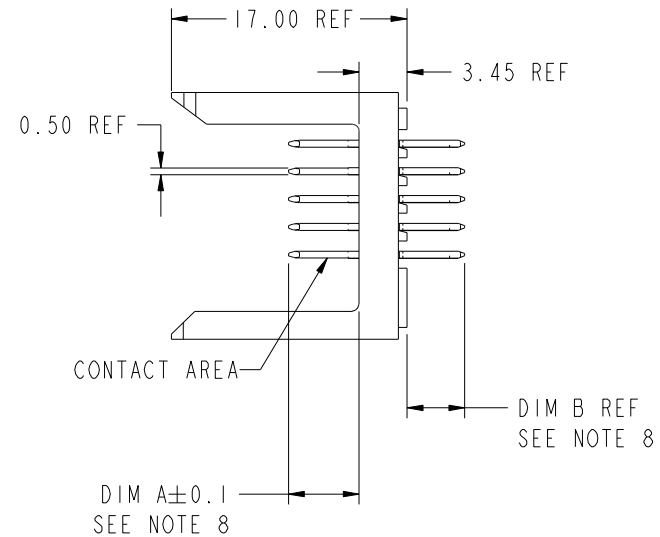
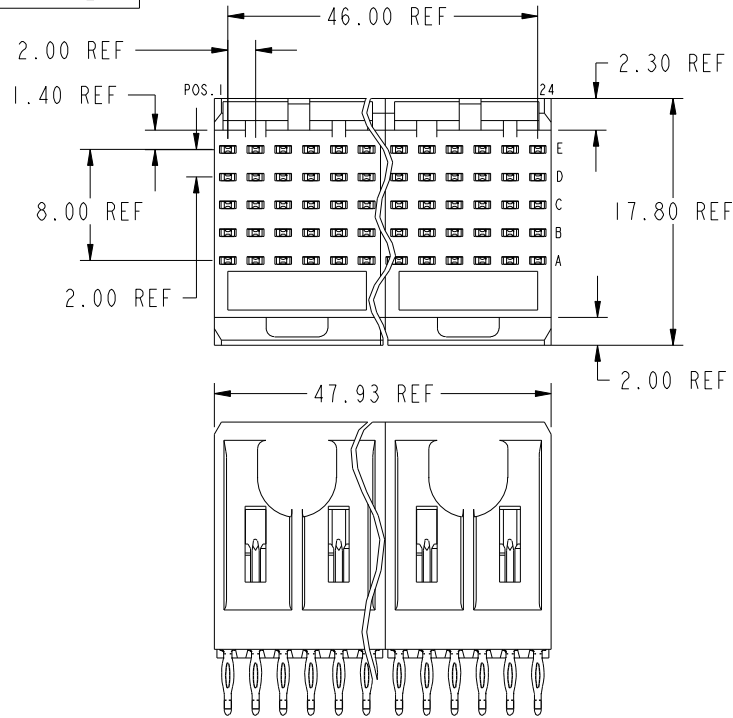




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PRODUCT NUMBER
85854-XXX OR 85854-YYYY
85854-XXYLF OR 85854-XXYYLF



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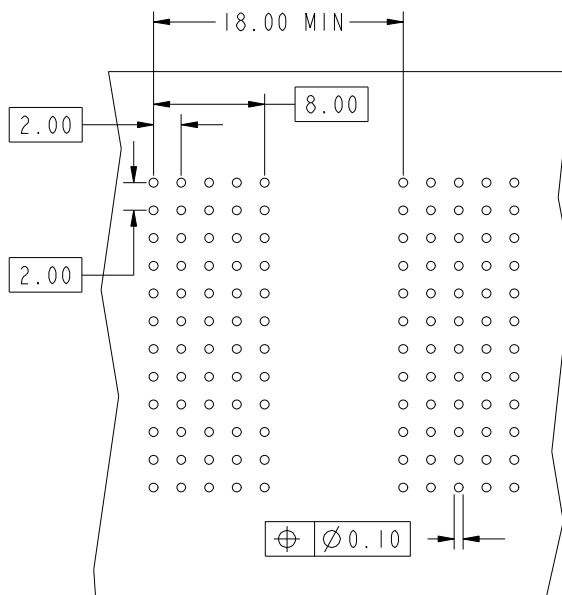


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REV E - 2006-04-18

A

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

A

B

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

Pro/E

3 |

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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-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 METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT					
DG						0.XX ±0.13		projection									
				angles		.XXX ±.051				product family METRAL		code 213					
						0° ±2°								scale			
				dr		T.BRUNGARD 11/19/99				size A		dwg no 85854		sheet 3			
				enrg		M.STRAWER 11/19/99											
				chr		M.STRAWER 11/19/99											
				appd		M.STRAWER 02/29/00											
sheet index		revision sheet															

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°	MIM	scale	product family	
				dr	T.BRUNGARD 11/19/99			METRAL	
				enrg	M.STRAWSE 11/19/99			code	
				chr	M.STRAWSE 11/19/99	1:1	A	size	
				appd	M.STRAWSE 02/29/00			dwg no	
sheet	revision							85854	
index	sheet							213	
								sheet	
								4	

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-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	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	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	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	1	3	1
	A	3	1	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	projection	COPY	www.fciconnect.com	
DG					0.XX ±0.13			title	
					.XXX ±.051			METRAL SIGNAL HEADER	
				angles	0° ±2°	MIM	scale	product family	
				dr	T.BRUNGARD 11/19/99			METRAL	
				engr	M.STRAWSE 11/19/99			code	
				chr	M.STRAWSE 11/19/99	1:1	A	size	
				appd	M.STRAWSE 02/29/00			dwg no	
sheet	revision							85854	
index	sheet							213	
								sheet	
								5	
								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-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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2
	C	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	2	2	2	2
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2
	A	-	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-X27 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
	C	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	6	6	6	6
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	6
	A	-	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-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	3	3	3

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	www.fciconnect.com	
DG					0.XX ±0.13				
					.XXX ±.051				
					angles 0° ±2°				
				dr	T.BRUNGARD 11/19/99	MIM	scale	product family	
				engr	M.STRAWER 11/19/99			METRAL	
				chr	M.STRAWER 11/19/99			size	dwg no
				appd	M.STRAWER 02/29/00			A	85854
sheet	revision								code
index	sheet								213
									sheet
									6

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-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	3	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	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	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	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	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	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

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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-X37 SEE NOTE 10 LEAD FREE OPTION		E	4	4	4	4	4	4	4	4	4	4	4	4	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	4	4	4	4	4	4	4	4	4	4	4	4
		C	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		B	4	4	4	4	4	4	4	4	4	4	4	4	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	4	4	4	4	4	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-X38 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	19	4
	D	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	4	4	4	4	4	4	4	4	4	4	4	4	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	4	4	4	4	4	4	4	1	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-X39 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	3
	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	19	3	3	3	3	3	3	19	3
	B	3	19	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	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	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-X40 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
	D	2	2	2	2	2	2	2	2	2	2	2	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

mat'l code				- -				tolerances unless otherwise specified				CUSTOMER								www.fciconnect.com			
litr	ecn no.		dr	date	linear	0.X ±0.3				COPY													
DG						0.XX ±0.13				projection													
						.XXX ±.051																	
					angles	0° ±2°								title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT									
					dr	T.BRUNGARD 11/19/99								product family				METRAL				code	
					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				1 : 1				A				7					
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-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	2	2	2	2	2	2	2	2	2	2	2	2	2
	D	1	1	1	1	1	1	1	1	1	1	1	2	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

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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	
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	
	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	2	2	2	2	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	
	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
85854-X54 SEE NOTE 10 LEAD FREE OPTION	E	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	19	20	21	22	23
	D	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1
	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	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-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
	D	2	2	2	2	2	2	2	2	2	3	3	-	-	3	3	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
	B	2	2	2	2	2	2	2	2	2	3	3	-	-	3	3	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

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-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
	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

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI	
- -								COPY		www.fciconnect.com	
litr	ecn no.	dr	date	linear	0.X ±0.3			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				METRAL		
				engr	M.STRAWSE 11/19/99			size	dwg no		
				chr	M.STRAWSE 11/19/99			scale	85854		
				appd	M.STRAWSE 02/29/00			1:1	sheet		
sheet	revision								cage code		
index	sheet								22526		

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A

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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-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	
lfr	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		
				engr	M.STRAWER 11/19/99				METRAL		
				chr	M.STRAWER 11/19/99						
				appd	M.STRAWER 02/29/00		scale		size	dwg no	code
							1 : 1		A	85854	213 sheet 10
sheet index	revision sheet										

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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-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	3	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				COPY													
DG						0.XX ±0.13				projection													
						.XXX ±.051																	
					angles	0° ±2°								title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT									
					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				85854	
					appd	M.STRAWER 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-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 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-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	-	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-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
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
	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	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
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	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

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	24
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	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	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	8	6	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	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	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-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	24
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	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	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	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	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	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	
						linear		METRAL SIGNAL HEADER	
						0.X ±0.3		4 MOD, 5 ROW PRESS-FIT	
						0.XX ±0.13			
						.XXX ±.051			
						angles			
						0° ±2°			
						dr		product family	
						T.BRUNGARD 11/19/99		METRAL	
						enrg		size	
						M.STRAWSE 11/19/99		dwg no	
						chr		85854	
						M.STRAWSE 02/29/00		sheet	
						scale		14	
						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-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

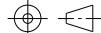
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X100 SEE NOTE 10 LEAD FREE OPTION	E	3	3	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8
	D	3	3	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8
	C	3	3	8	8	8	8	8	8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

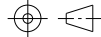
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X108 SEE NOTE 10 LEAD FREE OPTION	E	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6
	D	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-
	C	-	6	-	6	-	6	-	6	-	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.STRAWSE 11/19/99		scale		size	
				chr		M.STRAWSE 11/19/99		1:1		dwg no	
				appd		M.STRAWSE 02/29/00				85854	
sheet index		revision sheet								code 213	
										sheet 16	

cage code 22526

Pro/E

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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	2	19	2	2	2	6	6	6	6	6	6	6	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-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			
DG					0.XX ±0.13	projection		title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT	
					.XXX ±.051				
				angles	0° ±2°	product family METRAL			
				dr	T.BRUNGARD 11/19/99				
				engr	M.STRAWER 11/19/99	size dwg no 85854			
				chr	M.STRAWER 11/19/99			scale 1:1	
				appd	M.STRAWER 02/29/00	sheet 17			
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-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	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	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'l code				tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com					
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY				title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT					
DG					0.XX ±0.13	projection									
					.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	scale		size	dwg no	213					
				appd	M.STRAWER 02/29/00										
sheet		revision						A	85854	sheet					
index		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-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	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
				dr	T.BRUNGARD	11/19/99				size	dwg no	213	sheet
				enrg	M.STRAWSER	11/19/99							
				chr	M.STRAWSER	11/19/99							
				appd	M.STRAWSER	02/29/00	scale		1:1	A	85854		19
sheet index		revision sheet											

Pro/E

cage code 22526



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.)-N1--- 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.)-N1---
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 -NIYYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-NSYYLF OR -NSYYLF	TELCORDIA UE (NXT)	SEE NOTE 9
-IYYLF OR -IYYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF OR -2YYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF OR -5YYLF	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°				product family METRAL			code		
				dr	T.BRUNGARD 11/19/99				size			dwg no 85854		
				enrg	M.STRAWSER 11/19/99									
				chr	M.STRAWSER 11/19/99		scale		A			sheet 20		
				appd	M.STRAWSER 02/29/00									
sheet index	revision sheet													

cage code 22526