11	11	11	11	11	11
	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. I					
		1	2	3	4	5	6
85713-X15 AND 85713-X15LF	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	4	4	4	4	4	4
	A	4	4	4	4	4	4

4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X16 AND 85713-X16LF	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X17 AND 85713-X17LF	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	14	14	14	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X18 AND 85713-X18LF	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	15	15	15	15	15	15

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X19 AND 85713-X19LF	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	9	9	9	9	9	9
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X20 AND 85713-X20LF	D	40	40	40	40	40	40
	C	40	40	40	40	40	40
	B	40	40	40	40	40	40
	A	40	40	40	40	40	40

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

2

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3

cage code 22526

4



METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X21 AND 85713-X21LF	D	19	19	19	19	19	19
	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. I					
		1	2	3	4	5	6
85713-X22 AND 85713-X22LF	D	20	20	20	20	20	20
	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. I					
		1	2	3	4	5	6
85713-X23 AND 85713-X23LF	D	14	14	14	14	14	14
	C	20	20	20	20	20	20
	B	20	20	20	20	20	20
	A	14	14	14	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X24 AND 85713-X24LF	D	13	13	13	13	13	13
	C	19	19	19	19	19	19
	B	19	19	19	19	19	19
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X25 AND 85713-X25LF	D	26	26	26	26	26	26
	C	26	26	26	26	26	26
	B	26	26	26	26	26	26
	A	26	26	26	26	26	26

2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X26 AND 85713-X26LF	D	40	40	40	40	40	40
	C	25	25	25	25	25	25
	B	25	25	25	25	25	25
	A	41	41	41	41	41	41

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X27 AND 85713-X27LF	D	19	19	19	19	19	19
	C	2	2	2	2	2	2
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X28 AND 85713-X28LF	D	3	3	3	3	3	3
	C	4	4	4	4	4	4
	B	19	19	19	19	19	19
	A	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X29 AND 85713-X29LF	D	3	3	3	3	3	3
	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. I					
		1	2	3	4	5	6
85713-X30 AND 85713-X30LF	D	59	59	59	59	59	59
	C	59	59	59	59	59	59
	B	59	59	59	59	59	59
	A	59	59	59	59	59	59

3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X31 AND 85713-X31LF	D	59	59	59	59	59	59
	C	59	59	59	59	59	59
	B	59	59	59	59	59	59
	A	61	61	61	61	61	61

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X32 AND 85713-X32LF	D	61	61	61	61	61	61
	C	60	60	60	60	60	60
	B	60	60	60	60	60	60
	A	61	61	61	61	61	61

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X33 AND 85713-X33LF	D	61	61	61	61	61	61
	C	61	61	61	61	61	61
	B	61	61	61	61	61	61
	A	61	61	61	61	61	61

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X34 AND 85713-X34LF	D	60	60	60	60	60	60
	C	60	60	60	60	60	60
	B	62	62	62	62	62	62
	A	60	60	60	60	60	60

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X35 AND 85713-X35LF	D	61	61	61	61	61	61
	C	62	62	62	62	62	62
	B	63	63	63	63	63	63
	A	63	63	63	63	63	63

4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X36 AND 85713-X36LF	D	61	61	61	61	61	61
	C	61	61	61	61	61	61
	B	63	63	63	63	63	63
	A	61	61	61	61	61	61

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X37 AND 85713-X37LF	D	60	60	60	60	60	60
	C	60	60	60	60	60	60
	B	60	60	60	60	60	60
	A	60	60	60	60	60	60

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X38 AND 85713-X38LF	D	62	62	62	62	62	62
	C	62	62	62	62	62	62
	B	62	62	62	62	62	62
	A	62	62	62	62	62	62

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X39 AND 85713-X39LF	D	63	63	63	63	63	63
	C	63	63	63	63	63	63
	B	63	63	63	63	63	63
	A	63	63	63	63	63	63

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X40 AND 85713-X40LF	D	40	40	40	40	40	40
	C	40	40	40	40	40	40
	B	40	40	40	40	40	40
	A	40	40	40	40	40	40

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCi www.fciconnect.com					
lfr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT				
AN					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	85713	sheet		
sheet	revision												
index	sheet												

2

Pro/E

3

cage code 22526

4



A

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X45 AND 85713-X45LF	D	41	41	41	41	41	41
	C	42	42	42	42	42	42
	B	43	43	43	43	43	43
	A	43	43	43	43	43	43

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X44 AND 85713-X44LF	D	25	25	25	25	25	25
	C	25	25	25	25	25	25
	B	42	42	42	42	42	42
	A	25	25	25	25	25	25

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X43 AND 85713-X43LF	D	41	41	41	41	41	41
	C	41	41	41	41	41	41
	B	41	41	41	41	41	41
	A	41	41	41	41	41	41

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X42 AND 85713-X42LF	D	41	41	41	41	41	41
	C	25	25	25	25	25	25
	B	25	25	25	25	25	25
	A	41	41	41	41	41	41

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X41 AND 85713-X41LF	D	40	40	40	40	40	40
	C	40	40	40	40	40	40
	B	40	40	40	40	40	40
	A	41	41	41	41	41	41

A

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X50 AND 85713-X50LF	D	11	11	11	11	11	11
	C	11	11	11	11	11	11
	B	21	21	21	21	21	21
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X49 AND 85713-X49LF	D	11	11	11	11	11	11
	C	12	12	12	12	12	12
	B	21	21	21	21	21	21
	A	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X48 AND 85713-X48LF	D	43	43	43	43	43	43
	C	43	43	43	43	43	43
	B	43	43	43	43	43	43
	A	43	43	43	43	43	43

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X47 AND 85713-X47LF	D	42	42	42	42	42	42
	C	42	42	42	42	42	42
	B	42	42	42	42	42	42
	A	42	42	42	42	42	42

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X46 AND 85713-X46LF	D	41	41	41	41	41	41
	C	41	41	41	41	41	41
	B	43	43	43	43	43	43
	A	41	41	41	41	41	41

Pro/E

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mat'l code				tolerances unless otherwise specified		CUSTOMER		FCJ	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		www.fciconnect.com	
AN				linear	0.XX ±0.13	projection		title	
				angles	.XXX ±.051			METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT	
				dr	T.BRUNGARD 11/19/99	MM		product family	
				engr	M.STRAWSE 11/19/99	scale		METRAL	
				chr	M.STRAWSE 11/19/99	1:1		code	
				appd	M.STRAWSE 02/29/00			213	
sheet		revision						sheet	
index		sheet						6	
								cage code	
								22526	
								4	

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