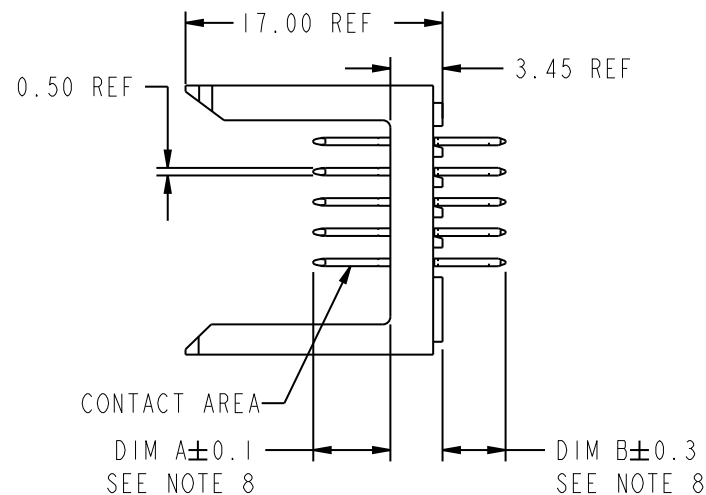
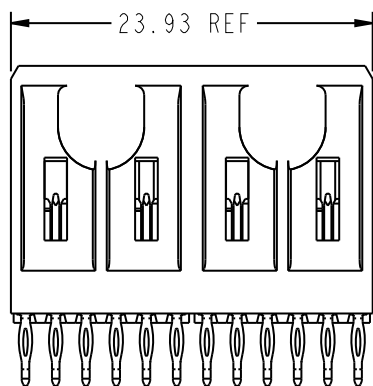
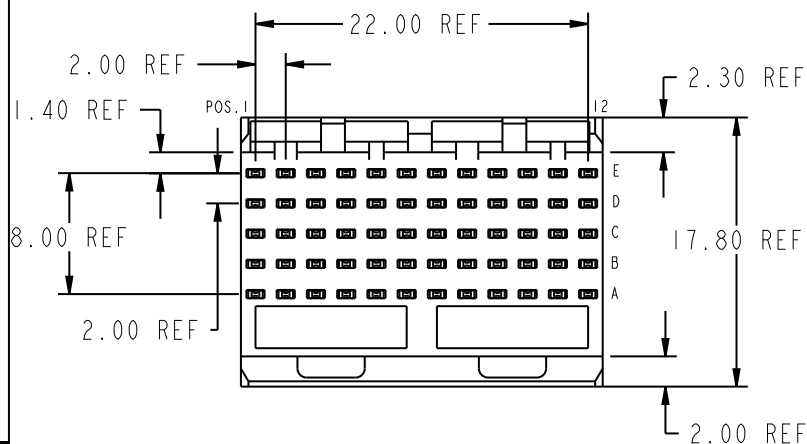
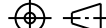
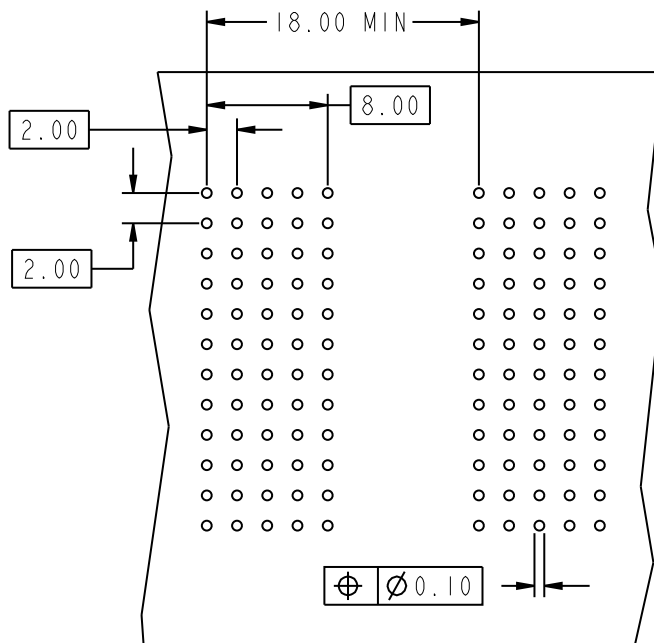




PRODUCT NUMBER
85853-XXX OR 85853-XXXX
85853-XXYLF OR 85853-XXYYLF



mat'l code				--		tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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CS	V04-0408	TAB	04/27/04	dr	T. BRUNGARD 11/19/99								product family				METRAL				code																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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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 scale 1:1	product family	METRAL	code	
				dr	T.BRUNGARD					11/19/99
				enr	M.STRAWSE					11/19/99
				chr	M.STRAWSE	11/19/99	size	dwg no	sheet	
				appd	M.STRAWSE	02/29/00				
sheet index	revision sheet									

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	19

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.STRAWSER 11/19/99	product family		METRAL	
				chr	M.STRAWSER 11/19/99	size		dwg no	
				appd	M.STRAWSER 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	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	
lfr	ecr 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	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									



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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X49 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	2	2	2	2
	D	1	1	1	1	1	1	2	2	2	2
	C	1	1	2	2	2	2	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-X50 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	5	2	2	2	2
	D	5	5	5	5	5	5	2	2	2	2
	C	5	5	6	6	6	6	1	1	1	1
	B	5	5	5	5	5	5	1	1	1	1
	A	5	5	5	5	5	5	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-X51 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	5	6	6	6	6
	D	5	5	5	5	5	5	6	6	6	6
	C	5	5	6	6	6	6	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5
	A	5	5	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-X52 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	19	19	19	19
	D	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	19	19	19	19
	B	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	19	19	19	19

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI www.fciconnect.com	
lfr	ecn 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	
					0° ±2°					product family METRAL	
				dr	T.BRUNGARD	11/19/99	scale		size		code
				enrg	M.STRAWSE	11/19/99	1:1		dwg no		213
				chr	M.STRAWSE	11/19/99			A		sheet
				appd	M.STRAWSE	02/29/00			85853		6
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-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		FCJ www.fcjconnect.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			COPY		title	
CX					0.XX ±0.13			projection		METRAL SIGNAL HEADER	
					.XXX ±.051					2 MOD, 5 ROW PRESS-FIT	
				angles	0° ±2°						
				dr	T.BRUNGARD	11/19/99		MM		product family	
				engr	M.STRAWSER	11/19/99		A		METRAL	
				chr	M.STRAWSER	11/19/99		scale		code	
				appd	M.STRAWSER	02/29/00		1:1		213	
sheet	revision									sheet	
index	sheet									8	



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		revision								9	
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-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	2	4	4
	A	4	4	2	4	2	4	4	2	4	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		METRAL SIGNAL HEADER	
CX					0.XX ±0.13	projection		2 MOD, 5 ROW PRESS-FIT			
				angles	.XXX ±.051			product family		METRAL	
				dr	T.BRUNGARD 11/19/99	MM		size		213	
				enrg	M.STRAWSE 11/19/99	scale		dwg no		sheet	
				chr	M.STRAWSE 11/19/99	1:1		A		10	
				appd	M.STRAWSE 02/29/00						
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	
85853-X105 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	3	3	3	3	3	3	3	3	85853-X110 SEE NOTE 10 LEAD FREE OPTION	E	-	2	-	2	-	2	-	2	-	2	-	2	-
	D	2	2	2	3	3	3	3	3	3	3	3	3		D	2	-	2	-	2	-	2	-	2	-	2	-	
	C	2	2	2	3	3	3	3	3	3	3	3	3		C	-	2	-	2	-	2	-	2	-	2	-	2	
	B	2	2	2	3	3	3	3	3	3	3	3	3		B	2	-	2	-	2	-	2	-	2	-	2	-	
	A	2	2	2	3	3	3	3	3	3	3	3	3		A	-	2	-	2	-	2	-	2	-	2	-	2	
85853-X106 SEE NOTE 10 LEAD FREE OPTION	E	3	7	7	7	7	7	8	7	8	7	7	3	85853-X111 SEE NOTE 10 LEAD FREE OPTION	E	5	5	6	5	5	5	5	5	5	5	5	5	5
	D	3	7	7	7	7	7	8	7	8	7	7	3		D	5	5	6	5	5	5	6	6	6	6	6	6	
	C	3	7	7	7	7	7	8	7	8	7	7	3		C	6	6	6	5	5	5	6	6	6	6	6	6	
	B	3	7	7	7	7	7	8	7	8	7	7	3		B	5	5	5	5	5	5	6	6	6	6	6	6	
	A	3	7	7	7	7	7	8	7	8	7	7	3		A	6	6	6	6	6	6	5	5	5	5	5	5	
85853-X107 SEE NOTE 10 LEAD FREE OPTION	E	3	8	7	7	7	7	7	7	7	7	7	7	85853-X112 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	2	1	1	1	1	1	1	
	D	3	8	7	7	7	7	7	7	7	7	7	7		D	1	1	1	1	1	2	1	1	1	1	1	1	
	C	3	8	7	7	7	7	7	7	7	7	7	7		C	1	1	2	1	1	1	1	1	1	1	1	1	
	B	3	8	7	7	7	7	7	7	7	7	7	7		B	1	1	1	1	1	1	2	1	1	1	1	1	
	A	3	8	7	7	7	7	7	7	7	7	7	7		A	1	1	1	1	1	1	2	2	1	1	1	1	
85853-X108 SEE NOTE 10 LEAD FREE OPTION	E	7	8	7	8	7	8	7	8	7	8	5	7	85853-X113 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	
	D	7	8	7	8	7	8	7	8	7	8	5	7		D	4	2	2	4	2	2	4	3	3	4	3	3	
	C	8	8	8	8	8	8	8	8	8	8	5	7		C	2	2	4	2	2	4	3	3	4	3	3	3	
	B	6	8	6	8	6	8	6	8	6	8	5	7		B	2	4	2	2	4	3	3	4	3	3	3	3	
	A	6	8	6	8	6	8	6	8	6	8	5	7		A	2	2	2	2	2	2	2	2	2	2	2	3	
85853-X109 SEE NOTE 10 LEAD FREE OPTION	E	19	1	2	2	1	2	2	2	2	2	2	19	85853-X114 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3	4	3	3
	D	1	2	2	2	2	2	2	2	2	2	2	19		D	3	3	3	3	3	3	3	3	3	3	4	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	19		C	3	3	3	3	3	3	3	3	3	3	4	3	3
	B	19	2	2	2	2	2	2	2	2	2	2	19		B	3	3	3	3	3	3	3	3	3	3	4	3	3
	A	1	1	2	2	2	2	2	2	2	2	2	19		A	3	3	3	3	3	3	3	3	3	3	4	3	3
85853-X115 SEE NOTE 10 LEAD FREE OPTION	E	2	2	1	2	2	2	2	2	2	2	2	2	85853-X116 SEE NOTE 10 LEAD FREE OPTION	E	6	6	7	7	6	6	6	7	7	6	8	8	
	D	2	2	2	2	2	2	2	2	2	2	2	2		D	6	6	7	7	6	6	6	7	7	6	8	8	
	C	2	2	2	2	2	2	2	2	2	2	2	2		C	6	6	7	7	6	6	6	7	7	6	8	8	
	B	2	2	2	2	2	2	2	2	2	2	2	2		B	6	6	7	7	6	6	6	7	7	6	8	8	
	A	2	2	2	2	2	2	2	2	2	2	2	2		A	6	6	7	7	6	6	6	7	7	6	8	8	
85853-X117 SEE NOTE 10 LEAD FREE OPTION	E	64	-	64	-	64	-	64	-	64	-	64	-	85853-X118 SEE NOTE 10 LEAD FREE OPTION	E	64	-	64	-	64	-	64	-	64	-	64	-	
	D	-	64	-	64	-	64	-	64	-	64	-	64		D	-	64	-	64	-	64	-	64	-	64	-	64	
	C	64	-	64	-	64	-	64	-	64	-	64	-		C	64	-	64	-	64	-	64	-	64	-	64	-	
	B	-	64	-	64	-	64	-	64	-	64	-	64		B	-	64	-	64	-	64	-	64	-	64	-	64	
	A	64	-	64	-	64	-	64	-	64	-	64	-		A	64	-	64	-	64	-	64	-	64	-	64	-	

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



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.STRAWSE 11/19/99			MM		METRAL	
				chr	M.STRAWSE 11/19/99			scale		code	
				appd	M.STRAWSE 02/29/00			1:1		213	
sheet	revision									sheet	
index	sheet									13	

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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		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							
					0° ±2°							
				angles			product family	METRAL	code			
				dr	T.BRUNGARD					11/19/99		
				enr	M.STRAWSE					11/19/99		
				chr	M.STRAWSE					11/19/99		
				appd	M.STRAWSE	02/29/00	scale	1:1	size	dwg no	213	
sheet	index	revision	sheet						A	85853	sheet	14



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		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				
				angles	0° ±2°				
				dr	T.BRUNGARD	11/19/99	MM		product family
				engr	M.STRAWSE	11/19/99			METRAL
				chr	M.STRAWSE	11/19/99	scale		code
				appd	M.STRAWSE	02/29/00	1:1		213
sheet	revision						A		sheet
index	sheet								15

AMEYA360

Components Supply Platform

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