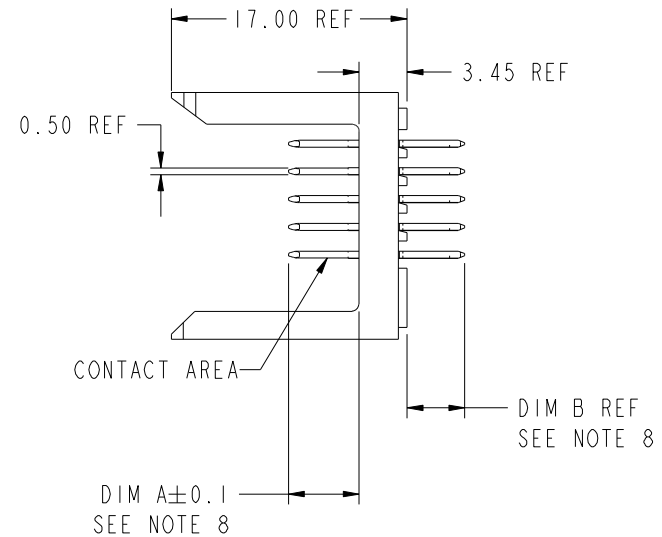
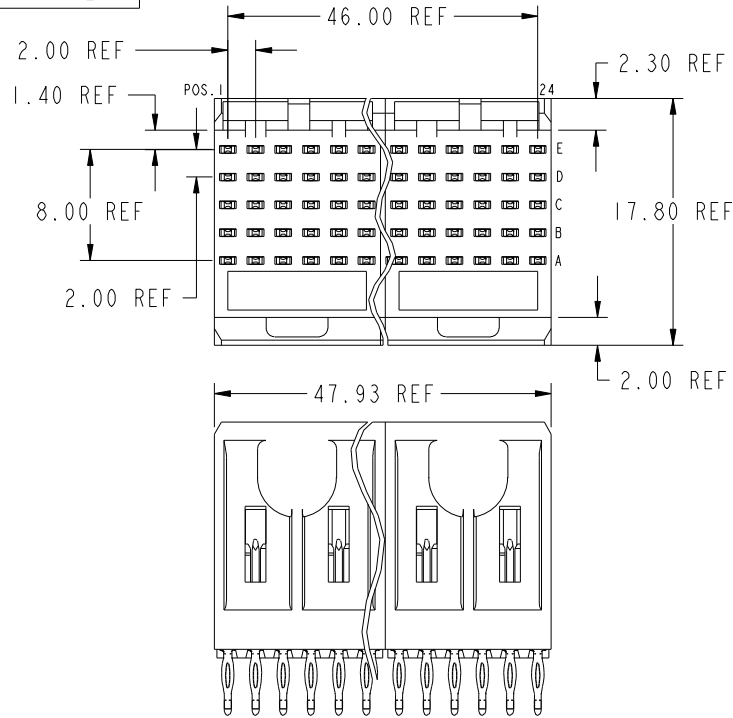




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PRODUCT NUMBER
85854-XXX OR 85854-YYYY
85854-XXYLF OR 85854-XXYYLF



mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date		0.X ± 0.3	COPY		www.fciconnect.com	
DE	V06-0492	DCH	2006-05-23	linear	0.XX ± 0.13	projection		title METRAL SIGNAL HEADER	
DF	DG07-0487	Cenh	12/05/07		.XXX ± .051			4 MOD, 5 ROW PRESS-FIT	
DG	DG09-0344	TER	2009-11-10	angles	0° ± 2°			product family METRAL	
-	-	-	-	dr	T.BRUNGARD 11/19/99	MIM		code 213	
DB	V04-0353	DAI	05/04/04	enrg	M.STRAWSER 11/19/99			size	
DC	V04-0560	HTB	06/01/04	chr	M.STRAWSER 11/19/99	scale		dwg no 85854	
DD	V04-1100	DAI	01/26/05	appd	M.STRAWSER 02/29/00	2:1	A	sheet 1 of 20	
sheet	revision	DG	...	DG					
index	sheet	I	...	20					
								cage code 22526	

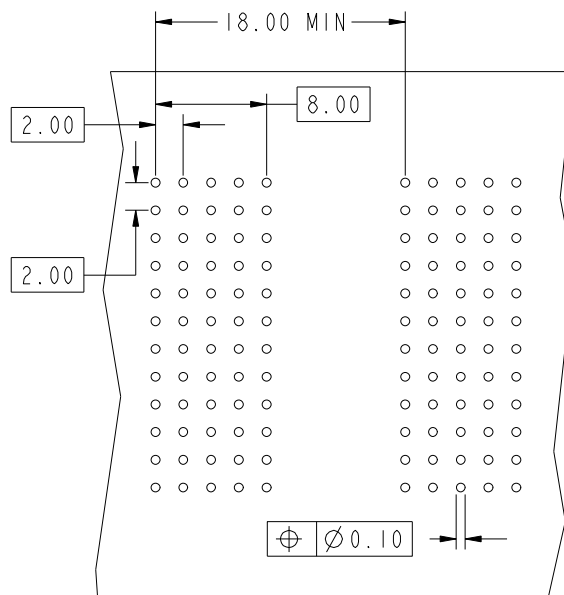


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REV E - 2006-04-18

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B



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

1 | 2

3 |

4

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	5.00	4.30
2	5.75	4.30
3	6.50	4.30
4	7.25	4.30
5	5.00	13.60
6	5.75	13.60
7	6.50	13.60
8	7.25	13.60
9	5.00	17.00
10	5.75	17.00
11	6.50	17.00
16	7.00	4.30
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
25	5.75	15.60
39	8.00	14.40
44	5.75	12.10
49	5.75	15.10
52	8.00	15.10
54	5.00	11.50

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mat'l code				- -				tolerances unless otherwise specified				CUSTOMER								www.fciconnect.com																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Pro/E

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cage code 22526

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REV E - 2006-04-18

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X01 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	D	6	6	6	6	6	6	6	6	6	6	6	6	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	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	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	6	6	6	6	6	6	6	6	6	6	6	6
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X02 SEE NOTE 10 LEAD FREE OPTION	E	19	3	19	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19
	D	3	19	19	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19
	C	19	3	19	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19
	B	3	19	19	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19
	A	19	19	19	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X03 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	-	-	2	2	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	2	2	2	2	2	2	2	2	2	2
	C	19	19	2	2	2	2	2	2	-	-	2	2	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	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X04 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1	1	1	1	1	1

mat'l code				tolerances unless otherwise specified				CUSTOMER		 www.fciconnect.com	
litr	ecn no.	dr	date	linear	0.X ±0.3			COPY		title	
DG					0.XX ±0.13			projection		METRAL SIGNAL HEADER	
					.XXX ±.051					4 MOD, 5 ROW PRESS-FIT	
				angles	0° ±2°					product family	
				dr	T.BRUNGARD 11/19/99			scale		METRAL	
				engr	M.STRAWER 11/19/99			1:1		code	
				chr	M.STRAWER 11/19/99			A		size	
				appd	M.STRAWER 02/29/00					dwg no	
sheet	revision									85854	
index	sheet									213	
										sheet	
										3	

Pro/E

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cage code 22526

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X09 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	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	2	2	2	2	2	2	2	4	4	4	19	19
	B	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X10 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	C	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	B	1	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X11 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6	6
	C	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	B	5	6	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6	6
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X12 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	C	1	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	1
	B	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
litr	ecn no.	dr	date	linear	0.X ±0.3	projection 	COPY	www.fciconnect.com	
DG					0.XX ±0.13			title	
					.XXX ±.051			METRAL SIGNAL HEADER	
					angles 0° ±2°			4 MOD, 5 ROW PRESS-FIT	
				dr	T.BRUNGARD 11/19/99		scale 1:1	product family	
				enrg	M.STRAWER 11/19/99			METRAL	
				chr	M.STRAWER 11/19/99			size	dwg no
				appd	M.STRAWER 02/29/00			A	85854
sheet index	revision sheet								code
									213
									sheet
									4

Pro/E

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cage code 22526

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PDM: Rev:DG

STATUS:Released

Printed: Nov 11, 2009



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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X17 SEE NOTE 10 LEAD FREE OPTION	E	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	
	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	
	A	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	1	
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X18 SEE NOTE 10 LEAD FREE OPTION	E	6	7	6	7	6	7	6	7	6	7	6	7	6	6	6	6	6	7	6	7	6	7	6	7
	D	6	6	6	6	6	6	6	6	6	6	6	6	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	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	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	6	6	6	6	6	6	6	6	6	6	6	6
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X19 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	2	2	2	2	2	2	52	52	52	52	52	52	19	19	19	19	19	19	19
	D	-	-	-	-	-	2	2	2	2	2	2	52	52	52	52	52	52	19	19	19	19	19	19	19
	C	-	-	-	-	-	2	2	2	2	2	2	52	52	52	52	52	52	19	19	19	19	19	19	19
	B	-	-	-	-	-	2	2	2	2	2	2	52	52	52	52	52	52	19	19	19	19	19	19	19
	A	-	-	-	-	-	2	2	2	2	2	2	52	52	52	52	52	52	19	19	19	19	19	19	19
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X20 SEE NOTE 10 LEAD FREE OPTION	E	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	D	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	C	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	B	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	A	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI				
lfr	ecn no.	dr	date	linear	0.X ±0.3				COPY	www.fciconnect.com				
DG					0.XX ±0.13				projection	title				
					.XXX ±.051					METRAL SIGNAL HEADER				
				angles	0° ±2°					4 MOD, 5 ROW PRESS-FIT				
				dr	T.BRUNGARD 11/19/99					product family		METRAL		
				engr	M.STRAWER 11/19/99					size	dwg no		213	
				chr	M.STRAWER 11/19/99					scale	85854		sheet	
				appd	M.STRAWER 02/29/00						5			
sheet index	revision sheet													

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X25 SEE NOTE 10 LEAD FREE OPTION	E	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6
	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X26 SEE NOTE 10 LEAD FREE OPTION	E	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2
	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X27 SEE NOTE 10 LEAD FREE OPTION	E	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6
	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X28 SEE NOTE 10 LEAD FREE OPTION	E	9	11	10	10	10	10	10	10	10	10	10	9	11	10	10	10	10	10	10	10	10	11	11	9
	D	9	11	10	10	10	10	10	10	10	10	10	9	11	10	10	10	10	10	10	10	10	11	11	9
	C	9	11	10	10	10	10	10	10	10	10	10	9	11	10	10	10	10	10	10	10	10	11	11	9
	B	9	11	10	10	10	10	10	10	10	10	10	9	11	10	10	10	10	10	10	10	10	11	11	9
	A	1	3	2	2	2	2	2	2	2	2	2	1	3	2	2	2	2	2	2	2	2	2	3	3

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

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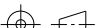
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X33 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2
	C	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2
	B	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
85854-X34 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	19	3	3	3	3	3	3	3	3	19	3	3	3	3	3	3	4
	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
	C	3	3	3	3	3	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
	B	3	19	3	3	19	3	3	3	19	3	19	3	19	3	3	3	3	3	3	3	3	3	3	3	4
	A	3	3	3	3	3	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X35 SEE NOTE 10 LEAD FREE OPTION	E	4	4	3	3	3	3	3	3	3	19	19	3	3	3	3	3	3	3	3	3	3	3	19	19
	D	4	4	3	3	3	3	3	3	3	19	19	3	3	3	3	3	3	3	3	3	3	3	19	19
	C	4	4	3	3	3	3	3	3	3	19	19	3	3	3	3	3	3	3	3	3	3	3	19	19
	B	4	4	3	3	3	3	3	3	3	19	19	3	3	3	3	3	3	3	3	3	3	3	19	19
	A	4	4	3	3	3	3	3	3	3	19	19	3	3	3	3	3	3	3	3	3	3	3	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X36 SEE NOTE 10 LEAD FREE OPTION	E	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	39	54	54	54
	D	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	39	54	54	54
	C	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	39	54	54	54
	B	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	39	54	54	54
	A	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	39	54	54	54

mat'l code				- -		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com			
litr	ecn no.	dr	date	linear	0. X ±0.3		COPY			title			
DG					0. XX ±0.13		projection			METRAL SIGNAL HEADER			
					. XXX ±.051					4 MOD, 5 ROW PRESS-FIT			
				angles	0° ±2°								
				dr	T.BRUNGARD 11/19/99				product family		METRAL	code	
				enrg	M.STRAWER 11/19/99				size		dwg no		213
				chr	M.STRAWER 11/19/99				scale		A		sheet
				appd	M.STRAWER 02/29/00		1 : 1				7		
sheet index	revision sheet												

cage code				22526				4			
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X41 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1	1	1	1	1	1	1
	C	2	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1	1	1	1	1	1
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X42 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X43 SEE NOTE 10 LEAD FREE OPTION	E	-	5	5	-	5	5	-	5	5	-	5	5	-	5	5	-	5	5	-	5	5	-	5	5
	D	-	5	5	-	5	5	-	5	5	-	5	5	-	5	5	-	5	5	-	5	5	-	5	5
	C	-	-	-	-	5	5	-	5	5	-	5	5	-	-	-	-	5	5	-	5	5	-	5	5
	B	-	-	-	-	5	5	-	5	5	-	5	5	-	-	-	-	5	5	-	5	5	-	5	5
	A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X44 SEE NOTE 10 LEAD FREE OPTION	E	8	20	8	20	8	20	8	20	20	7	7	20	20	20	20	7	20	7	20	20	20	20	20	20
	D	8	20	8	20	8	20	8	20	20	7	7	20	20	7	20	7	20	7	20	20	7	20	7	20
	C	20	20	20	20	20	20	8	20	20	7	7	20	20	20	20	20	7	20	7	20	20	20	20	20
	B	7	20	7	20	7	20	7	20	7	7	20	20	20	7	20	20	20	20	20	20	20	20	20	20
	A	20	7	7	7	7	7	7	7	7	7	20	20	20	20	20	20	20	7	20	7	20	7	7	20

1 | 2

1 | 2

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X45 SEE NOTE 10 LEAD FREE OPTION	E	4	19	4	19	4	19	4	19	19	3	3	19	19	19	19	3	19	3	19	19	19	19	19	19
	D	4	19	4	19	4	19	4	19	19	3	3	19	19	3	19	3	19	3	19	3	19	3	19	19
	C	19	19	19	19	19	19	4	19	19	3	3	19	19	19	19	3	19	3	19	19	19	19	19	19
	B	3	19	3	19	3	19	3	19	3	3	3	19	19	3	19	19	19	19	19	19	19	19	19	19
	A	19	3	3	3	3	3	3	3	3	3	3	19	19	19	19	3	19	3	19	3	19	3	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X46 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	C	16	16	16	16	16	16	16	16	16	16	16	16	1	1	1	1	1	1	16	16	16	16	16	16
	B	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2

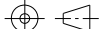
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X47 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-
	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X48 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	-	1	-	1	-	1	-	1	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	1	1	1	1	1	1	1	1
	C	1	1	1	1	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1

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mat'l code				- -		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3		projection	COPY	title	METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT			
DG					0.XX ±0.13								
					.XXX ±.051								
				angles	0° ±2°					product family METRAL			
					dr T.BRUNGARD 11/19/99								
					enrg M.STRAWER 11/19/99								
				chr	M.STRAWER 11/19/99		MM	scale	size	dwg no 85854		213 sheet 8	
					appd M.STRAWER 02/29/00								
sheet index		revision sheet											

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X49 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X50 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	D	3	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	1	1	1	1	1	1	1	1	1	1	1	3	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	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X51 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	C	4	4	4	4	4	4	4	4	4	4	4	1	1	1	1	1	1	1	4	4	4	4	4	4
	B	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X52 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	D	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	C	1	1	2	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2
	B	1	1	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1	1	1	1	1	1

3																											
METRAL P/N			CONTACT MOD. 1						MOD. 2						MOD. 3						MOD. 4						
		ROW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
85854-X53 SEE NOTE 10 LEAD FREE OPTION		E	1	1	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1	1	1	1	1	1	1	
		C	1	1	1	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2	2
		B	1	1	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X54 SEE NOTE 10 LEAD FREE OPTION	E	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1
	D	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1
	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	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	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X55 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	3	3	-	-	3	3	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	3	3	-	-	3	3	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	3	3	-	-	3	3	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	3	3	-	-	3	3	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	19	19	-	-	19	19	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X56 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	C	2	2	2	2	2	2	2	2	2	2	2	2	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	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	2	2	2	2	2	2	2	2	2	2	2	2

mat'l code				--		tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com													
litr	ecn no.	dr	date	linear		0.X ±0.3		COPY				title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT													
DG						0.XX ±0.13		projection																	
						.XXX ±.051																			
						angles 0° ±2°																			
				dr		T.BRUNGARD 11/19/99				product family		METRAL		code											
				enrg		M.STRAWSE 11/19/99				size		dwg no		213											
				chr		M.STRAWSE 11/19/99				scale		85854		sheet											
				appd		M.STRAWSE 02/29/00				1:1		A		9											
sheet index		revision sheet																							

Pro/E

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A

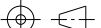
B

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X57 SEE NOTE 10 LEAD FREE OPTION	E	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	1	-	1	1
	D	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1	1
	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	B	-	-	-	1	1	-	1	1	-	1	1	-	-	-	1	1	-	1	1	-	1	1	1	1
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	-	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X58 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1	1	-	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-
	B	1	1	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1	-	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X59 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1
	D	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C	1	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1
	B	1	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1
	A	1	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X60 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	D	3	2	2	2	2	2	2	2	2	2	2	3	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	2	2	2	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	2	2	3	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	2	2	2	2	2	2	2	2	2	2	2	2

mat'l code				- -		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com					
ltr	ecn no.	dr	date	linear	0. X ±0.3		COPY			title					
DG					0. XX ±0.13		projection			METRAL SIGNAL HEADER					
					. XXX ±.051					4 MOD, 5 ROW PRESS-FIT					
				angles	0° ±2°					product family		METRAL		code	
				dr	T.BRUNGARD 11/19/99					size	dwg no		213		
				engr	M.STRAWSER 11/19/99						85854		sheet		
				chr	M.STRAWSER 11/19/99		scale				A			10	
				appd	M.STRAWSER 02/29/00		1 : 1								
sheet index		revision sheet													

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X65 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1
	D	3	3	3	3	3	3	3	3	3	3	3	3	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	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	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	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X66 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	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	2	2	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	-	2	-	-	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X67 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	4	4	2	2	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	3	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X68 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X69 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	D	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X70 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	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	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	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X71 SEE NOTE 10 LEAD FREE OPTION	E	5	5	6	5	5	5	5	5	6	5	5	5	5	5	6	5	5	5	5	5	5	5	5	6
	D	5	5	6	5	5	5	5	5	6	5	5	5	5	5	6	5	5	5	5	5	5	5	5	6
	C	5	5	6	5	5	5	5	5	6	5	5	5	5	5	6	5	5	5	5	5	5	5	5	6
	B	5	5	6	5	5	5	5	5	6	5	5	5	5	5	6	5	5	5	5	5	5	5	5	6
	A	5	5	6	5	5	5	5	5	6	5	5	5	5	5	6	5	5	5	5	5	5	5	5	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X72 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	1	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2

mat'l code				- -				tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com			
litr	ecn no.	dr	date	linear	0.X ±0.3				projection 	title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT	product family				METRAL		code 213 sheet 11		
DG					0.XX ±0.13						MM 	size A	dwg no					85854	
					angles	0° ±2°							METRAL						
				dr	T.BRUNGARD 11/19/99				scale 1:1										
				enrg	M.STRAWER 11/19/99														
				chr	M.STRAWER 11/19/99														
				appd	M.STRAWER 02/29/00														
sheet index	revision sheet																		

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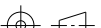
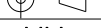
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X73 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	4	2	2	2	1	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	D	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	C	2	2	2	2	2	4	2	2	2	3	3	3	2	2	2	2	2	4	2	2	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	3	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	A	2	2	2	2	2	4	2	2	2	3	2	2	2	2	2	2	2	4	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X74 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	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	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	2	2	2	2	2	2	2	2	2	2	2	2
	A	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X75 SEE NOTE 10 LEAD FREE OPTION	E	3	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
	D	3	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
	C	3	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
	B	3	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
	A	3	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X76 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	D	1	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	1	3
	C	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3
	B	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3

mat'l code				- -		tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com		
litr	ecn no.	dr	date	linear	0.X ±0.3		projection 	COPY	title					
DG					0.XX ±0.13				METRAL SIGNAL HEADER					
					.XXX ±.051				4 MOD, 5 ROW PRESS-FIT					
				angles	0° ±2°			MM 	product family		code			
				dr	T.BRUNGARD 11/19/99				size		dwg no		213	
				enrg	M.STRAWSE 11/19/99				scale		A		sheet	
				chr	M.STRAWSE 11/19/99				1:1		85854		12	
				appd	M.STRAWSE 02/29/00									
sheet index		revision sheet												

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B

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X81 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	D	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	C	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	A	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X82 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	2	-	2	-	2	-	2	-	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	-	2	2	2	2	2	2
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2
	A	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X83 SEE NOTE 10 LEAD FREE OPTION	E	3	19	3	19	3	19	3	19	19	1	1	19	19	19	19	1	19	1	19	19	19	19	19	19
	D	4	19	3	19	3	19	3	19	19	1	1	19	19	4	19	1	19	1	19	19	1	19	1	19
	C	1	19	19	19	19	19	3	19	19	1	1	19	19	19	19	19	1	19	1	19	19	19	19	19
	B	4	19	4	19	1	19	1	19	1	1	19	19	19	1	19	19	19	19	19	19	19	19	19	19
	A	19	1	1	1	1	1	1	1	1	1	19	19	19	19	19	19	1	19	1	19	1	1	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X84 SEE NOTE 10 LEAD FREE OPTION	E	4	-	-	-	3	3	4	4	3	4	3	4	4	2	2	2	2	4	4	4	4	2	2	2
	D	4	-	-	-	3	3	4	4	3	4	3	4	4	4	4	4	2	2	4	2	2	4	2	2
	C	4	-	-	-	3	3	4	4	3	4	3	4	4	2	2	4	2	2	4	2	2	4	2	2
	B	4	-	-	-	3	3	4	4	3	4	3	4	4	2	2	4	4	2	4	2	2	4	2	2
	A	4	-	-	-	3	3	4	4	3	4	3	4	4	2	2	4	2	2	4	2	2	4	2	2

3																										
METRAL P/N		CONTACT MOD. 1					MOD. 2					MOD. 3					MOD. 4									
ROW		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
85854-X85 SEE NOTE 10 LEAD FREE OPTION		E	1	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	-	1	-	1
		C	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-
		B	1	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1
		A	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X86 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	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	2	2	2	2	2	2	2	2	2	2	4	4
	B	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X87 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3	3	1	3	3	3	3	3	19	19	19	19	19	1	1
	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X88 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	D	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI			
litr	ecn no.	dr	date	linear	0.X ±0.3				COPY	www.fciconnect.com			
DG					0.XX ±0.13				projection	title			
					.XXX ±.051					METRAL SIGNAL HEADER			
				angles	0° ±2°					4 MOD, 5 ROW PRESS-FIT			
				dr	T.BRUNGARD 11/19/99				MIM	product family			
				engr	M.STRAWSE 11/19/99					METRAL			
				chr	M.STRAWSE 11/19/99				scale	size			
				appd	M.STRAWSE 02/29/00				1:1	dwg no			
sheet index	revision sheet									85854			
										code			
										213			
										sheet			
										13			

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X89 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	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X90 SEE NOTE 10 LEAD FREE OPTION	E	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	07	59	07	59	07	59
	D	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	07	59	07	59	07	59
	C	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	07	59	07	59	07	59
	B	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	07	59	07	59	07	59
	A	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	07	59	07	59	07	59

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
85854-X91 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	D	8	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6
	B	6	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X92 SEE NOTE 10 LEAD FREE OPTION	E	20	7	7	7	7	7	20	7	7	7	7	7	20	7	7	7	7	7	20	7	7	7	7	7
	D	20	7	7	7	7	7	20	7	7	7	7	7	20	7	7	7	7	7	20	7	7	7	7	7
	C	20	7	7	7	7	7	20	7	7	7	7	7	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	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	20	7	7	7	7	7	20	7	7	7	7	7

3																										
METRAL P/N		CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4						
ROW		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
85854-X93 SEE NOTE 10 LEAD FREE OPTION		E	19	3	3	3	3	3	19	3	3	3	3	3	19	3	3	3	3	3	19	3	3	3	3	3
		D	19	3	3	3	3	3	19	3	3	3	3	3	19	3	3	3	3	3	19	3	3	3	3	3
		C	19	3	3	3	3	3	19	3	3	3	3	3	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	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	19	3	3	3	3	3	19	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X94 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6	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	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	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	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	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
85854-X95 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	1	19	1	2	2	1	2	2	2	2	2	19	19	2	4	4	2	1
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	19	2	4	4	2	1
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	19	2	4	4	2	1
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	19	2	4	4	2	1
	A	2	2	2	2	2	1	2	1	2	2	2	2	2	2	2	2	19	19	2	4	4	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X96 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	C	19	2	2	2	2	2	2	2	2	2	2	2	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	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	2	2	2	2	2	2	2	2	2	2	2	2

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
litr		ecn no.		date		COPY		www.fciconnect.com	
DG						projection		title	
						angles		METRAL SIGNAL HEADER	
						dr		4 MOD, 5 ROW PRESS-FIT	
						enrg		product family	
						chr		METRAL	
						appd		size	
								dwg no	
								85854	
								code	
								213	
								sheet	
								14	
sheet index		revision sheet							

cage code 22526

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X97 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	1	2	
	D	2	2	2	2	2	2	2	2	2	2	2	2	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	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	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X98 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	2	2	3	1	3	3	2	2	2	3	3	4	2	4	3	4	3	3	3	3
	D	3	3	3	3	2	2	3	1	3	3	2	2	2	3	3	4	2	4	3	4	3	3	3	3
	C	3	3	3	3	2	2	3	1	3	3	1	2	2	3	3	4	4	4	4	4	3	3	3	3
	B	3	3	3	3	2	2	3	1	3	3	2	2	2	3	3	4	2	4	3	4	3	3	3	3
	A	3	3	3	3	2	2	3	1	3	3	2	2	2	3	3	4	2	4	3	4	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X99 SEE NOTE 10 LEAD FREE OPTION	E	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4
	D	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4
	C	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	B	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4
	A	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4

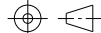
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X100 SEE NOTE 10 LEAD FREE OPTION	E	3	3	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8
	D	3	3	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8
	C	3	3	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	B	3	3	6	8	6	8	6	8	6	8	6	8	6	8	6	8	6	8	6	8	6	8	6	8
	A	3	3	6	8	6	8	6	8	6	8	6	8	6	8	6	8	6	8	6	8	6	8	6	8

3																								
METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
85854-X101 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	2	1	1	2	2	1	1	1	1	2	2	2	2	1	2
	D	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X102 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
85854-X103 SEE NOTE 10 LEAD FREE OPTION	E	5	5	6	5	5	5	5	5	6	5	5	5	5	6	5	6	5	5	5	6	5	6	6	5
	D	5	5	6	5	5	5	5	5	6	5	5	5	5	6	6	5	5	5	6	5	5	6	6	5
	C	5	5	6	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	5	6	5	6	6	5
	B	5	5	6	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	6	5	6	6	5
	A	5	5	6	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	6	5	6	6	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X104 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	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2

mat'l code				- -		tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com													
ltr	ecm no.	dr	date	linear		0.X ±0.3		COPY				title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT													
DG						0.XX ±0.13		projection																	
						.XXX ±.051																			
						angles 0° ±2°																			
				dr		T.BRUNGARD 11/19/99				product family		METRAL		code											
				enrg		M.STRAWER 11/19/99				size		dwg no		213											
				chr		M.STRAWER 11/19/99				scale		85854		sheet											
				appd		M.STRAWER 02/29/00				1:1		A		15											
sheet index		revision sheet																							

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cage code 22526

4



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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
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85854-X105 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	D	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	3	3	3
	C	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	3	3	3	3
	B	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	2	1	3	3	3	3	3
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X106 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4
	D	3	3	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4
	C	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	B	3	3	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4
	A	3	3	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X107 SEE NOTE 10 LEAD FREE OPTION	E	7	20	7	20	7	20	7	20	20	5	5	20	20	20	20	5	20	5	20	20	20	20	20	20
	D	8	20	7	20	7	20	7	20	20	5	5	20	20	8	20	5	20	5	20	20	5	20	5	20
	C	5	20	20	20	20	20	7	20	20	5	5	20	20	20	20	5	20	5	20	20	20	20	20	20
	B	8	20	8	20	5	20	5	20	5	5	20	20	5	20	20	20	20	20	20	20	20	20	20	20
	A	20	5	5	5	5	5	5	5	5	5	20	20	20	20	20	20	5	20	5	20	5	5	20	20

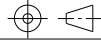
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X108 SEE NOTE 10 LEAD FREE OPTION	E	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6
	D	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-
	C	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6
	B	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					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
85854-X109 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	-
	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	-
	A	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
85854-X110 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
85854-X111 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
85854-X112 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6

mat'l code				- -		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear		0.X ±0.3		COPY			
DG						0.XX ±0.13		projection			
						.XXX ±.051					
						angles 0° ±2°					
				dr		T.BRUNGARD 11/19/99				product family METRAL	
				engr		M.STRAWER 11/19/99		scale		size	
				chr		M.STRAWER 11/19/99		1:1		dwg no	
				appd		M.STRAWER 02/29/00				85854	
sheet index		revision sheet								code	
										213	
										sheet 16	

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X113 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	D	4	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X114 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	D	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	4	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X115 SEE NOTE 10 LEAD FREE OPTION	E	8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	D	8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	C	8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	B	8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	A	8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X116 SEE NOTE 10 LEAD FREE OPTION	E	2	4	4	2	19	6	6	6	6	2	19	2	2	2	6	6	6	6	6	6	2	1	2	
	D	2	4	4	2	19	6	6	6	6	2	19	2	2	2	6	6	6	6	6	6	6	2	3	2
	C	2	4	4	2	19	6	6	6	6	2	19	2	2	2	6	6	6	6	6	6	6	2	2	2
	B	2	4	4	2	19	6	6	6	21	6	2	19	2	2	2	6	6	6	6	21	6	2	2	2
	A	2	4	4	2	19	6	6	6	6	6	2	19	2	2	2	6	6	6	6	6	6	6	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X117 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	6	6	6	2	6	2	2	2	2	2	2	6	6	6	6	6	2	2	2	2	2
	D	2	2	2	6	6	6	2	6	2	2	2	2	2	2	6	6	6	6	6	2	2	2	2	2
	C	2	2	2	6	6	6	2	6	2	2	2	2	2	2	6	6	6	6	6	2	2	2	2	2
	B	2	2	2	6	6	6	21	6	2	2	2	2	2	2	2	6	6	6	6	21	6	2	2	2
	A	2	2	2	6	6	6	2	6	2	2	2	2	2	2	2	6	6	6	6	6	2	2	2	2

mat'l code				- -		tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com	
lfr	ecn no.	dr	date			linear	0.X ±0.3	COPY		projection		title	
DG							0.XX ±0.13					METRAL SIGNAL HEADER	
							.XXX ±.051					4 MOD. 5 ROW PRESS-FIT	
						angles	0° ±2°					product family	
						dr	T.BRUNGARD 11/19/99			scale		METRAL	
						enrg	M.STRAWER 11/19/99			size		code	
						chr	M.STRAWER 11/19/99			A		213	
						appd	M.STRAWER 02/29/00			sheet		17	
sheet		revision											
index		sheet											

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B



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REV E - 2006-04-18

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X123 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	3	3
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X124 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	3	3
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X125 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6	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	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	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	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	6	6	6	6	6	6	6	6	6	6	6	6
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X126 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X127 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	1	2	2	2	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	2	2	2	2	2	1	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2

mat

lfr

DG

mat'l code				tolerances unless otherwise specified	
lfr	ecn no.	dr	date	linear	0.X ±0.3
DG					0.XX ±0.13
					.XXX ±.051
				angles	0° ±2°
				dr	T.BRUNGARD 11/19/99
				enrg	M.STRAWER 11/19/99
				chr	M.STRAWER 11/19/99
				appd	M.STRAWER 02/29/00
sheet	revision				
index	sheet				

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
85854-X128 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	64	-	64	-	64	-	64	-	64	-	64	-	64	-	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	-	64
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
85854-X129 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	3	3	
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
85854-X130 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	
	D	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	
	C	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
85854-X131 SEE NOTE 10 LEAD FREE OPTION	E	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	3	3	3	3	
	D	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	C	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	B	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	A	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
85854-X132 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	-	
	C	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	
	B	-	2	-	-	2	-	-	2	-	-	2	-	4	-	2	-	-	2	-	-	2	-	-	4	
	A	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	
tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT																						
0.X ±0.3		COPY																								
0.XX ±0.13		projection																								
.XXX ±.051																										
0° ±2°				product family		METRAL										code										
T. BRUNGARD 11/19/99				size		dwg no		85854										213								
M. STRAWER 11/19/99		scale		A														sheet								
M. STRAWER 11/19/99		1:1																18								
M. STRAWER 02/29/00																										



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REV E - 2006-04-18

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X133 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	2	2	2	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	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	1	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X134 SEE NOTE 10 LEAD FREE OPTION	E	2	1	2	1	1	3	1	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1
	D	2	1	2	1	1	3	1	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1
	C	2	1	2	1	1	3	1	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1
	B	2	1	2	1	1	3	1	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1
	A	2	1	2	1	1	3	1	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X135 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	7	7	20	7	7	8	7	20	
	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	7	7	20	7	7	8	7	20	
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	7	7	20	7	7	8	7	20	
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	7	7	20	7	7	8	7	20	
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	7	7	20	7	7	8	7	20

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X136 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	19	3	3	4	3	19	
	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	19	3	3	4	3	19	
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	19	3	3	4	3	19	
	B	3	3	3	4	4	4	4	4	4	4	4	4	4	4	19	3	3	19	3	3	4	3	19	
	A	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	19	3	3	4	3	19	

mat'l code				- -		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
litr	ecn no.	dr	date	linear	0. X ±0.3		COPY		title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT		
DG					0. XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°				product family METRAL code 213 sheet 19		
				dr	T.BRUNGARD	11/19/99	MM				
				enrg	M.STRAWSE	11/19/99					
				chr	M.STRAWSE	11/19/99	scale		size A dwg no 85854		
				appd	M.STRAWSE	02/29/00	1:1				
sheet index		revision sheet									

cage code 22526

Pro/E

3

4



PRODUCT NUMBER
85854-XXX OR 85854-YYYY
85854-XXYLF OR 85854-XXYYLF

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:
85854-XXX IS SnPb
85854-XXYLF 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.

PLATING IN CONTACT AREA		NOTES
DASH NUMBER	PERFORMANCE LEVEL	
-PYY OR -PYYY	0.25 um GOLD MIN.	-
-NIYY OR -NIYYY	TELCORDIA CO (NXT)	-
-NSYY OR -NSYYY	TELCORDIA UE (NXT)	-
-IYY OR -IYYY	TELCORDIA CO	-
-2YY OR -2YYY	TELECOM CLASS	-
-3YY OR -3YYY	IEC CLASS I	-
-5YY OR -5YYY	TELCORDIA UE	-
-NIYYLF OR -NIYYLFF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-NSYYLF OR -NSYYLFF	TELCORDIA UE (NXT)	SEE NOTE 9
-IYYLF OR -IYYLFF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF OR -2YYLFF	TELECOM CLASS	SEE NOTE 9
-5YYLF OR -5YYLFF	TELCORDIA UE	SEE NOTE 9

10. FOR LEAD FREE PART NUMBERS ADD AN "LF" SUFFIX..
EXAMPLE: 85854-X0ILF

mat'l code				- -		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com		
litr	ecn no.	dr	date	linear	0.X ±0.3			COPY		title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT		
DG					0.XX ±0.13			projection 				
					.XXX ±.051							
				angles	0° ±2°			 MM scale 1:1		product family METRAL		code
				dr	T.BRUNGARD 11/19/99					size	dwg no	213
				engr	M.STRAWSER 11/19/99					A	85854	sheet 20
				chr	M.STRAWSER 11/19/99							
				appd	M.STRAWSER 02/29/00							
sheet index	revision sheet											

cage code 22526