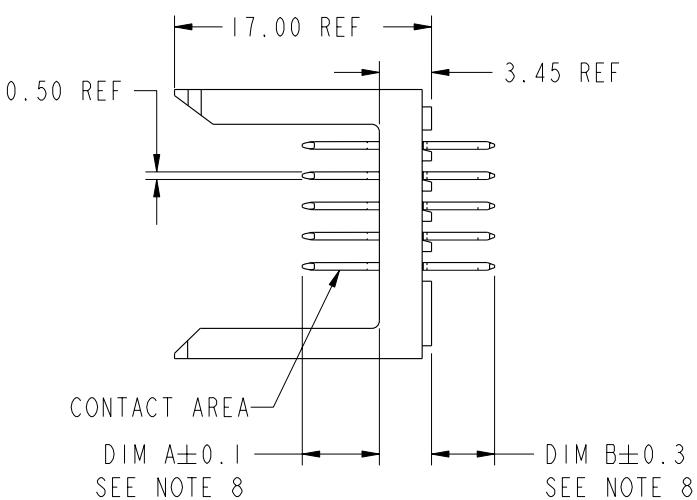
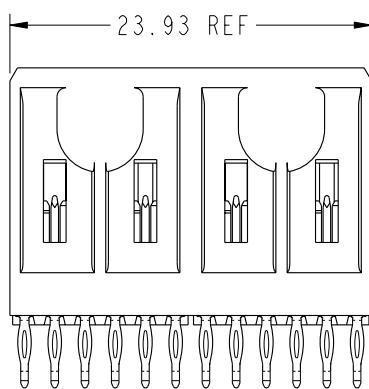
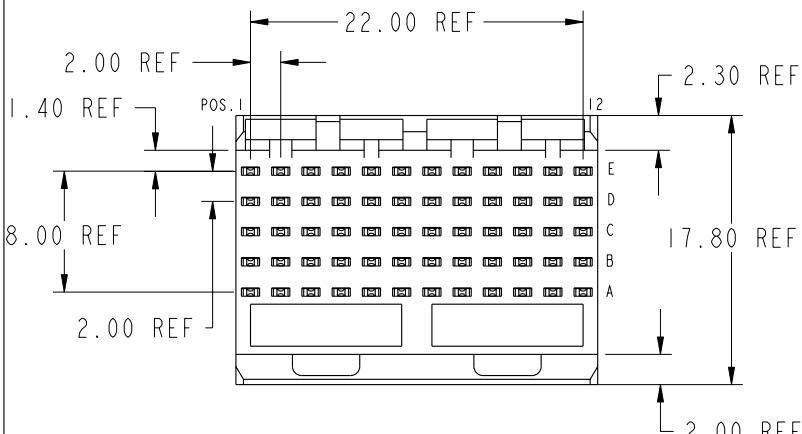


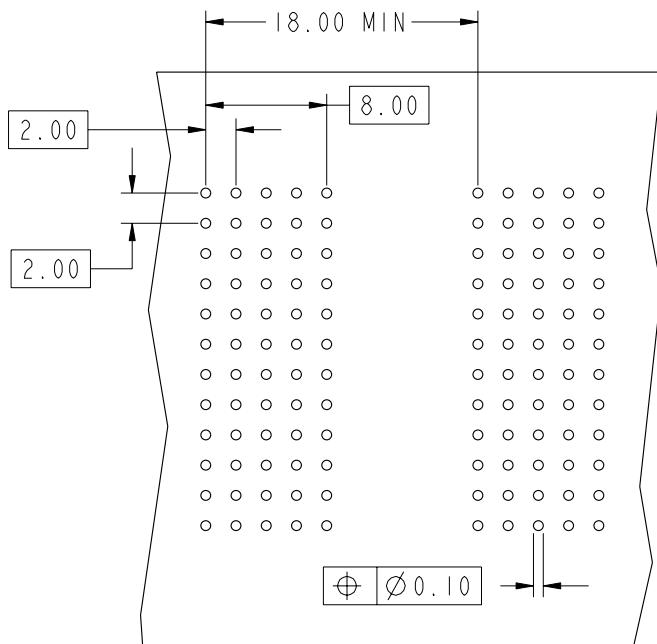
PRODUCT NUMBER
85853-XYY
OR
85853-YYYY
85853-XYYLF
OR
85853-XYYYYLF



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mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com											
ltr	ecn no.	dr	date	0. X ± 0.3		COPY		projection		title		METRAL SIGNAL HEADER									
CW	V06-0569	DCH	2006-06-13	0. XX ± 0.13						title		2 MOD, 5 ROW PRESS-FIT									
-	-	-	-	. XXX ± .051								METRAL SIGNAL HEADER									
CR	V04-0151	HTB	02/13/04	angles		0° ± 2°		MM		product family		METRAL									
CS	V04-0408	TAB	04/27/04	dr	T. BRUNGARD	11/19/99	scale			product family		code									
CT	V04-0353	DAI	05/02/04	engr	M. STRAWSER	11/19/99				size		213									
CU	V04-0559	HTB	06/01/04	chr	M. STRAWSER	11/19/99				dwg no		sheet									
CV	V04-1100	DAI	01/25/05	oppd	M. STRAWSER	02/29/00				A		85853									
sheet		revision		CW	CW	CW	CW	CW	CW	scale		1 of 15									
index		sheet		1	2	3	4	5	6	scale		1 of 15									



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REQUIRED PC BOARD LAYOUT
COMPONENT SIDE
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

CODE	KEY	
	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

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mat'l code				tolerances unless otherwise specified			CUSTOMER COPY	title	product family	code
ltr	ecn no.	dr	date	linear	0. X ± 0.3	projection				
CW					0. XX ± 0. 13					
					.XXX ± .051					
				angles	0° ± 2°					
				dr	T.BRUNGARD	11/19/99	MM	dwg no	METRAL	code
				engr	M.STRAWSER	11/19/99				
				chr	M.STRAWSER	11/19/99				
				appd	M.STRAWSER	02/29/00				
sheet index		revision sheet					scale	A	85853	sheet

B



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REV E - 2006-04-18

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METRAL P/N	ROW	CONTACT CODE				MOD. 2								
		MOD.	1	2	3	4	5	6	7	8	9	10	11	12
	E	4	1	1	1	19	1	1	1	1	19	1	1	1
	D	3	1	1	1	19	1	1	1	1	1	1	1	1
85853-X08	C	3	1	1	1	1	19	1	1	1	19	1	1	1
SEE NOTE 10 LEAD FREE OPTION	B	3	1	1	1	19	1	1	1	19	1	1	1	1
	A	3	1	1	1	19	1	1	1	19	1	1	1	1

METAL P/N	ROW	CONTACT CODE						MOD. 2					
		MOD.	1	2	3	4	5	6	7	8	9	10	11
85853-X09	E	2	2	2	2	2	2	2	2	2	2	2	2
SEE NOTE 10	D	2	2	2	2	2	2	2	2	2	2	2	2
LEAD FREE OPTION	C	4	4	4	4	4	4	4	4	4	4	4	4
	B	1	2	2	2	2	2	2	2	1	2	2	2

3 |

METRAL P/N	ROW	CONTACT CODE								MOD. 2			
		MOD. 1				MOD. 2				MOD. 3			
		1	2	3	4	5	6	7	8	9	10	11	12
	E	6	6	6	6	6	8	6	8	6	6	20	6
	D	6	6	6	6	6	8	6	8	6	6	20	6
85853-X10	C	6	6	6	6	6	8	6	8	6	6	20	6
SEE NOTE 10	B	6	6	6	6	6	8	6	8	6	6	20	6
LEAD FREE OPTION	A	6	6	6	6	6	8	6	8	6	6	20	6

METRAL P/N	ROW	CONTACT CODE						MOD. 2					
		MOD.	1	2	3	4	5	6	7	8	9	10	11
	E	2	2	2	2	2	4	2	4	2	2	19	2
	D	2	2	2	2	2	4	2	4	2	2	19	2
85853-XII	C	2	2	2	2	2	4	2	4	2	2	19	2
SEE NOTE 10 LEAD FREE OPTION	B	2	2	2	2	2	4	2	4	2	2	19	2
	A	2	2	2	2	2	4	2	4	2	2	19	2

4

$$\begin{array}{|c|c|} \hline 6 & 6 \\ \hline \end{array}$$

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1 2

Pro/E

3

cage code 22526

6

PDM: Rev:CW

STATUS: **Released**

Printed: Jan 02, 2008

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1 2

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	5	7	7	7	7	7	7	7	7	7	7	7
85853-X27	D	7	7	7	7	7	7	7	7	7	7	7	7
SEE NOTE 10 LEAD FREE OPTION	C	7	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	2	2	2	-	2	-	2	-
85853-X28	D	2	2	2	2	2	2	-	-	-	-	-	-
SEE NOTE 10 LEAD FREE OPTION	C	2	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	-	2

A

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	-	2	-	2	-	2	-	2	-	2	-
85853-X29	D	-	-	-	-	-	-	-	-	-	-	-	-
SEE NOTE 10 LEAD FREE OPTION	C	2	-	2	-	2	-	2	-	2	-	2	-
	B	-	-	-	-	-	-	-	-	-	-	-	-
	A	2	-	2	-	2	-	2	-	2	-	2	-

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	-	2	-	2	-	3	3	19	19	3	4
85853-X30	D	-	-	-	-	-	-	3	3	19	19	3	4
SEE NOTE 10 LEAD FREE OPTION	C	2	-	2	-	2	-	3	3	19	19	3	4
	B	-	-	-	-	-	-	3	3	19	19	3	4
	A	2	-	2	-	2	-	3	3	19	19	3	4

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	-	2	-	2	-	4	2	2	2	2	2
85853-X31	D	-	-	-	-	-	-	4	2	2	2	2	2
SEE NOTE 10 LEAD FREE OPTION	C	2	-	2	-	2	-	4	2	2	2	2	2
	B	-	-	-	-	-	-	4	2	2	2	2	2
	A	2	-	2	-	2	-	4	2	2	2	2	2

1 2

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	20	7	7	7	7	7	20	7	7	7	6	5
85853-X32	D	20	7	7	7	7	7	20	7	7	7	6	5
SEE NOTE 10 LEAD FREE OPTION	C	20	7	7	7	7	7	20	7	7	7	6	5
	B	20	7	7	7	7	7	20	7	7	7	6	5
	A	20	7	7	7	7	7	20	7	7	7	6	5

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	20	7	7	7	7	7	20	7	7	7	7	7
85853-X33	D	20	7	7	7	7	7	20	7	7	7	7	7
SEE NOTE 10 LEAD FREE OPTION	C	20	7	7	7	7	7	20	7	7	7	7	7
	B	20	7	7	7	7	7	20	7	7	7	7	7
	A	20	7	7	7	7	7	20	7	7	7	7	7

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	-	2	-	2	-	2	-	2	-	2	-
85853-X34	D	-	-	-	-	-	-	-	-	-	-	-	-
SEE NOTE 10 LEAD FREE OPTION	C	2	-	2	-	2	-	2	-	2	-	2	-
	B	-	-	-	-	-	-	-	-	-	-	-	-
	A	2	-	2	-	2	-	2	-	2	-	2	-

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	19	3	3	3	3	3	19	3	3	3	2	1
85853-X35	D	19	3	3	3	3	3	19	3	3	3	2	1
SEE NOTE 10 LEAD FREE OPTION	C	19	3	3	3	3	3	19	3	3	3	2	1
	B	19	3	3	3	3	3	19	3	3	3	2	1
	A	19	3	3	3	3	3	19	3	3	3	2	1

sheet index sheet

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	19	3	3	3	3	3	19	3	3	3	3	3
85853-X36	D	19	3	3	3	3	3	19	3	3	3	3	3
SEE NOTE 10 LEAD FREE OPTION	C	19	3	3	3	3	3	19	3	3	3	3	3
	B	19	3	3	3	3	3	19	3	3	3	3	3
	A	19	3	3	3	3	3	19	3	3	3	3	3

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2							
	ROW	1	2	3	4	5	6	7	8	9	10	11

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B

1 2

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	4	4	4	4	4	4	4	4	4	4	4	4
	D	4	4	4	4	4	4	4	4	4	4	4	4
85853-X40	C	4	4	4	4	4	4	4	4	4	4	4	1
SEE NOTE 10 LEAD FREE OPTION	B	4	4	4	4	4	4	4	4	4	4	4	4
	A	4	4	4	4	4	4	4	4	4	4	4	4

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	3	-	3	3	-	3	3	-	3	3	-	3
	D	3	3	3	3	3	3	3	3	3	3	3	3
85853-X41	C	3	3	3	3	3	3	3	3	3	3	3	3
SEE NOTE 10 LEAD FREE OPTION	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3

A

1 2

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	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
85853-X45	C	6	6	6	6	5	5	6	6	6	6	5	5
SEE NOTE 10 LEAD FREE OPTION	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

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	2	2	1	1	1	1	1	1
	D	2	2	2	2	2	2	1	1	1	1	1	1
85853-X46	C	1	1	1	1	1	1	2	2	2	1	1	1
SEE NOTE 10 LEAD FREE OPTION	B	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	2	2	1	1	1	1	1	1
	D	2	2	2	2	2	2	1	1	1	1	1	1
85853-X47	C	1	1	1	1	1	1	6	6	6	6	5	5
SEE NOTE 10 LEAD FREE OPTION	B	1	1	1	1	1	1	5	5	5	5	5	5
	A	1	1	1	1	1	1	5	5	5	5	5	5

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	2	2	5	5	5	5	5	5
	D	2	2	2	2	2	2	5	5	5	5	5	5
85853-X48	C	1	1	1	1	1	1	6	6	6	6	5	5
SEE NOTE 10 LEAD FREE OPTION	B	1	1	1	1	1	1	5	5	5	5	5	5
	A	1	1	1	1	1	1	5	5	5	5	5	5

1 2

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	1	1	1	1	1	1	2	2	2	2	2	2
	D	1	1	1	1	1	1	2	2	2	2	2	2
85853-X49	C	1	1	2	2	2	2	1	1	1	1	1	1
SEE NOTE 10 LEAD FREE OPTION	B	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	5	5	5	5	5	5	2	2	2	2	2	2
	D	5	5	5	5	5	5	2	2	2	2	2	2
85853-X50	C	5	5	6	6	6	6	1	1	1	1	1	1
SEE NOTE 10 LEAD FREE OPTION	B	5	5	5	5	5	5	1	1	1	1	1	1
	A	5	5	5	5	5	5	1	1	1	1	1	1

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	5	5	5	5	5	5	6	6	6	6	6	6
	D	5	5	5	5	5	5	6	6	6	6	6	6
85853-X51	C	5	5	6	6	6	6	5	5	5	5	5	5
SEE NOTE 10 LEAD FREE OPTION	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

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	1	1	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1	1	1
85853-X52	C	1	1	1	1	1	1	1	1	1	1	1	1
SEE NOTE 10 LEAD FREE OPTION	B	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1

1 2

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2	
---------------	------------------------	--	--	--	--	--	--------	--

METRAL P/N	CONTACT CODE						MOD. 2					
	MOD. 1						MOD. 2					
ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	-	I	I	-	-	-	-	-	I	I	
	D	-	I	I	-	-	-	-	-	I	I	
85853-X53	C	-	-	-	-	-	-	-	-	-	-	
SEE NOTE 10 LEAD FREE OPTION	B	-	I	I	-	I	-	I	I	-	I	
	A	-	I	I	-	I	-	I	I	-	I	

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
	E	2	1	9	1	9	1	9	1	9	1	9	1
	D	2	1	9	1	9	1	9	1	9	1	9	1
85853-X55	C	2	1	9	1	9	1	9	1	9	1	9	1
SEE NOTE 10 LEAD FREE OPTION	B	2	1	9	1	9	1	9	1	9	1	9	1
	A	2	1	9	1	9	1	9	1	9	1	9	1

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METRAL P/N	ROW	CONTACT CODE						MOD. 2							
		MOD. 1			MOD. 2			8		9		10		11	
	E	2	2	2	19	-	19	-	2	-	2	-	19		
	D	2	2	2	19	-	19	-	2	-	2	-	19		
	C	2	2	2	19	-	19	-	2	-	2	-	19		
85853-X60	B	2	2	2	19	-	19	-	2	-	2	-	19		
SEE NOTE 10 LEAD FREE OPTION	A	2	2	2	19	-	19	-	2	-	2	-	19		

METRAL P/N	CONTACT CODE MOD. 1								MOD. 2				
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	19	19	19	19	-	19	-	19	-	-	19	-
	D	19	19	19	19	-	19	-	19	-	-	19	-
85853-X56	C	19	19	19	19	-	19	-	19	-	-	19	-
SEE NOTE 10 LEAD FREE OPTION	B	19	19	19	19	-	19	-	19	-	-	19	-
	A	19	19	19	19	-	19	-	19	-	-	19	-

METRAL P/N	ROW	CONTACT CODE						MOD. 2						
		MOD.	1	2	3	4	5	6	7	8	9	10	11	12
	E	-	19	-	-	19	-	19	-	19	19	19	19	19
	D	-	19	-	-	19	-	19	-	19	19	19	19	19
85853-X57	C	-	19	-	-	19	-	19	-	19	19	19	19	19
SEE NOTE 10 LEAD FREE OPTION	B	-	19	-	-	19	-	19	-	19	19	19	19	19
	A	-	19	-	-	19	-	19	-	19	19	19	19	19

METRAL P/N	CONTACT CODE						MOD. 2						
	MOD. 1			MOD. 2			MOD. 3		MOD. 4				
ROW	1	2	3	4	5	6	7	8	9	10	11	12	
	E	6	6	6	20	-	20	-	6	-	6	-	20
	D	6	6	6	20	-	20	-	6	-	6	-	20
85853-X62	C	6	6	6	20	-	20	-	6	-	6	-	20
SEE NOTE 10 LEAD FREE OPTION	B	6	6	6	20	-	20	-	6	-	6	-	20
	A	6	6	6	20	-	20	-	6	-	6	-	20

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
85853-X64	C	2	2	2	2	2	2	2	2	2	2	2	2
SEE NOTE 10 LEAD FREE OPTION	B	2	-	-	-	2	2	-	-	-	-	2	
	A	2	-	2	-	2	2	-	2	-	-	2	

2

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com						
Itr	ecn no.	dr	date	linear	0. X \pm 0.3	COPY		projection	title	METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT						
CW					0. XX \pm 0.13											
					. XXX \pm .051											
				angles	0° \pm 2°											
			dr	T. BRUNGARD	11/19/99	MM	scale	A	product family		METRAL	code				
			engr	M. STRAWSER	11/19/99				size		dwg no		85853		213	
			chr	M. STRAWSER	11/19/99				:							
			appd	M. STRAWSER	02/29/00											
sheet	revision															
index	sheet															
				Pro/E				3	cage code		22526	4				



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METRAL P/N	CONTACT CODE						MOD. 2					
	MOD. 1			MOD. 2			9		10			
ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	4	2	2	2	2	2	2
	D	2	2	2	2	4	2	2	2	2	2	2
85853-X70	C	2	2	2	2	4	2	2	2	2	2	2
SEE NOTE 10	B	2	2	2	2	4	2	2	2	2	2	2
LEAD FREE OPTION	A	2	2	2	2	4	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE										MOD. 2	
		MOD. 1	1	2	3	4	5	6	7	8	9	10	11
85853-X66	E	5	5	6	5	5	5	5	5	6	5	5	6
SEE NOTE 10	D	5	5	6	5	5	5	5	5	6	5	5	6
LEAD FREE	C	5	5	6	5	5	5	5	5	6	5	5	6
OPTION	B	5	5	6	5	5	5	5	5	6	5	5	6
	A	5	5	6	5	5	5	5	5	6	5	5	6

METRAL P/N	ROW	CONTACT CODE						MOD. 2					
		MOD.	1	2	3	4	5	6	7	8	9	10	11
85853-X67	E	6	6	6	6	6	6	6	6	6	5	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
SEE NOTE 10 LEAD FREE OPTION	C	6	6	6	6	6	6	6	6	6	20	20	20
	B	6	6	6	6	6	6	6	6	6	20	6	6
	A	6	6	6	6	6	6	6	6	6	20	6	6

METRAL P/N	CONTACT CODE										MOD. 2	
	MOD. 1											
ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	2	3	2	2	2	2	2
	D	2	2	2	2	2	3	2	2	2	2	2
85853-X71	C	2	2	2	2	2	3	2	2	2	2	2
SEE NOTE 10 LEAD FREE OPTION	B	-	-	-	2	2	3	2	2	2	2	2
	A	2	2	2	2	2	3	2	2	2	1	3

METRAL P/N	ROW	CONTACT CODE						MOD. 2					
		MOD.	1	2	3	4	5	6	7	8	9	10	11
	E	1	4	4	4	4	19	4	2	19	19	19	2
	D	1	4	4	4	4	19	4	2	19	19	19	2
85853-X72	C	19	4	4	4	4	19	4	2	19	19	19	2
SEE NOTE 10 LEAD FREE OPTION	B	3	4	4	4	4	19	4	2	19	19	19	2
	A	3	4	4	4	4	19	4	2	19	19	19	2

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X73	E	5	5	6	5	5	5	5	5	6	5	5	5
SEE NOTE 10 LEAD FREE OPTION	D	5	5	6	5	5	5	5	5	6	5	5	5
	C	1	1	6	1	5	5	5	5	6	5	5	5
	B	5	5	6	5	5	5	5	5	6	5	5	5
	A	5	5	6	5	5	5	5	5	6	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X75	E	6	6	6	6	6	6	6	6	6	6	6	6
SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	8	6	8	8	6	8	8	8	6	8	6
	B	6	6	6	6	8	6	6	6	6	6	6	6
	A	6	6	6	6	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	11	12
85853-X76	E	I	I	I	I	I	3	I	I	I	I	I	I
SEE NOTE 10 LEAD FREE OPTION	D	I	I	I	I	I	3	I	I	I	I	I	I
	C	I	I	I	I	I	3	I	I	I	I	I	I
	B	I	I	I	I	I	3	I	I	I	I	I	I
	A	I	I	I	I	I	3	I	I	I	I	I	I

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com						
ltr	ecn no.	dr	date	linear	0. X ± 0.3	COPY		projection		title METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT						
CW					0. XX ± 0.13											
					. XXX ± .051											
				angles	0° ± 2°											
				dr	T. BRUNGARD	11/19/99	MM	scale		product family		METRAL		code		
				engr	M. STRAWSER	11/19/99										213
				chr	M. STRAWSER	11/19/99										
				oppd	M. STRAWSER	02/29/00										
sheet index	revision															
sheet																
				Proj/E				3		cage code		22526		4		

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METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	5	5	5	5	5	7	5	5	5	5	5	5
	D	5	5	5	5	5	7	5	5	5	5	5	5
85853-X79 SEE NOTE 10 LEAD FREE OPTION	C	5	5	5	5	5	7	5	5	5	5	5	5
	B	5	5	5	5	5	7	5	5	5	5	5	5
	A	5	5	5	5	5	7	5	5	5	5	5	5

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	5	5	5	5	5	6	5	5	5	5	5	5
	D	5	5	5	5	5	6	5	5	5	5	5	5
85853-X80 SEE NOTE 10 LEAD FREE OPTION	C	5	6	5	6	6	6	5	5	6	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	6

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	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
85853-X81 SEE NOTE 10 LEAD FREE OPTION	C	6	5	6	6	5	6	6	5	6	6	5	5
	B	5	5	5	5	6	5	5	5	5	5	5	6
	A	5	5	5	5	5	6	5	5	5	5	5	6

A

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	1	1	1	1	1	1	1	1	1	1	1	-
	D	1	1	1	1	1	1	1	1	1	1	1	-
85853-X82 SEE NOTE 10 LEAD FREE OPTION	C	1	1	1	1	1	1	1	1	1	1	1	-
	B	1	1	1	1	1	1	1	1	1	1	1	-
	A	1	1	1	1	1	1	1	1	1	1	1	-

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	-	2	-	2	-	2	-	2	-	2	-
	D	-	2	-	-	2	-	-	-	2	-	-	-
85853-X83 SEE NOTE 10 LEAD FREE OPTION	C	2	-	2	-	2	-	2	-	2	-	2	-
	B	-	2	-	-	2	-	-	-	2	-	4	
	A	2	-	2	-	2	-	2	-	2	-	2	-

B

1 2

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	-	-	4	4	4	4	4	4	4	4	-	-
	D	-	-	4	4	4	4	4	2	2	4	-	-
85853-X84 SEE NOTE 10 LEAD FREE OPTION	C	-	-	4	2	2	4	4	4	4	-	-	-
	B	-	-	4	4	4	4	4	2	2	4	-	-
	A	-	-	4	4	4	4	4	4	4	-	-	-

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	-	2	-	2	-	2	-	2	2	2	2
	D	-	-	-	-	-	-	-	-	2	2	2	2
85853-X85 SEE NOTE 10 LEAD FREE OPTION	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	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	3	3	3	3	3	3	1	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3	3	3
85853-X86 SEE NOTE 10 LEAD FREE OPTION	C	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	1	1	1	1	1	1	1	1	1	1	1	-
	D	1	1	1	1	1	1	1	1	1	1	1	-
85853-X87 SEE NOTE 10 LEAD FREE OPTION	C	1	1	1	1	1	1	1	1	1	1	1	-
	B	1	1	1	1	1	1	1	1	1	1	1	-
	A	1	1	1	1	1	1	1	1	1	1	1	-

1 2

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	1	1	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1	1	1
85853-X88 SEE NOTE 10 LEAD FREE OPTION	C	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2					
	ROW	1	2	3	4							

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METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	-	5	5	-	5	5	-	5	5	-	5	5
	D	-	5	5	-	5	5	-	5	5	-	5	5
85853-X92 SEE NOTE 10 LEAD FREE OPTION	C	-	5	5	-	5	5	-	5	5	-	5	5
	B	-	5	5	-	5	5	-	5	5	-	5	5
	A	-	5	5	-	5	5	-	5	5	-	5	5

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X93 SEE NOTE 10 LEAD FREE OPTION	E	8	6	6	6	6	6	6	6	6	6	6	6
	D	8	6	6	6	5	6	6	6	6	6	6	6
	C	8	6	6	6	6	6	6	6	6	6	6	6
	B	8	6	6	6	6	6	6	6	6	6	6	6
	A	8	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X94 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	4
	D	2	2	2	2	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	4

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X95 SEE NOTE 10 LEAD FREE OPTION	E	-	1	1	-	1	1	-	1	1	-	1	1
	D	-	1	1	-	1	1	-	1	1	-	1	1
	C	-	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

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X96 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	2	-	2	-	2	-
	D	-	2	-	2	-	2	-	2	-	2	-	2
	C	2	-	2	-	2	-	2	-	2	-	2	-
	B	-	2	-	2	-	2	-	2	-	2	-	2
	A	2	-	2	-	2	-	2	-	2	-	2	-

1 2

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X97 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	1	2	2	2	2	2	2	2	2	2	2	1

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2							
	ROW	1	2	3	4	5	6	7	8	9	10	11
85853-X98 SEE NOTE 10 LEAD FREE OPTION	E	19	1	2	2	1	2	2	2	2	2	19
	D	1	2	2	2	2	2	2	2	2	2	19
	C	2	2	2	2	2	2	2	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	2	19
	A	2	1	2	2	2	2	2	2	2	2	19

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2							
	ROW	1	2	3	4	5	6	7	8	9	10	11
85853-X99 SEE NOTE 10 LEAD FREE OPTION	E	2	1	2	2	1	2	2	2	2	2	19
	D	2	2	2	2	2	2	2	2	2	2	19
	C	2	2	2	2	2	2	2	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	2	19
	A	2	1	2	2	2	2	2	2	2	2	19

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X100 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	1	1	1	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

1 2

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X101 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	8	20	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	20	6	6	6	6	6	6	6	6	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	6

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2							
	ROW	1	2	3	4	5	6	7	8	9	10	11
85853-X102 SEE NOTE 10 LEAD FREE OPTION	E	4										

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METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	3	3	3	3	3	3	3	3	3
	D	2	2	2	3	3	3	3	3	3	3	3	3
85853-X105	C	2	2	2	3	3	3	3	3	3	3	3	3
SEE NOTE 10 LEAD FREE OPTION	B	2	2	2	3	3	3	3	3	3	3	3	3
	A	2	2	2	3	3	3	3	3	3	3	3	3

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	3	7	7	7	7	7	8	7	8	7	7	3
	D	3	7	7	7	7	7	8	7	8	7	7	3
85853-X106	C	3	7	7	7	7	7	8	7	8	7	7	3
SEE NOTE 10 LEAD FREE OPTION	B	3	7	7	7	7	7	8	7	8	7	7	3
	A	3	7	7	7	7	7	8	7	8	7	7	3

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	3	8	7	7	7	7	7	7	7	7	7	7
	D	3	8	7	7	7	7	7	7	7	7	7	7
85853-X107	C	3	8	7	7	7	7	7	7	7	7	7	7
SEE NOTE 10 LEAD FREE OPTION	B	3	8	7	7	7	7	7	7	7	7	7	7
	A	3	8	7	7	7	7	7	7	7	7	7	7

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	7	8	7	8	7	8	7	8	7	8	5	7
	D	7	8	7	8	7	8	7	8	7	8	5	7
85853-X108	C	8	8	8	8	8	8	8	8	8	8	5	7
SEE NOTE 10 LEAD FREE OPTION	B	6	8	6	8	6	8	6	8	6	8	5	7
	A	6	8	6	8	6	8	6	8	6	8	5	7

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	19	1	2	2	1	2	2	2	2	2	2	19
	D	1	2	2	2	2	2	2	2	2	2	2	19
85853-X109	C	2	2	2	2	2	2	2	2	2	2	2	19
SEE NOTE 10 LEAD FREE OPTION	B	19	2	2	2	2	2	2	2	2	2	2	19
	A	1	1	2	2	2	2	2	2	2	2	2	19

1 2

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	-	2	-	2	-	2	-	2	-	2	-	2
	D	2	-	2	-	2	-	2	-	2	-	2	-
85853-X110	C	-	2	-	2	-	2	-	2	-	2	-	2
SEE NOTE 10 LEAD FREE OPTION	B	2	-	2	-	2	-	2	-	2	-	2	-
	A	-	2	-	2	-	2	-	2	-	2	-	2

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	5	5	6	5	5	5	5	5	5	5	5	5
	D	5	5	6	5	5	5	6	6	6	6	6	6
85853-X111	C	6	6	6	5	5	5	6	6	6	6	6	6
SEE NOTE 10 LEAD FREE OPTION	B	5	5	5	5	5	6	6	6	6	6	6	6
	A	6	6	6	6	6	5	5	5	5	5	5	5

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	1	1	1	1	1	2	1	1	1	1	1	1
	D	1	1	1	1	1	1	2	1	1	1	1	1
85853-X112	C	1	1	2	1	1	1	1	1	1	1	1	1
SEE NOTE 10 LEAD FREE OPTION	B	1	1	1	1	1	1	2	1	1	1	1	1
	A	1	1	1	1	1	1	2	2	1	1	1	1

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	4	2	2	4	2	2	4	3	3	4	3	3
85853-X113	C	2	2	4	2	2	4	3	3	4	3	3	3
SEE NOTE 10 LEAD FREE OPTION	B	2	4	2	2	4	3	3	4	3	3	3	3
	A	2	2	2	2	2	2	2	2	2	2	2	3

1 2

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	3	3	3	3	3	3	3	3	3	4	3	3
	D	3	3	3	3	3	3	3	3	3	4	3	3
85853-X114	C	3	3	3	3	3	3	3	3	3	4	3	3
SEE NOTE 10 LEAD FREE OPTION	B	3	3	3	3	3	3	3	3	3	4	3	3
	A	3	3	3	3	3	3	3	3	3	4	3	3

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2							
	ROW	1	2	3	4	5</						

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METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	6	-	6	-	6	-	6	-	6	-	6	-
	D	-	6	-	6	-	6	-	6	-	6	-	6
85853-X118 SEE NOTE 10 LEAD FREE OPTION	C	6	-	6	-	6	-	6	-	6	-	6	-
	B	-	6	-	6	-	6	-	6	-	6	-	6
	A	6	-	6	-	6	-	6	-	6	-	6	-

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	4	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	4	4	2	2	2	2	2	2	2	2
85853-X119 SEE NOTE 10 LEAD FREE OPTION	C	19	2	19	2	2	19	2	2	2	2	2	2
	B	2	2	2	4	2	4	2	2	2	2	2	2
	A	4	2	2	2	2	4	2	2	2	2	2	2

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	2	2	2	2	2	2	19	2
	D	2	2	2	2	2	2	2	2	2	2	19	2
85853-X120 SEE NOTE 10 LEAD FREE OPTION	C	2	2	2	2	2	2	2	2	2	2	19	2
	B	2	2	2	2	2	2	2	2	2	2	19	2
	A	2	2	4	4	2	4	2	4	2	4	19	4

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	6	6	6	6	6	6	6	6	6	6	8	5
	D	6	6	6	6	6	6	6	6	6	6	6	6
85853-X121 SEE NOTE 10 LEAD FREE OPTION	C	6	6	6	6	6	6	6	6	6	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	6

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	2	2	2	2	2	3	4	4
	D	2	2	2	2	2	2	2	2	2	2	4	4
85853-X122 SEE NOTE 10 LEAD FREE OPTION	C	2	2	2	2	2	2	2	2	4	4	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	2	1	2	4	4

1 2

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	2	2	2	2	2	2	4	1
	D	2	2	2	2	2	2	2	2	2	2	2	2
85853-X123 SEE NOTE 10 LEAD FREE OPTION	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	3	3	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3	3	3
85853-X124 SEE NOTE 10 LEAD FREE OPTION	C	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	1	3

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	3	3	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3	3	3
85853-X125 SEE NOTE 10 LEAD FREE OPTION	C	19	19	19	19	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	1

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	6	6	6	6	6	2	2	2	2	2	2
	D	2	6	6	6	6	6	2	2	2	2	2	2
85853-X126 SEE NOTE 10 LEAD FREE OPTION	C	2	6	6	6	6	6	2	2	2	2	2	2
	B	2	6	6	6	6	6	2	2	2	2	2	2
	A	2	6	6	6	6	6	2	2	2	2	2	2

sheet index sheet

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
85853-X127 SEE NOTE 10 LEAD FREE OPTION	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	CONTACT CODE MOD. 1				MOD. 2							
	ROW	1	2									

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METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X131 SEE NOTE 10 LEAD FREE OPTION	E	9	-	9	-	9	-	9	-	9	-	9	-
	D	9	-	9	-	9	-	9	-	9	-	9	-
	C	-	-	-	-	-	-	-	-	-	-	-	-
	B	9	-	9	-	9	-	9	-	9	-	9	-
	A	9	-	9	-	9	-	9	-	9	-	9	-
85853-X132 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	6	6	6	6	6	6	6	6	6	6	6	6
	B	5	5	5	5	5	6	6	6	6	6	6	6
	A	5	5	5	5	5	6	6	6	6	6	6	6
85853-X133 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	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	6	6	6	6	6	6	6	6	6	6	6	6
85853-X134 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	1	1	2	2	3	3
	D	2	2	2	2	2	2	1	1	2	2	3	3
	C	2	2	2	2	2	2	1	1	2	2	3	3
	B	2	2	2	2	2	2	1	1	2	2	3	3
	A	2	2	2	2	2	2	1	1	2	2	3	3
85853-X135 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	1	1	1	1	1	1	1
	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	2	1	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

1 2

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X136 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2
85853-X137 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	-	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2
85853-X138 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	2	2	2	3	2	3	2	2
	D	2	2	2	3	2	2	2	3	2	3	2	2
	C	2	2	2	2	3	2	2	2	2	3	2	2
	B	2	2	2	2	2	3	2	2	2	3	2	2
	A	2	2	2	2	2	1	2	2	2	3	2	2
85853-X139 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3	3	3
	D	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
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3

Pro/E

PDM: Rev:CW

cage code 22526

Printed: Jan 02, 2008

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METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X140 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	4	2	2	2	2	2	4	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2
85853-X141 SEE NOTE 10 LEAD FREE OPTION	E	64	64	64	64	64	64	64	64	64	64	64	64
	D	64	64	64	64	64	64	64	64	64	64	64	64
	C	67	64	64	64	64	64	67	64	64	64	64	64
	B	64	64	64	64	64	64	64	64	64	64	64	64
	A	64	64	64	64	64	64	64	64	64	64	64	64

METRAL P/N	CONTACT CODE MOD. 1						MOD. 2						
	ROW	1	2	3	4	5	6	7	8	9	10	11	12
85853-X142 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	1
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2
85853-X143 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	2	2	1
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

B

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI			
ltr	ecn no.	dr	date					projection	title		www.fciconnect.com		
CW								linear	0.X ± 0.3				
									0.XX ± 0.13				
								angles	.XXX ± .051				
									0° ± 2°				
								dr	T.BRUNGARD 11/19/99				
								engr	M.STRAWSER 11/19/99				
								chr	M.STRAWSER 11/19/99				
								appd	M.STRAWSER 02/29/00				
				sheet					scale	I : I			
				index									
				sheet									

B

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METRAL P/N	CONTACT CODE MOD. 1				MOD. 2								
	ROW	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	2	1	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	1	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2
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
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
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 COPY	FCI	www.fciconnect.com
ltr	ecn no.	dr	date	linear	0. X ±0.3	projection	title			
CW					0. XX ±0.13		METRAL SIGNAL HEADER			
					.XXX ±.051		2 MOD, 5 ROW PRESS-FIT			
				angles	0° ±2°					
				dr	T.BRUNGARD	11/19/99	product family	METRAL	code	
				engr	M.STRAWSER	11/19/99	size	dwg no	213	
				chr	M.STRAWSER	11/19/99	scale		sheet	
				appd	M.STRAWSER	02/29/00	I : I	A	85853	14
	sheet	revision								
	index	sheet								

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Pro/E

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cage code
22526

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PDM: Rev:CW

STATUS:Released
Printed: Jan 02, 2008

PRODUCT NUMBER
85853-XYY
OR
85853-YYYY
85853-XYYLF
OR
85853-YYYYLF

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL
POLYMER 30 % GLASS.
FLAME RETARDANT ACC. UL 94-VO.
3. PIN MATERIAL:
PHOSPHOR BRONZE.
4. PLATING ON PRESS-FIT TAIL:
85853-XXX IS SnPb
85853-XXYL IS Sn (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE BELOW.
5. PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
6. 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
7. PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073

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

8. AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.

9. 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.

(10) FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 85853-X01LF

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