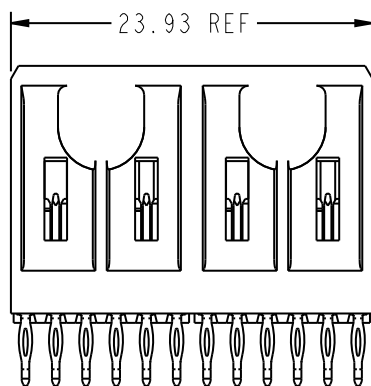
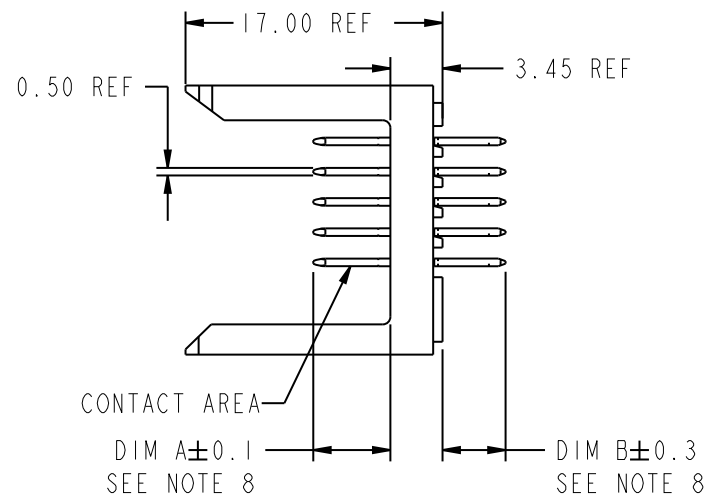
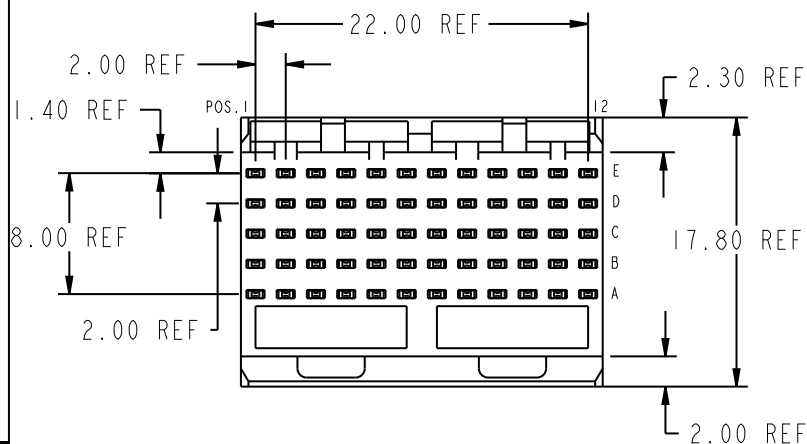
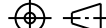
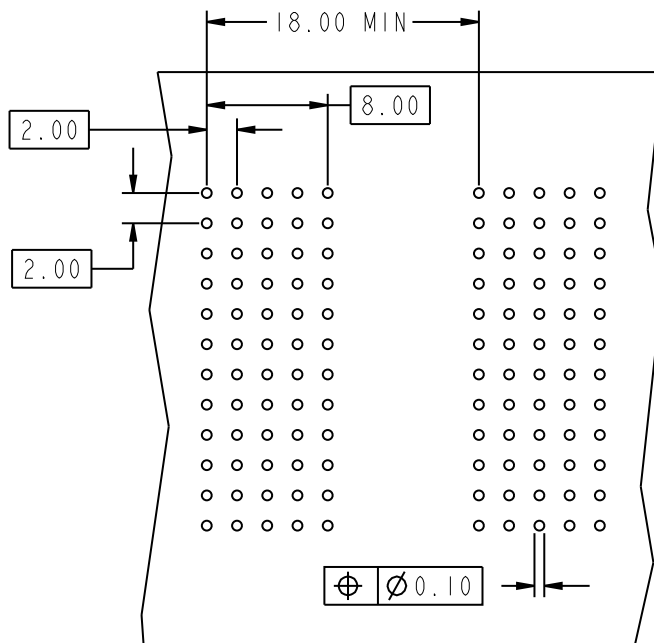




PRODUCT NUMBER
85853-XXX OR 85853-XXXX
85853-XXYLF OR 85853-XXYYLF



mat'l code				--				tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
lfr	ecn no.	dr	date	linear	0. X ±0.3				COPY								title METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
CW	V06-0569	DCH	2006-06-13		0. XX ±0.13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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-	-	-	-	angles	0° ±2°				scale 2:1				product family METRAL				code 213																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
CS	V04-0408	TAB	04/27/04	dr	T. BRUNGARD 11/19/99				scale 2:1				size				dwg no 85853				sheet 1 of 1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
CT	V04-0353	DAI	05/02/04	enrg	M. STRAWER 11/19/99								A				CX CX CX CX CX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
CU	V04-0559	HTB	06/01/04	chr	M. STRAWER 11/19/99								CX CX CX CX CX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
CV	V04-1100	DAI	01/25/05	appd	M. STRAWER 02/29/00				CX CX CX CX CX				CX CX CX CX CX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
sheet index		revision sheet		CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX	CX



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
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
25	5.75	15.60
33	7.25	12.90
36	5.75	14.40
49	5.75	15.10
64	5.75	14.90
67	7.25	16.30

mat'l code				tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3		COPY				
CX					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°				title		
				dr	T.BRUNGARD	11/19/99	 MM		product family		code
				enr	M.STRAWSE	11/19/99			METRAL		213
				chr	M.STRAWSE	11/19/99					sheet
				appd	M.STRAWSE	02/29/00	scale		size	dwg no	
							1:1		A	85853	
sheet	revision										
index	sheet										

cage code 22526

Pro/E

PDM: Rev: CX

STATUS: Released

Printed: Jan 17, 2011



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X01 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X02 SEE NOTE 10 LEAD FREE OPTION	E	3	3	19	3	3	19	3	3	19	3
	D	3	19	3	3	19	3	3	19	3	3
	C	19	3	3	19	3	3	19	3	3	19
	B	3	3	19	3	3	19	3	3	19	3
	A	3	19	3	3	19	3	3	19	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X03 SEE NOTE 10 LEAD FREE OPTION	E	19	3	19	3	19	3	19	3	19	3
	D	3	19	3	19	3	19	3	19	3	19
	C	19	3	19	3	19	3	19	3	19	3
	B	3	19	3	19	3	19	3	19	3	19
	A	19	3	19	3	19	3	19	3	19	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X04 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10	10	10	10	10
	D	10	10	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10	10	10
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X05 SEE NOTE 10 LEAD FREE OPTION	E	7	6	5	5	5	5	5	5	5	5
	D	7	6	5	5	5	5	5	5	5	5
	C	7	6	5	5	5	5	5	5	5	5
	B	7	6	5	5	5	5	5	5	5	5
	A	7	6	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X06 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25	25	25	25	25
	D	25	25	25	25	25	25	25	25	25	25
	C	25	25	25	25	25	25	25	25	25	25
	B	25	25	25	25	25	25	25	25	25	25
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X07 SEE NOTE 10 LEAD FREE OPTION	E	33	7	7	7	7	7	7	7	7	7
	D	36	7	7	7	7	7	7	7	7	7
	C	33	7	7	7	7	7	7	7	7	7
	B	36	7	7	7	7	7	7	7	7	7
	A	33	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X08 SEE NOTE 10 LEAD FREE OPTION	E	4	1	1	1	19	1	1	1	19	1
	D	3	1	1	1	19	1	1	1	1	1
	C	3	1	1	1	19	1	1	1	19	1
	B	3	1	1	1	19	1	1	1	19	1
	A	3	1	1	1	19	1	1	1	19	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X09 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	4	4	4	4	4	4	4	4	4	4
	B	1	2	2	2	2	2	2	1	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X10 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	20
	D	6	6	6	6	6	6	6	6	6	20
	C	6	6	6	6	6	6	6	6	6	20
	B	6	6	6	6	6	6	6	6	6	20
	A	6	6	6	6	6	6	6	6	6	20

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X11 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	4	2	19
	D	2	2	2	2	2	2	2	4	2	19
	C	2	2	2	2	2	2	2	4	2	19
	B	2	2	2	2	2	2	2	4	2	19
	A	2	2	2	2	2	2	2	4	2	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X12 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6
	C	20	20	20	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6
	A	8	8	8	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X13 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	19	19	19	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	4	4	4	2	2	2	2	2	2	2

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCi www.fciconnect.com	
lfr	ecr no.	dr	date	linear	0.X ±0.3			projection	COPY		
CX					0.XX ±0.13				title		
					.XXX ±.051				METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT		
				angles	0° ±2°			MM scale 1:1	product family		
				dr	T.BRUNGARD 11/19/99				METRAL		
				enrg	M.STRAWSE 11/19/99				code		
				chr	M.STRAWSE 11/19/99			size			
				appd	M.STRAWSE 02/29/00			dwg no			
sheet index		revision sheet						A		85853	
										213	
										sheet 3	
										cage code 22526	
										4	



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X14 SEE NOTE 10 LEAD FREE OPTION	E	1	4	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	4	1	4	3	1
	C	1	1	1	4	1	1	1	4	3	3
	B	1	4	1	1	1	1	1	4	3	3
	A	1	1	1	1	1	4	1	4	1	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X15 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	4	1	1	1	4	1	1
	D	1	4	1	1	1	1	4	1	1	1
	C	1	1	1	1	4	1	1	1	4	1
	B	1	1	4	1	1	1	1	4	1	1
	A	1	1	1	1	1	4	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X16 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	3	3	1	3	1
	D	1	1	1	1	1	3	3	1	3	1
	C	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1
	A	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X17 SEE NOTE 10 LEAD FREE OPTION	E	1	4	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	4	1	4	3	1
	C	1	1	1	4	1	1	1	4	3	3
	B	1	4	1	1	1	1	1	4	3	3
	A	1	1	1	1	1	4	1	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X18 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	4	1	1	1	4	1	1
	D	1	4	1	1	1	1	4	1	1	1
	C	1	1	1	1	4	1	1	1	4	1
	B	1	1	4	1	1	1	1	4	1	1
	A	4	4	1	1	1	4	1	1	1	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X19 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25	25	25	25	25
	D	25	25	25	25	25	25	25	25	25	25
	C	25	25	25	25	25	25	25	25	25	25
	B	25	25	25	25	25	25	25	25	25	25
	A	25	25	25	25	25	25	25	25	25	25

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X20 SEE NOTE 10 LEAD FREE OPTION	E	3	2	2	2	2	2	3	2	2	2
	D	3	2	2	2	2	2	2	2	2	3
	C	3	2	2	2	4	4	4	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X21 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	19
	D	2	2	2	2	2	2	2	2	2	19
	C	2	2	2	2	2	2	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	19
	A	2	2	2	2	2	4	2	4	2	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X22 SEE NOTE 10 LEAD FREE OPTION	E	4	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	19	19	19	2	19	2	2	2	2	2
	B	2	2	2	2	4	2	2	2	2	2
	A	4	2	2	2	4	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X23 SEE NOTE 10 LEAD FREE OPTION	E	49	49	49	49	49	49	49	49	49	49
	D	49	49	49	49	49	49	49	49	49	49
	C	49	49	49	49	49	49	49	49	49	49
	B	49	49	49	49	49	49	49	49	49	49
	A	49	49	49	49	49	49	49	49	49	49

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X24 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	20
	D	6	6	6	6	6	6	6	6	6	20
	C	6	6	6	6	6	6	6	6	6	20
	B	6	6	6	6	6	6	6	6	6	20
	A	6	6	6	6	6	8	6	8	6	20

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X25 SEE NOTE 10 LEAD FREE OPTION	E	8	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6
	C	20	20	20	6	6	20	6	6	6	6
	B	6	6	6	6	6	8	6	6	6	6
	A	8	6	6	6	6	8	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X26 SEE NOTE 10 LEAD FREE OPTION	E	1	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lfr	ecr no.	dr	date	linear	0.X ±0.3	COPY		projection		title	
CX					0.XX ±0.13					METRAL SIGNAL HEADER	
				angles	.XXX ±.051					2 MOD, 5 ROW PRESS-FIT	
					0° ±2°						
		dr	T.BRUNGARD	11/19/99		MM		product family		METRAL	code
		enr	M.STRAWSE	11/19/99		scale		size		dwg no	213
		chr	M.STRAWSE	11/19/99		1:1		A		85853	sheet
		appd	M.STRAWSE	02/29/00							4
sheet	revision										
index	sheet										



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X27 SEE NOTE 10 LEAD FREE OPTION	E	5	7	7	7	7	7	7	7	7	7
	D	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X28 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	-	2	-	2
	D	2	2	2	2	2	2	-	-	-	-
	C	2	2	2	2	2	2	2	2	-	2
	B	2	2	2	2	2	2	-	-	-	-
	A	2	2	2	2	2	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X29 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	2	-	2	-
	D	-	-	-	-	-	-	-	-	-	-
	C	2	-	2	-	2	-	2	-	2	-
	B	-	-	-	-	-	-	-	-	-	-
	A	2	-	2	-	2	-	2	-	2	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X30 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	3	19	19	3
	D	-	-	-	-	-	-	3	19	19	3
	C	2	-	2	-	2	-	3	19	19	3
	B	-	-	-	-	-	-	3	19	19	3
	A	2	-	2	-	2	-	3	19	19	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X31 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	4	2	2	2
	D	-	-	-	-	-	-	4	2	2	2
	C	2	-	2	-	2	-	4	2	2	2
	B	-	-	-	-	-	-	4	2	2	2
	A	2	-	2	-	2	-	4	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X32 SEE NOTE 10 LEAD FREE OPTION	E	20	7	7	7	7	20	7	7	7	6
	D	20	7	7	7	7	20	7	7	7	6
	C	20	7	7	7	7	20	7	7	7	6
	B	20	7	7	7	7	20	7	7	7	6
	A	20	7	7	7	7	20	7	7	7	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X33 SEE NOTE 10 LEAD FREE OPTION	E	20	7	7	7	7	20	7	7	7	7
	D	20	7	7	7	7	20	7	7	7	7
	C	20	7	7	7	7	20	7	7	7	7
	B	20	7	7	7	7	20	7	7	7	7
	A	20	7	7	7	7	20	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X34 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	2	2	2	2
	D	-	-	-	-	-	-	2	2	2	2
	C	2	-	2	-	2	-	2	2	2	2
	B	-	-	-	-	-	-	2	2	2	2
	A	2	-	2	-	2	-	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X35 SEE NOTE 10 LEAD FREE OPTION	E	19	3	3	3	3	3	19	3	3	2
	D	19	3	3	3	3	3	19	3	3	2
	C	19	3	3	3	3	3	19	3	3	2
	B	19	3	3	3	3	3	19	3	3	2
	A	19	3	3	3	3	3	19	3	3	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X36 SEE NOTE 10 LEAD FREE OPTION	E	19	3	3	3	3	3	19	3	3	3
	D	19	3	3	3	3	3	19	3	3	3
	C	19	3	3	3	3	3	19	3	3	3
	B	19	3	3	3	3	3	19	3	3	3
	A	19	3	3	3	3	3	19	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X37 SEE NOTE 10 LEAD FREE OPTION	E	1	-	1	-	1	-	1	-	1	-
	D	-	1	-	1	-	1	-	1	-	1
	C	1	-	1	-	1	-	1	-	1	-
	B	-	1	-	1	-	1	-	1	-	1
	A	1	-	1	-	1	-	1	-	1	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X38 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	19	-	19	-	19	-	19
	D	19	19	19	19	-	19	-	19	-	19
	C	19	19	19	19	-	19	-	19	-	19
	B	19	19	19	19	-	19	-	19	-	19
	A	19	19	19	19	-	19	-	19	-	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X39 SEE NOTE 10 LEAD FREE OPTION	E	3	3	7	3	3	7	7	7	7	7
	D	3	3	7	3	3	7	7	7	7	7
	C	3	7	7	7	3	7	7	7	7	7
	B	3	3	3	3	3	7	7	7	7	7
	A	3	3	3	3	3	3	3	3	3	3

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 2 MOD, 5 ROW PRESS-FIT
CX					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	revision					scale	A	85853	sheet
index	sheet								



1 2												3												4																							
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2																
		1	2	3	4	5	6	7	8	9	10			11	12	1	2	3	4	5	6	7	8			9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12						
		E	4	4	4	4	4	4	4	4	4			4	4	4	E	1	1	1	1	1	1			2	2	2	2	2	2	E	1	1	1	1	1	1	2	2	2	2	2	2			
		D	4	4	4	4	4	4	4	4	4			4	4	4	D	1	1	1	1	1	1			2	2	2	2	2	2	D	1	1	1	1	1	1	2	2	2	2	2	2			
		C	4	4	4	4	4	4	4	4	4			4	4	4	C	1	1	2	2	2	2			1	1	1	1	1	1	C	1	1	2	2	2	2	1	1	1	1	1	1			
		B	4	4	4	4	4	4	4	4	4			4	4	4	B	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			
85853-X40 SEE NOTE 10 LEAD FREE OPTION												85853-X45 SEE NOTE 10 LEAD FREE OPTION												85853-X49 SEE NOTE 10 LEAD FREE OPTION																							
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2																
		1	2	3	4	5	6	7	8	9	10			11	12	1	2	3	4	5	6	7	8			9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12						
		E	3	-	3	3	-	3	3	-	3			3	-	3	E	5	5	5	5	5	5			2	2	2	2	2	2	E	5	5	5	5	5	5	2	2	2	2	2	2			
		D	3	3	3	3	3	3	3	3	3			3	3	3	D	5	5	5	5	5	5			2	2	2	2	2	2	D	5	5	5	5	5	5	2	2	2	2	2	2			
		C	3	3	3	3	3	3	3	3	3			3	3	3	C	5	5	6	6	6	6			1	1	1	1	1	1	C	5	5	6	6	6	6	1	1	1	1	1	1			
		B	3	3	3	3	3	3	3	3	3			3	3	3	B	5	5	5	5	5	5			1	1	1	1	1	1	B	5	5	5	5	5	5	1	1	1	1	1	1			
85853-X41 SEE NOTE 10 LEAD FREE OPTION												85853-X46 SEE NOTE 10 LEAD FREE OPTION												85853-X50 SEE NOTE 10 LEAD FREE OPTION																							
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2																
		1	2	3	4	5	6	7	8	9	10			11	12	1	2	3	4	5	6	7	8			9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12						
		E	2	2	2	2	2	2	1	1	1			1	1	1	E	-	5	5	-	5	5			-	5	5	-	5	5	E	5	5	5	5	5	5	6	6	6	6	6	6			
		D	2	2	2	2	2	2	1	1	1			1	1	1	D	-	5	5	-	5	5			-	5	5	-	5	5	D	5	5	5	5	5	5	6	6	6	6	6	6			
		C	1	1	1	1	1	1	2	2	2			2	1	1	C	-	5	5	-	5	5			-	5	5	-	5	5	C	5	5	6	6	6	6	5	5	5	5	5	5			
		B	1	1	1	1	1	1	1	1	1			1	1	1	B	-	5	5	-	5	5			-	5	5	-	5	5	B	5	5	5	5	5	5	5	5	5	5	5	5			
85853-X42 SEE NOTE 10 LEAD FREE OPTION												85853-X47 SEE NOTE 10 LEAD FREE OPTION												85853-X51 SEE NOTE 10 LEAD FREE OPTION																							
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2																
		1	2	3	4	5	6	7	8	9	10			11	12	1	2	3	4	5	6	7	8			9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12						
		E	2	2	2	2	2	2	5	5	5			5	5	5	E	2	2	2	2	2	3			2	2	2	2	2	E	1	1	1	1	1	1	19	19	19	19	1	1				
		D	2	2	2	2	2	2	5	5	5			5	5	5	D	2	2	2	2	2	3			2	2	2	2	2	D	1	1	1	1	1	1	1	1	1	1	1					
		C	1	1	1	1	1	1	6	6	6			6	5	5	C	2	2	2	2	2	3			2	2	2	2	2	C	1	1	1	1	1	1	19	19	19	19	1	1				
		B	1	1	1	1	1	1	5	5	5			5	5	5	B	2	2	2	2	2	3			2	2	2	2	2	B	1	1	1	1	1	1	1	1	1	1	1	1				
85853-X43 SEE NOTE 10 LEAD FREE OPTION												85853-X48 SEE NOTE 10 LEAD FREE OPTION												85853-X52 SEE NOTE 10 LEAD FREE OPTION																							
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2																
		1	2	3	4	5	6	7	8	9	10			11	12	1	2	3	4	5	6	7	8			9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12						
		E	6	6	6	6	6	6	5	5	5			5	5	5	E	6	6	6	6	6	5			5	5	5	5	5	E	6	6	6	6	6	5	5	5	5	5	5	5				
		D	6	6	6	6	6	6	5	5	5			5	5	5	D	6	6	6	6	6	5			5	5	5	5	5	D	6	6	6	6	6	5	5	5	5	5	5	5				
		C	5	5	5	5	5	5	6	6	6			6	5	5	C	5	5	5	5	5	6			6	6	6	5	5	C	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	B	5	5	5	5	5	5			5	5	5	5	5	B	5	5	5	5	5	5	5	5	5	5	5	5				
85853-X44 SEE NOTE 10 LEAD FREE OPTION												85853-X44 SEE NOTE 10 LEAD FREE OPTION												85853-X44 SEE NOTE 10 LEAD FREE OPTION																							
mat'l code												tolerances unless otherwise specified												CUSTOMER												FCJ www.fcjconnect.com											
- -												0.X ±0.3												COPY												title											
1lr ecn no. dr date												0.XX ±0.13												projection												METRAL SIGNAL HEADER											
CX												.XXX ±.051												MM												2 MOD, 5 ROW PRESS-FIT											
angles												0° ±2°												scale												product family											
dr												T.BRUNGARD 11/19/99												1:1												METRAL											
enrg												M.STRAWSE 11/19/99												A												code											
chr												M.STRAWSE 11/19/99												size												dwg no											
appd												M.STRAWSE 02/29/00												85853												213											
sheet												revision												cage code												sheet											
index												sheet												22526												6											



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X53 SEE NOTE 10 LEAD FREE OPTION	E	-	1	1	-	-	-	-	-	-	1
	D	-	1	1	-	-	-	-	-	-	1
	C	-	-	-	-	-	-	-	-	-	-
	B	-	1	1	-	-	1	-	1	1	1
	A	-	1	1	-	-	1	-	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X54 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	-	1	-	1	-	1
	D	1	1	1	1	-	1	-	1	-	1
	C	1	1	1	1	-	1	-	1	-	1
	B	1	1	1	1	-	1	-	1	-	1
	A	1	1	1	1	-	1	-	1	-	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X55 SEE NOTE 10 LEAD FREE OPTION	E	2	19	19	19	19	19	19	19	19	19
	D	2	19	19	19	19	19	19	19	19	19
	C	2	19	19	19	19	19	19	19	19	19
	B	2	19	19	19	19	19	19	19	19	19
	A	2	19	19	19	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X56 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	19	-	19	-	19	-	19
	D	19	19	19	19	-	19	-	19	-	19
	C	19	19	19	19	-	19	-	19	-	19
	B	19	19	19	19	-	19	-	19	-	19
	A	19	19	19	19	-	19	-	19	-	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X57 SEE NOTE 10 LEAD FREE OPTION	E	-	19	-	-	19	-	19	-	19	19
	D	-	19	-	-	19	-	19	-	19	19
	C	-	19	-	-	19	-	19	-	19	19
	B	-	19	-	-	19	-	19	-	19	19
	A	-	19	-	-	19	-	19	-	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X58 SEE NOTE 10 LEAD FREE OPTION	E	-	1	1	-	-	-	-	-	-	1
	D	-	1	1	-	-	-	-	-	-	1
	C	-	-	-	-	-	-	-	-	-	-
	B	-	1	1	-	1	1	-	1	1	1
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X59 SEE NOTE 10 LEAD FREE OPTION	E	3	-	3	3	3	3	3	3	3	3
	D	3	-	3	3	3	3	3	3	3	3
	C	-	-	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X60 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	19	-	19	-	2	-	19
	D	2	2	2	19	-	19	-	2	-	19
	C	2	2	2	19	-	19	-	2	-	19
	B	2	2	2	19	-	19	-	2	-	19
	A	2	2	2	19	-	19	-	2	-	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X61 SEE NOTE 10 LEAD FREE OPTION	E	19	2	2	2	2	2	2	2	2	2
	D	19	2	2	2	2	2	2	2	2	2
	C	19	2	2	2	2	2	2	2	2	2
	B	19	2	2	2	2	2	2	2	2	2
	A	19	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X62 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	20	-	20	-	6	-	20
	D	6	6	6	20	-	20	-	6	-	20
	C	6	6	6	20	-	20	-	6	-	20
	B	6	6	6	20	-	20	-	6	-	20
	A	6	6	6	20	-	20	-	6	-	20

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X63 SEE NOTE 10 LEAD FREE OPTION	E	20	6	6	6	6	6	6	6	6	6
	D	20	6	6	6	6	6	6	6	6	6
	C	20	6	6	6	6	6	6	6	6	6
	B	20	6	6	6	6	6	6	6	6	6
	A	20	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X64 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	-	-	-	2	2	-	-	-	2
	A	2	-	2	-	-	2	2	-	-	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X65 SEE NOTE 10 LEAD FREE OPTION	E	5	5	6	5	5	5	5	5	6	5
	D	5	5	6	5	5	5	5	5	6	5
	C	5	5	6	5	5	5	5	5	6	5
	B	5	5	6	5	5	5	5	5	6	5
	A	5	5	6	5	5	5	5	5	6	5

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 2 MOD, 5 ROW PRESS-FIT
CX					0.XX ±0.13				
					.XXX ±.051				
				angles	0° ±2°	MM scale 1:1	product family METRAL	code 213	sheet 7
				dr	T.BRUNGARD 11/19/99				
				enrg	M.STRAWSE 11/19/99				
				chr	M.STRAWSE 11/19/99	A	size 85853	A	7
				appd	M.STRAWSE 02/29/00				
sheet index	revision sheet								



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X66 SEE NOTE 10 LEAD FREE OPTION	E	5	5	6	5	5	5	5	5	6	5
	D	5	5	6	5	5	5	5	5	6	5
	C	5	5	6	5	5	5	5	5	6	5
	B	5	5	6	5	5	5	5	5	6	5
	A	5	5	6	5	5	5	5	5	6	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X67 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	5	6
	D	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	20	20
	B	6	6	6	6	6	6	6	6	20	6
	A	6	6	6	6	6	6	6	6	20	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X68 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	3	2
	C	2	2	2	2	2	2	2	2	3	2
	B	2	2	2	2	2	2	2	2	3	2
	A	2	2	2	2	2	2	2	2	3	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X69 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	4	2	2	2	2	2
	D	2	2	2	2	4	2	2	2	2	2
	C	2	2	2	2	4	4	4	4	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X70 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	4	2	2	2	2	2
	D	2	2	2	2	4	2	2	2	2	2
	C	2	2	2	2	4	2	2	2	2	2
	B	2	2	2	2	4	2	2	2	2	2
	A	2	2	2	2	4	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X71 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	3	2	2	2	2
	D	2	2	2	2	2	3	2	2	2	2
	C	2	2	2	2	2	3	2	2	2	2
	B	-	-	-	-	2	2	3	2	2	2
	A	2	2	2	2	2	3	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X72 SEE NOTE 10 LEAD FREE OPTION	E	1	4	4	4	19	4	2	19	19	2
	D	1	4	4	4	19	4	2	19	19	2
	C	19	4	4	4	19	4	2	19	19	2
	B	3	4	4	4	19	4	2	19	19	2
	A	3	4	4	4	19	4	2	19	19	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X73 SEE NOTE 10 LEAD FREE OPTION	E	5	5	6	5	5	5	5	6	5	5
	D	5	5	6	5	5	5	5	6	5	5
	C	1	1	6	1	5	5	5	6	5	5
	B	5	5	6	5	5	5	5	6	5	5
	A	5	5	6	5	5	5	5	6	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X74 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	3	3	2
	D	2	2	2	2	2	2	2	3	3	2
	C	2	2	2	2	2	2	2	3	3	2
	B	2	2	2	2	2	2	2	3	3	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X75 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X76 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	3	1	1	1	1
	D	1	1	1	1	1	3	1	1	1	1
	C	1	1	1	1	1	3	1	1	1	1
	B	1	1	1	1	1	3	1	1	1	1
	A	1	1	1	1	1	3	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X77 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	1	2	2	2	2	1	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X78 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	1	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3			projection		title METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT	
CX					0.XX ±0.13						
					.XXX ±.051						
				angles	0° ±2°			 scale 1:1	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					
sheet index	revision	sheet									



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X79 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	7	5	5	5	5
	D	5	5	5	5	5	7	5	5	5	5
	C	5	5	5	5	5	7	5	5	5	5
	B	5	5	5	5	5	7	5	5	5	5
	A	5	5	5	5	5	7	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X80 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	6	5	5	5	5
	D	5	5	5	5	5	6	5	5	5	5
	C	5	6	5	6	6	6	5	5	6	6
	B	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X81 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6
	C	6	5	6	6	5	6	5	5	6	5
	B	5	5	5	5	6	5	5	5	5	6
	A	5	5	5	5	6	5	5	5	5	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X82 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1
	C	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	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X83 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	2	-	2	-
	D	2	-	2	-	2	-	2	-	2	-
	C	2	-	2	-	2	-	2	-	2	-
	B	-	2	-	-	2	-	-	2	-	4
	A	2	-	2	-	2	-	2	-	2	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X84 SEE NOTE 10 LEAD FREE OPTION	E	-	-	4	4	4	4	4	4	4	-
	D	-	-	4	4	4	4	2	2	4	-
	C	-	-	4	2	2	4	4	4	4	-
	B	-	-	4	4	4	4	2	2	4	-
	A	-	-	4	4	4	4	4	4	4	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X85 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	2	2	2	2
	D	-	-	-	-	-	-	2	2	2	2
	C	2	2	2	-	2	2	-	2	2	2
	B	2	2	2	-	2	2	-	2	2	2
	A	2	2	2	-	2	2	-	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X86 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X87 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1
	C	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	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X88 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	3	3	3	3
	A	19	19	19	19	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X89 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	19	19	19	3	19	19	19
	D	3	3	3	3	3	3	3	3	3	3
	C	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	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X90 SEE NOTE 10 LEAD FREE OPTION	E	3	-	3	3	3	3	3	3	3	3
	D	3	-	3	3	3	3	3	3	3	3
	C	-	-	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X91 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3
	C	1	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com		
lfr	ecr no.	dr	date	linear	0.X ±0.3	COPY		projection		title		
CX					0.XX ±0.13					METRAL SIGNAL HEADER		
				angles	.XXX ±.051					2 MOD, 5 ROW PRESS-FIT		
					0° ±2°					product family		
				dr	T.BRUNGARD	11/19/99					METRAL	
				enrg	M.STRAWSE	11/19/99					code	
				chr	M.STRAWSE	11/19/99					213	
				appd	M.STRAWSE	02/29/00					sheet	
sheet index		revision sheet								9		



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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X92 SEE NOTE 10 LEAD FREE OPTION	E	-	5	5	-	5	5	-	5	5	-
	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					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X93 SEE NOTE 10 LEAD FREE OPTION	E	8	6	6	6	6	6	6	6	6	6
	D	8	6	6	6	6	6	6	6	6	6
	C	8	6	6	6	6	6	6	6	6	6
	B	8	6	6	6	6	6	6	6	6	6
	A	8	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X94 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	4
	D	2	2	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X95 SEE NOTE 10 LEAD FREE OPTION	E	-	1	1	-	1	1	-	1	1	-
	D	-	1	1	-	1	1	-	1	1	-
	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					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X96 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	2	-	2	-
	D	2	-	2	-	2	-	2	-	2	-
	C	2	-	2	-	2	-	2	-	2	-
	B	2	-	2	-	2	-	2	-	2	-
	A	2	-	2	-	2	-	2	-	2	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X97 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	1	2	2	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X98 SEE NOTE 10 LEAD FREE OPTION	E	19	1	2	2	1	2	2	2	2	19
	D	1	2	2	2	2	2	2	2	2	19
	C	2	2	2	2	2	2	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	19
	A	2	1	2	2	2	2	2	2	2	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X99 SEE NOTE 10 LEAD FREE OPTION	E	2	1	2	2	1	2	2	2	2	19
	D	2	2	2	2	2	2	2	2	2	19
	C	2	2	2	2	2	2	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	19
	A	2	1	2	2	2	2	2	2	2	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X100 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	1	1	1	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X101 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	8	20	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6
	C	20	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X102 SEE NOTE 10 LEAD FREE OPTION	E	4	4	3	4	3	4	4	4	3	4
	D	4	4	3	4	3	4	4	4	3	4
	C	4	4	4	4	4	4	4	4	4	4
	B	4	4	2	4	2	4	4	4	2	4
	A	4	4	2	4	2	4	4	4	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X103 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	4	3	4	3	4	3	3
	D	3	3	3	4	3	4	3	4	3	3
	C	3	3	3	4	2	4	3	4	3	3
	B	3	3	3	4	2	4	2	4	3	3
	A	3	3	3	4	2	4	2	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X104 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	2	3	3	3	3
	D	3	3	3	3	3	2	3	3	3	3
	C	3	3	3	3	3	2	3	3	3	3
	B	3	3	3	3	3	2	3	3	3	3
	A	3	3	3	3	3	2	3	3	3	3

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
lfr	ecr no.	dr	date	linear	0.X ±0.3	COPY		title	
CX					0.XX ±0.13	projection		METRAL SIGNAL HEADER	
					.XXX ±.051			2 MOD, 5 ROW PRESS-FIT	
				angles	0° ±2°			product family	
				dr	T.BRUNGARD 11/19/99	scale		METRAL	
				enrg	M.STRAWSE 11/19/99	A		code	
				chr	M.STRAWSE 11/19/99	1:1		size	
				appd	M.STRAWSE 02/29/00			85853	
sheet		revision						sheet	
index		sheet						10	



A

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X105 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	3	3	3	3	3	3
	D	2	2	2	3	3	3	3	3	3	3
	C	2	2	2	3	3	3	3	3	3	3
	B	2	2	2	3	3	3	3	3	3	3
	A	2	2	2	3	3	3	3	3	3	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X106 SEE NOTE 10 LEAD FREE OPTION	E	3	7	7	7	7	7	8	7	8	7
	D	3	7	7	7	7	7	8	7	8	7
	C	3	7	7	7	7	7	8	7	8	7
	B	3	7	7	7	7	7	8	7	8	7
	A	3	7	7	7	7	7	8	7	8	7
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X107 SEE NOTE 10 LEAD FREE OPTION	E	3	8	7	7	7	7	7	7	7	7
	D	3	8	7	7	7	7	7	7	7	7
	C	3	8	7	7	7	7	7	7	7	7
	B	3	8	7	7	7	7	7	7	7	7
	A	3	8	7	7	7	7	7	7	7	7
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X108 SEE NOTE 10 LEAD FREE OPTION	E	7	8	7	8	7	8	7	8	7	8
	D	7	8	7	8	7	8	7	8	7	8
	C	8	8	8	8	8	8	8	8	8	5
	B	6	8	6	8	6	8	6	8	6	8
	A	6	8	6	8	6	8	6	8	6	8
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X109 SEE NOTE 10 LEAD FREE OPTION	E	19	1	2	2	1	2	2	2	2	19
	D	1	2	2	2	2	2	2	2	2	19
	C	2	2	2	2	2	2	2	2	2	19
	B	19	2	2	2	2	2	2	2	2	19
	A	1	1	2	2	2	2	2	2	2	19

B

1 | 2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X110 SEE NOTE 10 LEAD FREE OPTION	E	-	2	-	2	-	2	-	2	-	2
	D	2	-	2	-	2	-	2	-	2	-
	C	-	2	-	2	-	2	-	2	-	2
	B	2	-	2	-	2	-	2	-	2	-
	A	-	2	-	2	-	2	-	2	-	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X111 SEE NOTE 10 LEAD FREE OPTION	E	5	5	6	5	5	5	5	5	5	5
	D	5	5	6	5	5	5	6	6	6	6
	C	6	6	6	5	5	5	6	6	6	6
	B	5	5	5	5	5	5	6	6	6	6
	A	6	6	6	6	6	6	5	5	5	5
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X112 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	2	1	1	1	1
	D	1	1	1	1	1	2	1	1	1	1
	C	1	1	2	1	1	1	1	1	1	1
	B	1	1	1	1	1	2	1	1	1	1
	A	1	1	1	1	1	2	2	1	1	1
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X113 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	4	2	2	4	2	2	4	3	3	4
	C	2	2	4	2	2	4	3	3	4	3
	B	2	4	2	2	4	3	3	4	3	3
	A	2	2	2	2	2	2	2	2	2	3

3 |

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X114 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	4	3	3
	D	3	3	3	3	3	3	3	4	3	3
	C	3	3	3	3	3	3	3	4	3	3
	B	3	3	3	3	3	3	3	4	3	3
	A	3	3	3	3	3	3	3	4	3	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X115 SEE NOTE 10 LEAD FREE OPTION	E	2	2	1	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X116 SEE NOTE 10 LEAD FREE OPTION	E	6	6	7	7	6	6	6	7	7	6
	D	6	6	7	7	6	6	6	7	7	6
	C	6	6	7	7	6	6	6	7	7	6
	B	6	6	7	7	6	6	6	7	7	6
	A	6	6	7	7	6	6	6	7	7	6
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X117 SEE NOTE 10 LEAD FREE OPTION	E	64	-	64	-	64	-	64	-	64	-
	D	-	64	-	64	-	64	-	64	-	64
	C	64	-	64	-	64	-	64	-	64	-
	B	-	64	-	64	-	64	-	64	-	64
	A	64	-	64	-	64	-	64	-	64	-

A

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		www.fciconnect.com	
CX				linear	0.XX ±0.13	projection		title	
				angles	.XXX ±.051			METRAL SIGNAL HEADER	
				dr	T.BRUNGARD 11/19/99			2 MOD, 5 ROW PRESS-FIT	
				enrg	M.STRAWSE 11/19/99	product family		METRAL	
				chr	M.STRAWSE 11/19/99	size		dwg no	
				appd	M.STRAWSE 02/29/00			85853	
sheet index		revision sheet				scale		A	
						cage code		22526	

B

1 | 2

Pro/E

3 |

4



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X118 SEE NOTE 10 LEAD FREE OPTION	E	6	-	6	-	6	-	6	-	6	-
	D	-	6	-	6	-	6	-	6	-	6
	C	6	-	6	-	6	-	6	-	6	-
	B	-	6	-	6	-	6	-	6	-	6
	A	6	-	6	-	6	-	6	-	6	-
85853-X119 SEE NOTE 10 LEAD FREE OPTION	E	4	2	2	2	2	2	2	2	2	2
	D	2	2	4	4	2	2	2	2	2	2
	C	19	2	19	2	2	19	2	2	2	2
	B	2	2	2	4	2	4	2	2	2	2
	A	4	2	2	2	2	4	2	2	2	2
85853-X120 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	19	2
	D	2	2	2	2	2	2	2	2	2	19
	C	2	2	2	2	2	2	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	19
	A	2	2	4	4	2	4	2	4	2	19
85853-X121 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	8
	D	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6
85853-X122 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	4
	D	2	2	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	4	4	2
	B	2	2	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	1	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X123 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	4
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X124 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X125 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3
	C	19	19	19	19	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X126 SEE NOTE 10 LEAD FREE OPTION	E	2	6	6	6	6	6	2	2	2	2
	D	2	6	6	6	6	6	2	2	2	2
	C	2	6	6	6	6	6	2	2	2	2
	B	2	6	6	6	2	1	6	2	2	2
	A	2	6	6	6	6	6	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X127 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	19	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X128 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	19
	D	2	2	2	2	2	2	2	2	2	19
	C	2	2	2	2	2	2	19	19	2	2
	B	2	2	2	2	2	2	2	2	2	19
	A	2	2	2	2	2	2	2	2	1	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X129 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	3
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X130 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	7
	D	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCJ		
lfr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	www.fcjconnect.com		
CX					0.XX ±0.13				title METRAL SIGNAL HEADER	
					.XXX ±.051				2 MOD, 5 ROW PRESS-FIT	
				angles	0° ±2°		scale	product family METRAL		
				dr	T.BRUNGARD			11/19/99	code 213	
				enrg	M.STRAWSE			11/19/99	sheet 12	
				chr	M.STRAWSE			11/19/99		
				appd	M.STRAWSE	02/29/00				
sheet index		revision sheet								

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X131 SEE NOTE 10 LEAD FREE OPTION	E	9	-	9	-	9	-	9	-	9	-
	D	9	-	9	-	9	-	9	-	9	-
	C	-	-	-	-	-	-	-	-	-	-
	B	9	-	9	-	9	-	9	-	9	-
	A	9	-	9	-	9	-	9	-	9	-
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X132 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	5	5	5	5	5	5	6	6	6	6
	A	5	5	5	5	5	5	6	6	6	6
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X133 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X134 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	1	1	2	2	3
	D	2	2	2	2	2	1	1	2	2	3
	C	2	2	2	2	2	1	1	2	2	3
	B	2	2	2	2	2	1	1	2	2	3
	A	2	2	2	2	2	1	1	2	2	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X135 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	1	1	1	1	1
	D	2	2	2	2	2	1	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	1	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X136 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X137 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	-	-	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X138 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	2	2	2	3	2	2
	D	2	2	2	3	2	2	2	3	2	2
	C	2	2	2	2	3	2	2	2	3	2
	B	2	2	2	2	2	3	2	2	3	2
	A	2	2	2	2	2	1	2	2	3	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X139 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X140 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	4	2	2	2	2	2	4	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X141 SEE NOTE 10 LEAD FREE OPTION	E	64	64	64	64	64	64	64	64	64	64
	D	64	64	64	64	64	64	64	64	64	64
	C	67	64	64	64	64	64	67	64	64	64
	B	64	64	64	64	64	64	64	64	64	64
	A	64	64	64	64	64	64	64	64	64	64
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X142 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	1	1
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X143 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	1
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection		title	
CX					0.XX ±0.13					METRAL SIGNAL HEADER	
				angles	.XXX ±.051					2 MOD, 5 ROW PRESS-FIT	
				dr	T.BRUNGARD 11/19/99					product family	
				enrg	M.STRAWSE 11/19/99			MM		METRAL	
				chr	M.STRAWSE 11/19/99			scale		code	
				appd	M.STRAWSE 02/29/00			1:1		213	
sheet index		revision sheet								sheet	
										13	
										cage code	
										22526	

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X144 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	1	2	2	2	2	2	2
	D	2	2	2	2	2	1	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	1	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X145 SEE NOTE 10 LEAD FREE OPTION	E	7	6	6	6	6	6	6	6	6	6	6	6
	D	7	6	6	6	6	6	6	6	6	6	6	6
	C	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
	A	7	6	6	6	6	6	6	6	6	6	6	6
METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X146 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	7	6	6	6	6	5	5	5	5	5	5	5
	B	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
METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X147 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	5	6	6	6
	D	6	6	6	6	6	6	6	6	5	6	5	6
	C	6	6	6	6	6	6	6	6	5	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	5

mat'l code				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection		title METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT	
CX			0.XX ±0.13						
			.XXX ±.051						
			0° ±2°						
				angles					
				dr	T.BRUNGARD	11/19/99		product family	
				enr	M.STRAWSER	11/19/99		METRAL	
				chr	M.STRAWSER	11/19/99		size	dwg no
				appd	M.STRAWSER	02/29/00		A	85853
sheet		revision						code	
index		sheet						213	
								sheet	
								14	

cage code 22526

Pro/E

PDM: Rev: CX

STATUS: Released

Printed: Jan 17, 2011



PRODUCT NUMBER
85853-XXX OR 85853-YYYY
85853-XYLFF OR 85853-YYYYLFF

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:
85853-XXX IS SnPb
85853-XYLFF IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE BELOW.
- 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
- PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-22-008.

ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING
(DRAWING NO.)-NI--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-NI---
AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.
- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 85853-X0ILF

PLATING IN CONTACT AREA		NOTES
DASH NUMBER	PERFORMANCE LEVEL	-
-PYY OR -PYYY	0.25 um GOLD MIN.	-
-NIYY OR -NIYYY	TELCORDIA CO (NXT)	-
-N5YY OR N5YYY	TELCORDIA UE (NXT)	-
-1YY OR -1YYY	TELCORDIA CO	-
-2YY OR -2YYY	TELECOM CLASS	-
-3YY OR -3YYY	IEC CLASS I	-
-5YY OR -5YYY	TELCORDIA UE	-
-NIYYLF OR -NIYYYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-N5YYLF OR N5YYYLF	TELCORDIA UE (NXT)	SEE NOTE 9
-1YYLF OR -1YYYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF OR -2YYYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF OR -5YYYLF	TELCORDIA UE	SEE NOTE 9

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 2 MOD, 5 ROW PRESS-FIT		
CX					0.XX ±0.13		projection				
					.XXX ±.051		MM				
				angles	0° ±2°		MM		product family METRAL code 213 size dwg no 85853 sheet 15		
				dr	T.BRUNGARD	11/19/99	scale				
				enrg	M.STRAWSE	11/19/99	1:1				
				chr	M.STRAWSE	11/19/99			A		
				appd	M.STRAWSE	02/29/00					
sheet	revision								cage code 22526		
index	sheet										



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.