



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

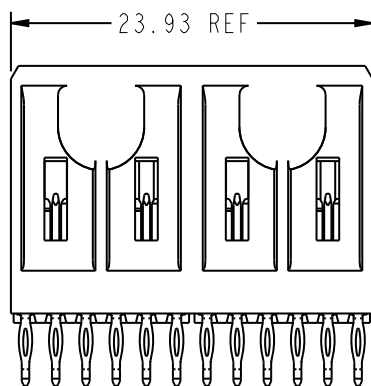
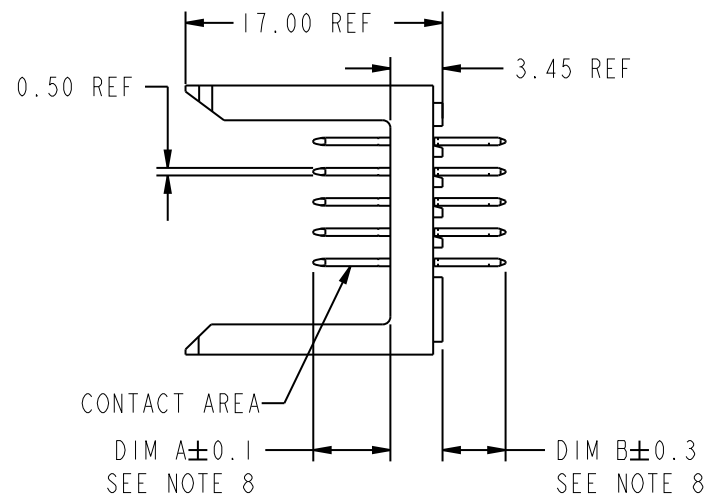
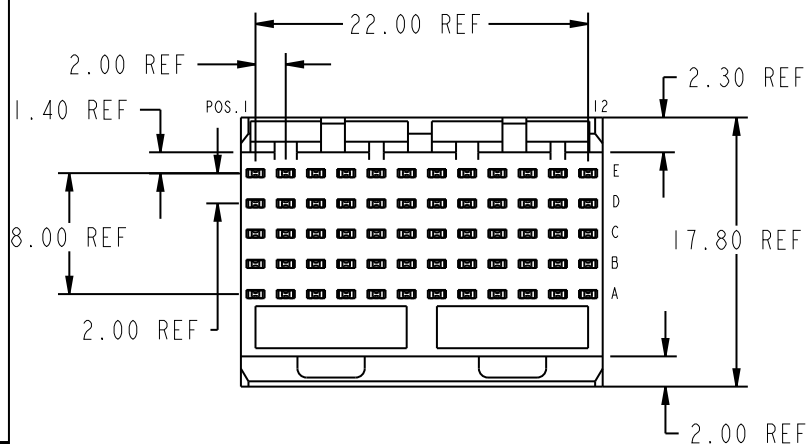
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

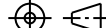
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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



mat'l code				--				tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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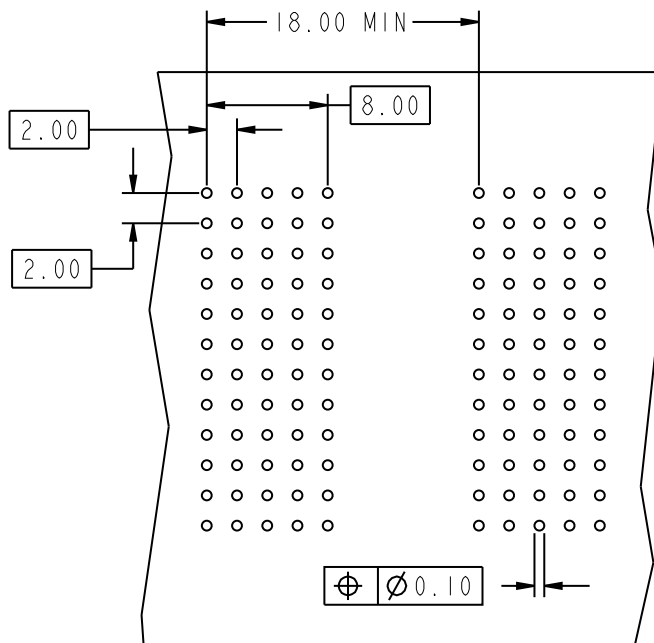
cage code 22526

Pro/E

PDM: Rev: CX

STATUS: Released

Printed: Jan 17, 2011



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		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 1:1	scale	product family	METRAL
				dr	T.BRUNGARD 11/19/99				
				enr	M.STRAWSE 11/19/99				
				chr	M.STRAWSE 11/19/99	size	dwg no	A	85853
				appd	M.STRAWSE 02/29/00				
sheet index	revision 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		FCJ	
lfr	ecr no.	dr	date	linear	0.X ±0.3	COPY		www.fcjconnect.com	
CX				angles	0.XX ±0.13	projection		title	
					.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	revision					A		213	
index	sheet							3	



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	1
	B	1	4	1	1	1	1	1	4	3	1
	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	1
	B	1	4	1	1	1	1	1	4	3	1
	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	2	4	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		FCJ	
lfr	ecr no.	dr	date	linear	0.X ±0.3	COPY		www.fcjconnect.com	
CX				angles	0.XX ±0.13	projection		title	
					.XXX ±.051			METRAL SIGNAL HEADER	
				dr	0° ±2°			2 MOD, 5 ROW PRESS-FIT	
				enrg	T.BRUNGARD 11/19/99	product family		METRAL	
				chr	M.STRAWSER 11/19/99	size		dwg no	
				appd	M.STRAWSER 02/29/00	A		85853	
sheet	revision					scale		213	
index	sheet					1:1		sheet	
								4	



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	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	MM		METRAL		code
				enrg	M.STRAWSE	11/19/99			size		213
				chr	M.STRAWSE	11/19/99	scale		dwg no		sheet
				appd	M.STRAWSE	02/29/00	1:1		A		5
sheet		revision									
index		sheet									



CONTACT CODE MOD. 1												MOD. 2																													
METRAL P/N	ROW	1	2	3	4	5	6	7	8	9	10	11	12	METRAL P/N	ROW	1	2	3	4	5	6	7	8	9	10	11	12	METRAL P/N	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X40 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4	4	4	4	4	4	4	85853-X45 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6	85853-X49 SEE NOTE 10 LEAD FREE OPTION	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	6	6	6	6	6	6	6	6	6	6	6	6		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	6	6	6	6	5	5	6	6	6	5	5	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	5	5	5	5	5	5	5	5	5	5	5	5		B	1	1	1	1	1	1	1	1	1	1	1	1
	A	4	4	4	4	4	4	4	4	4	4	4	4		A	5	5	5	5	5	5	5	5	5	5	5	5		A	1	1	1	1	1	1	1	1	1	1	1	1
85853-X41 SEE NOTE 10 LEAD FREE OPTION	E	3	-	3	3	-	3	3	-	3	3	-	3	85853-X46 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	1	2	2	2	2	2	2	2	85853-X50 SEE NOTE 10 LEAD FREE OPTION	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	2	2	2	2	1	2	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	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
	B	3	3	3	3	3	3	3	3	3	3	3	3		B	2	2	2	2	2	2	2	2	2	2	2	2		B	5	5	5	5	5	5	1	1	1	1	1	1
	A	3	3	3	3	3	3	3	3	3	3	3	3		A	2	2	2	2	2	2	2	2	2	2	2	2		A	5	5	5	5	5	5	1	1	1	1	1	1
85853-X42 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	1	1	1	1	1	1	85853-X47 SEE NOTE 10 LEAD FREE OPTION	E	-	5	5	-	5	5	-	5	5	-	5	5	85853-X51 SEE NOTE 10 LEAD FREE OPTION	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
	A	1	1	1	1	1	1	1	1	1	1	1	1		A	5	5	5	5	5	5	5	5	5	5	5	5		A	5	5	5	5	5	5	5	5	5	5	5	5
85853-X43 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	5	5	5	5	5	5	85853-X48 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	3	2	2	2	2	2	85853-X52 SEE NOTE 10 LEAD FREE OPTION	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	2		D	1	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	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	2		B	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	5	5	5	5	5	5		A	2	2	2	2	2	3	2	2	2	1	3	3		A	1	1	1	1	1	1	19	19	19	19	1	1
85853-X44 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	5	5	5	5	5	5	85853-X49 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	5	5	5	5	5	5	85853-X50 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	5	6	6	6	6	6	6
	D	6	6	6	6	6	6	5	5	5	5	5	5		D	6	6	6	6	6	6	5	5	5	5	5	5		D	5	5	5	5	5	5	6	6	6	6	6	6
	C	5	5	5	5	5	5	6	6	6	6	5	5		C	5	5	5	5	5	5	6	6	6	6	5	5		C	5	5	6	6	6	6	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	5		B	5	5	5	5	5	5	5	5	5	5	5	5
	A	5	5	5	5	5	5	5	5	5	5	5	5		A	5	5	5	5	5	5	5	5	5	5	5	5		A	5	5	5	5	5	5	5	5	5	5	5	5

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI	
lfr	ecr no.	dr	date	linear	0.X ±0.3	0.XX ±0.13	0.XXX ±0.051	projection	COPY	title	www.fciconnect.com
				angles <td>0° ±2° <td></td> <td></td> <td></td> <td></td> <td>METRAL SIGNAL HEADER</td> <td></td> </td>	0° ±2° <td></td> <td></td> <td></td> <td></td> <td>METRAL SIGNAL HEADER</td> <td></td>					METRAL SIGNAL HEADER	
				dr	T.BRUNGARD	11/19/99				2 MOD, 5 ROW PRESS-FIT	
				enrg	M.STRAWSE	11/19/99		scale		product family	
				chr	M.STRAWSE	11/19/99		1:1		METRAL	
				appd	M.STRAWSE	02/29/00				code	
sheet	revision									size	
index	sheet									dwg no	
										85853	
										213	
										6	

cage code				Pro/E				3				4			
22526															



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	19
	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					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		FCJ www.fcjconnect.com	
lfr	ecr 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	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		METRAL		code
				enrg	M.STRAWSE		11/19/99		size		213
				chr	M.STRAWSE		11/19/99		dwg no		8
				appd	M.STRAWSE		02/29/00		A		85853
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-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	-
	D	1	1	1	1	1	1	1	1	1	-
	C	1	1	1	1	1	1	1	1	1	-
	B	1	1	1	1	1	1	1	1	1	-
	A	1	1	1	1	1	1	1	1	1	-

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
	D	1	1	1	1	1	1	1	1	-	1
	C	1	1	1	1	1	1	1	1	-	1
	B	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
	C	1	1	1	1	1	1	-	-	-	1
	B	3	3	3	3	3	3	-	3	3	-
	A	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
	D	3	3	3	3	3	3	-	3	3	-
	C	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	1
	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			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		
				dr	T.BRUNGARD	11/19/99	size					dwg no	213
				enrg	M.STRAWSE	11/19/99							
				chr	M.STRAWSE	11/19/99							
				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		projection		title	
CX					0.XX ±0.13					METRAL SIGNAL HEADER	
					.XXX ±.051					2 MOD, 5 ROW PRESS-FIT	
				angles	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		revision								10	
index		sheet									



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
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
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
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
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	1	2	1	1	1
	A	1	1	1	1	1	1	2	2	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

A

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	-

B

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	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							A	85853	213
index	sheet									
								cage code		
								22526		

Pro/E

3 |

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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-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	19	2
	C	2	2	2	2	2	2	2	2	19	2
	B	2	2	2	2	2	2	2	2	19	2
	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
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
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
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
85853-X128 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	3	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
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
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		www.fcjconnect.com			
lfr	ecr no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER				
CX					0.XX ±0.13				2 MOD, 5 ROW PRESS-FIT				
					.XXX ±0.051								
				angles	0° ±2°	MM	scale	product family	METRAL		code		
				dr	T.BRUNGARD				11/19/99	size		dwg no	213
				enrg	M.STRAWSE				11/19/99				
				chr	M.STRAWSE	11/19/99							
				appd	M.STRAWSE	02/29/00					sheet		
											12		
sheet	revision												
index	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	2	1	1	2	3
	D	2	2	2	2	2	2	1	1	2	3
	C	2	2	2	2	2	2	1	1	2	3
	B	2	2	2	2	2	2	1	1	2	3
	A	2	2	2	2	2	2	1	1	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	2	1	1	1	1
	D	2	2	2	2	2	2	1	1	1	1
	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.STRAWSER 11/19/99			MM		METRAL	
				chr	M.STRAWSER 11/19/99			scale		code	
				appd	M.STRAWSER 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		code
				enr	M.STRAWSE	11/19/99		METRAL		213
				chr	M.STRAWSE	11/19/99		size	dwg no	sheet
				appd	M.STRAWSE	02/29/00		A	85853	14
sheet index		revision sheet								



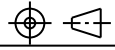
PRODUCT NUMBER
85853-XXX OR 85853-YYYY
85853-XYLFF OR 85853-YYYYLFF

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	-
-NIYYLFF OR -NIYYYLFF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-N5YYLFF OR N5YYYLFF	TELCORDIA UE (NXT)	SEE NOTE 9
-1YYLFF OR -1YYYLFF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLFF OR -2YYYLFF	TELECOM CLASS	SEE NOTE 9
-5YYLFF OR -5YYYLFF	TELCORDIA UE	SEE NOTE 9

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		
CX					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°				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										
index	sheet										