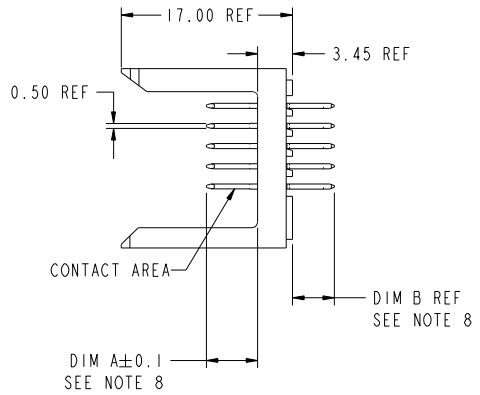
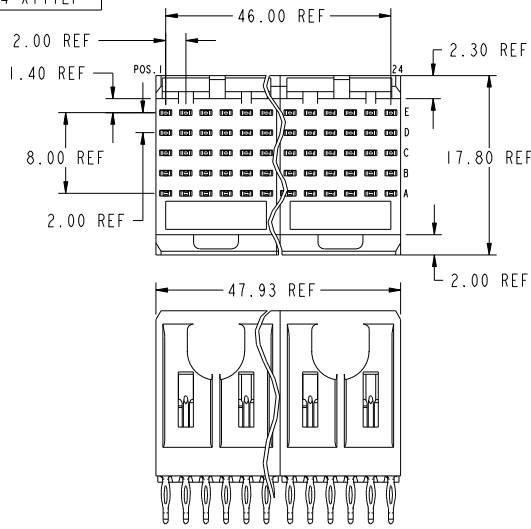


PRODUCT NUMBER  
 85854-XYX  
 OR  
 85854-XYXX  
 85854-XYXLF  
 OR  
 85854-XYXXLF



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mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY	www.fciconnect.com		
DE	V06-0492	DCH	2006-05-23		0.XX ±0.13	projection		title METRAL SIGNAL HEADER	
DF	DG07-0487	Cenh	12/05/07	angles	.XXX ±.051	MM		4 MOD, 5 ROW PRESS-FIT	
DG	DG09-0344	TER	2009-11-10	of	0 ±2°	scale		product family	code
DB	V04-0353	DAI	05/04/04	eng	I.BRINGARD 11/19/99	2:1	A	METRAL	213
DC	V04-0560	HTB	06/01/04	chr	M.STRAMSER 11/19/99			size	dwg no
DD	V04-1100	DAI	01/26/05	opcd	M.STRAMSER 02/29/00			85854	1 of 20
sheet index	revision sheet	DG	1	DG	20				

REV C - 2008-04-10

Pro/E

cage code 22526

PDM: Rev:DG

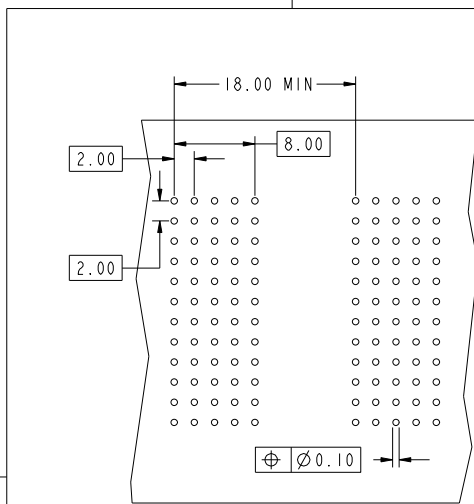
STATUS:Released

Printed: Nov 11, 2009



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REV: 2008-11-10



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

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

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY		title		
DG					0.XX ±0.13	MM	METRAL		METRAL SIGNAL HEADER		
				angles	.XXX ±.051	MM	4 MOD, 5 ROW PRESS-FIT		code		
				dr	0° ±2°	MM	METRAL		213		
				eng	I.BRINGARD 11/19/99	MM	METRAL		85854		
				chr	M.STRAMSER 11/19/99	MM	METRAL		2		
				appd	M.STRAMSER 02/29/00	MM	METRAL		2		
sheet index	revision sheet								code		
									22526		

Pro/E

code 22526

PDM: Rev:DG

STATUS:Released

Printed: Nov 11, 2009



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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-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	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-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	3	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	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-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	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	19	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	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-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	1	1	19	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

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-X05 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	19	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	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-X06 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	D	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	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	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-X07 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	D	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	C	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	B	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	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	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-X08 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	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

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER		
DG				angles	0.XX ±0.13	MM		4 MOD, 5 ROW PRESS-FIT			
				dr	.XX ±.051	scale		product family	METRAL		
				eng	0 ±.2	1:1		size	code		
				chr	I.BRINGARD 11/11/99			85854	213		
				appd	M.STRAMSER 11/11/99			sheet	3		
sheet index	revision sheet				M.STRAMSER 02/29/00						

REV. 1 - 200-11-10

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	2	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-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	2	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-X13 SEE NOTE 10 LEAD FREE OPTION	E	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	D	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	C	3	2	1	1	1	1	1	1	1	3	1	1	1	1	3	1	1	1	1	1	1	1	1	2
	B	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	A	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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-X14 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	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-X15 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	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-X16 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

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3	projection	1st angle	title	METRAL SIGNAL HEADER		
DG				angles	0.XX ±0.13	MM	product family	4 MOD, 5 ROW PRESS-FIT			
				dr	0.XXX ±.051	scale	size	METRAL code			
				eng	0" ±.2"	1:1	dwg no	213			
				chr	I.BRINGARD 11/19/99			85854			
				appd	M.STRAMSER 11/19/99			sheet			
sheet index	revision				M.STRAMSER 02/29/00			4			

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1 | 2

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3 |

cage code 22526

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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-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	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	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	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	1	1
A	3	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	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-X18 SEE NOTE 10 LEAD FREE OPTION	E	6	7	6	7	6	7	6	7	6	7	6	7	6	7	6	7	6	7	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	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	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	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	6	6	

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-X19 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
	D	-	-	-	-	-	-	-	-	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
	B	-	-	-	-	-	-	-	-	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	

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-X20 SEE NOTE 10 LEAD FREE OPTION	E	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9
	D	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9
	C	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9
	B	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9
A	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	4	9	

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-X21 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	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	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	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	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	4	4	

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-X22 SEE NOTE 10 LEAD FREE OPTION	E	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2
	D	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2
	C	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2
	B	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2
A	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	5	2	

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-X23 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	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	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	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	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	2	2	

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-X24 SEE NOTE 10 LEAD FREE OPTION	E	-	2	-	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	-	2
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com		
ltr	ecm no.	dr	date	linear	0.X ±0.3	projection	title	METRAL SIGNAL HEADER				
DG				angles	0.XX ±0.13	MM	4 MOD, 5 ROW PRESS-FIT					
				dr	.XXX ±.051	scale	product family	METRAL				
				eng	0" ±.2"	1:1	size	dwg no	85854			
				chr	I.BRINGARD 11/11/99		code	213				
				appd	M.STRANSER 11/11/99		sheet	5				
sheet index	revision sheet				M.STRANSER 02/29/00							

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Pro/E

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cage code 22526

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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-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
	A	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6
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
	A	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2
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
	A	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6
85854-X28 SEE NOTE 10 LEAD FREE OPTION	E	9	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	D	9	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	C	9	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	A	1	3	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	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-X29 SEE NOTE 10 LEAD FREE OPTION	E	5	7	6	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	7	7	5	
	D	5	7	6	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	6	7	7	5
	C	5	7	6	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	6	7	7	5
	A	5	7	6	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	6	7	7	5
85854-X30 SEE NOTE 10 LEAD FREE OPTION	E	1	3	2	2	2	2	2	2	2	2	2	2	1	3	2	2	2	2	2	2	2	2	2	3	3	1
	D	1	3	2	2	2	2	2	2	2	2	2	2	1	3	2	2	2	2	2	2	2	2	2	3	3	1
	C	1	3	2	2	2	2	2	2	2	2	2	2	1	3	2	2	2	2	2	2	2	2	2	3	3	1
	A	1	3	2	2	2	2	2	2	2	2	2	2	1	3	2	2	2	2	2	2	2	2	2	3	3	1
85854-X31 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	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	-	2	2
	A	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	2
85854-X32 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
	C	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	-

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3	projection	title	METRAL SIGNAL HEADER	
DG				angles	0.XX ±0.13		4 MOD, 5 ROW PRESS-FIT		
				dr	.XX ±.051		product family	METRAL	
				eng	0' ±2"	scale	size	dwg no	code
				chr	I.BRINGARD 11/19/99	1:1	85854	213	
				appd	M.STRAMSER 11/19/99			sheet	
sheet index	revision sheet				M.STRAMSER 02/29/00			6	

REV: 200-04-10

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cage code 22526

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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
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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
C	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
B	2	2	2	2	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	2	3	3	2	2

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
E	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	4
C	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	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
A	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	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
E	4	4	3	3	3	3	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3
D	4	4	3	3	3	3	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3
C	4	4	3	3	3	3	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3
B	4	4	3	3	3	3	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3
A	4	4	3	3	3	3	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	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
E	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4
D	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4
C	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4
B	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4
A	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4

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
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	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	4	4	4	4	4

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
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	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	4	4	4	4	4

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
E	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
D	3	3	3	3	3	3	3	3	3	3	3	3	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	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	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
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	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		FCJ		www.fcjconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3	projection	title	METRAL SIGNAL HEADER			
DG				angles	0.XX ±0.13	MM	4 MOD, 5 ROW PRESS-FIT				
				dr	.XXX ±.051	scale	product family	METRAL			
				eng	0" ±.2"	1:1	size	code			
				chr	I.BRINGARD 11/11/99		dwg no	213			
				appd	M.STRANSER 11/11/99		85854	sheet			
					M.STRANSER 11/11/99			7			
sheet index	revision sheet				M.STRANSER 02/29/00						

REV: 200-04-10

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Pro/E

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code code 22526

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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-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	1	1	2	2	2	1	1	2	2	2	2	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

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-X45 SEE NOTE 10 LEAD FREE OPTION	E	4	19	4	19	4	19	4	19	3	3	19	19	19	19	3	19	3	19	3	19	3	19	3	19
	D	4	19	4	19	4	19	4	19	3	3	19	19	19	19	3	19	3	19	3	19	3	19	3	19
	C	19	19	19	19	19	4	19	19	3	3	19	19	19	19	3	19	3	19	3	19	3	19	3	19
	B	3	19	3	19	3	19	3	19	3	3	19	19	19	19	3	19	3	19	3	19	3	19	3	19
	A	19	3	3	3	3	3	3	3	3	3	19	19	19	19	3	19	3	19	3	19	3	19	3	19

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
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
	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	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	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
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
	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	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	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
	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	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
85854-X43 SEE NOTE 10 LEAD FREE OPTION	E	-	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
	C	-	-	-	5	5	-	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	-	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

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
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	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
85854-X44 SEE NOTE 10 LEAD FREE OPTION	E	8	20	8	20	8	20	8	20	7	7	20	20	20	20	7	20	7	20	7	20	7	20	7
	D	8	20	8	20	8	20	8	20	7	7	20	20	20	20	7	20	7	20	7	20	7	20	7
	C	20	20	20	20	20	8	20	20	7	7	20	20	20	20	7	20	7	20	7	20	7	20	7
	B	7	20	7	20	7	20	7	20	7	7	20	20	20	20	7	20	7	20	7	20	7	20	7
	A	20	7	7	7	7	7	7	7	7	20	20	20	20	20	7	20	7	20	7	20	7	20	7

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
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	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	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

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3 0.XX ±0.13 .XXX ±.051 Ø ±.2"	projection	title	product family	METRAL	code	213
DG				angles		⊕	METRAL SIGNAL HEADER	size	4 MOD, 5 ROW PRESS-FIT	sheet	8
				dr	T.BRINGARD 11/19/99	MM		scale	85854		
				eng	M.STRAMSER 11/19/99						
				chr	M.STRAMSER 11/19/99						
				appd	M.STRAMSER 02/29/00						
sheet index	revision sheet										

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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-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	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	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-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	
	D	3	1	1	1	1	1	1	1	1	1	1	3	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	1	1	1	1
	B	3	1	1	1	1	1	1	1	1	1	1	3	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	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
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
	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	4	4	4	4	4	4	4	4	4	4	4	1	1	1	1	1	1	1	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
	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	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
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
	D	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	1	1	2	2	2	1	1	2	2	2	1	1	2	2	1	1	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	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
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	1	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	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
85854-X54 SEE NOTE 10 LEAD FREE OPTION	E	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1
	D	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1
	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-

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
85854-X55 SEE NOTE 10 LEAD FREE OPTION	E	2	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	2	3	3	-	3	3	2	2	2	2	2	2	2	2
	C	2	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	2	2	3	3	-	3	3	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	19	19	-	19	19	2	2	2	2	2	2	2	2

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
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	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
	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		www.fcjconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3	projection	title	METRAL SIGNAL HEADER	
DG				angles	0.XX ±0.13	⊕	4 MOD, 5 ROW PRESS-FIT	METRAL code	
				dr	.XX ±.051	MM	product family	213	
				eng	0 ±.2	←	size	85854	
				chr		scale	dwg no	9	
				appd		1:1	A		
sheet index	revision sheet								

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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-X57 SEE NOTE 10 LEAD FREE OPTION	E	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-	1	1
	D	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-	1	1
	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	B	-	-	-	-	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	2

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-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	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	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

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-X59 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	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

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-X61 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	2	2	2	2	4	2	2	2	2	1	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	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-X62 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	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	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	1	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	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-X63 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	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	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

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		www.fcjconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3	projection	title	METRAL SIGNAL HEADER	
DG				angles	0.XX ±0.13	MM	4 MOD, 5 ROW PRESS-FIT		
				dr	.XX ±.051	scale	product family	METRAL	
				eng	0" ±2"	1:1	size	dwg no	code
				chr	I.BRINGARD 11/11/99		85854	213	
				appd	M.STRAMSER 11/11/99			sheet	10
sheet index	revision sheet				M.STRAMSER 02/29/00				

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Pro/E

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cage code 22526

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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
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	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
	C	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
A	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	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
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
	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	-	-
A	2	-	2	-	-	2	2	-	-	2	2	-	-	2	2	-	-	-	2	2	-	-	2	2

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
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
	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	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
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	4
	D	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	4
	B	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	4	

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
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
	D	4	2	2	2	2	2	2	2	2	2	2	2	4	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	4	2	2	2	2	2	2	2	2	2	2	2	4	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	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
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	4
	D	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	4
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	

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
85854-x71 SEE NOTE 10 LEAD FREE OPTION	E	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6
	D	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6
	C	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6
	B	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6
A	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	

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
85854-x72 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		www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3	projection	title	METRAL SIGNAL HEADER	
DG				angles	0.XX ±0.13	⊕	4 MOD, 5 ROW PRESS-FIT		
				dr	.XX ±.051	MM	product family	METRAL	
				eng	0" ±2"	←	size	dwg no	
				chr		scale	85854		code
				appd		1:1			213
sheet index	revision sheet								sheet
									11

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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	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	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	2	3	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-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
	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	1	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
85854-x75 SEE NOTE 10 LEAD FREE OPTION	E	3	1	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	D	3	1	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	1	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	1	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	1	9	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-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	
	D	1	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3
	C	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3
	B	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	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-x77 SEE NOTE 10 LEAD FREE OPTION	E	2	-	-	-	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	
	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	2	2
	C	2	-	4	-	2	-	2	-	2	-	2	-	2	-	4	-	2	-	2	-	2	4	4	4
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4	1
	A	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	4	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-x78 SEE NOTE 10 LEAD FREE OPTION	E	1	1	2	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1
	D	1	1	2	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1
	C	1	1	2	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1
	B	1	1	2	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1
	A	1	1	2	1	1	1	1	1	2	1	1	1	1	2	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-x79 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	1	1	1	1	1	1	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	2	2	2	2	2	2
	B	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	1	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-x80 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	D	2	2	2	1	1	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2
	C	1	1	1	3	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2
	B	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	1	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.fcjconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3 0.XX ±0.13 .XX ±.051 0' ±.2"	projection	title	product family	code
DG				angles			METRAL SIGNAL HEADER	size	213
				dr	I.BRINGARD 11/19/99		4 MOD, 5 ROW PRESS-FIT	dwg no	85854
				eng	M.STRAMSER 11/19/99	scale		sheet	12
				chr	M.STRAMSER 11/19/99				
				appd	M.STRAMSER 02/29/00				
sheet index	revision sheet								

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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-X81 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	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	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	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	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	2	2

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-X82 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	2	2
	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	2	2
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	2	2

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-X83 SEE NOTE 10 LEAD FREE OPTION	E	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19		
	D	4	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19		
	C	1	19	19	19	19	3	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19		
	B	4	19	4	19	1	19	1	19	1	19	1	19	1	19	1	19	1	19	1	19	1	19	1	19	1	19	1	19
	A	19	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	1	

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-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	4	2	2	2	2
	D	4	-	-	-	3	3	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	C	4	-	-	-	3	3	4	4	3	4	3	4	4	2	2	2	2	4	4	4	4	4	2	2	2	2
	B	4	-	-	-	3	3	4	4	3	4	3	4	4	2	2	2	2	4	4	4	4	4	2	2	2	2
	A	4	-	-	-	3	3	4	4	3	4	3	4	4	2	2	2	2	4	4	4	4	4	2	2	2	2

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	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	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	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	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	1

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-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	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	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	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	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	2	2

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-X87 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	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	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	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	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	3	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-X88 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	5	5	5	5	5	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	5	5	5	5	5	5	5	5	5	5
	C	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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	5	5	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	5	5

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		www.fcjconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3 0.XX ±0.13 .XXX ±.051 Ø ±.2"	projection	title	product family	code
DG				angles		⊕	METRAL SIGNAL HEADER	size	213
				dr	T.BRINGARD 11/11/99	MM	4 MOD, 5 ROW PRESS-FIT	dwg no	85854
				eng	M.STRAMSER 11/11/99	scale		sheet	13
				chr	M.STRAMSER 11/11/99	1:1			
				appd	M.STRAMSER 02/29/00				
sheet index	revision sheet								

REV: 200-04-10

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Pro/E

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code code 22526

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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-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	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-X90 SEE NOTE 10 LEAD FREE OPTION	E	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9
	D	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9
	C	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9
	B	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9
	A	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9

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-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	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	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-X92 SEE NOTE 10 LEAD FREE OPTION	E	2	0	7	7	7	7	7	2	0	7	7	7	7	7	2	0	7	7	7	7	7	7	7	7
	D	2	0	7	7	7	7	7	2	0	7	7	7	7	7	2	0	7	7	7	7	7	7	7	7
	C	2	0	7	7	7	7	7	2	0	7	7	7	7	7	2	0	7	7	7	7	7	7	7	7
	B	2	0	7	7	7	7	7	2	0	7	7	7	7	7	2	0	7	7	7	7	7	7	7	7
	A	2	0	7	7	7	7	7	2	0	7	7	7	7	7	2	0	7	7	7	7	7	7	7	7

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	1	9	3	3	3	3	3	1	9	3	3	3	3	3	3	3	3	1	9	3	3	3	3	3
	D	1	9	3	3	3	3	3	1	9	3	3	3	3	3	3	3	3	1	9	3	3	3	3	3
	C	1	9	3	3	3	3	3	1	9	3	3	3	3	3	3	3	3	1	9	3	3	3	3	3
	B	1	9	3	3	3	3	3	1	9	3	3	3	3	3	3	3	3	1	9	3	3	3	3	3
	A	1	9	3	3	3	3	3	1	9	3	3	3	3	3	3	3	3	1	9	3	3	3	3	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-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	2	0	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	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-X95 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2

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-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	1	9	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.fcjconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3 0.XX ±0.13 .XX ±.051	projection	title	product family	code
DG				angles	0° ±2°		METRAL SIGNAL HEADER	size	213
				dr	I.BRINGARD 11/19/99		4 MOD, 5 ROW PRESS-FIT	dwg no	85854
				eng	M.STRAMSER 11/19/99	scale		sheet	14
				chr	M.STRAMSER 11/19/99				
				appd	M.STRAMSER 02/29/00				
sheet index	revision sheet								

REV: 200-14-10

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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-X97 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	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
	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	3	3	4	2	4	3	4	3	3	3	3	3
	D	3	3	3	3	2	2	3	1	3	3	2	2	3	3	4	2	4	3	4	3	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
	A	3	3	3	3	2	2	3	1	3	3	2	2	3	3	4	2	4	3	4	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
85854-X99 SEE NOTE 10 LEAD FREE OPTION	E	3	4	4	4	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4
	D	3	4	4	4	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
	A	2	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
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
	D	3	3	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7	8	7
	C	3	3	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	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

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	1	1	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	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
	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-X102 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	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-X103 SEE NOTE 10 LEAD FREE OPTION	E	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	D	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	C	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	A	5	5	6	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-X104 SEE NOTE 10 LEAD FREE OPTION	E	-	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	-	
	A	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		www.fcjconnect.com		
lfr	ecm no.	dr	date	linear	0.X ±0.3	projection	FCJ	title METRAL SIGNAL HEADER		
DG				angles	0.XX ±0.13	MM		4 MOD, 5 ROW PRESS-FIT		
				dr	0.XX ±.051	scale		product family	METRAL	code
				eng	0.XX ±.2	1:1		size	85854	213
				chr	I.BRINGARD 11/11/99			dwg no		sheet
				appd	M.STRANSER 11/11/99					15
sheet index	revision sheet				M.STRANSER 02/29/00					

REV: 200-04-00

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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-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	2	1	3	3	3	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	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-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	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-X107 SEE NOTE 10 LEAD FREE OPTION	E	7	20	7	20	7	20	7	20	7	20	7	20	7	20	7	20	7	20	7	20	7	20	7	20
	D	8	20	7	20	7	20	7	20	5	5	20	20	8	20	5	20	5	20	5	20	5	20	5	20
	C	5	20	20	20	20	7	20	20	5	5	20	20	20	20	5	20	5	20	5	20	5	20	5	20
	B	8	20	8	20	5	20	5	20	5	20	5	20	20	20	20	20	20	20	20	20	20	20	20	20
	A	20	5	5	5	5	5	5	5	5	20	20	20	20	20	5	20	5	20	5	20	5	20	5	20

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-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	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-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	-	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	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-X110 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	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	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-X112 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

mat'l code				tolerances unless otherwise specified				CUSTOMER				www.fcjconnect.com			
ltr	ecm no.	dr	date	linear	0.X ±0.3	projection	FCJ	COPY				title METRAL SIGNAL HEADER			
DG				angles	0.XX ±0.13	MM		product family				4 MOD, 5 ROW PRESS-FIT			
				dr	.XXX ±.051	scale		size				METRAL code			
				eng	0 ±.2	1:1		dwg no				213			
				chr	I.BRINGARD 11/19/99			85854				sheet			
				appd	M.STRANSER 11/19/99							16			
					M.STRANSER 11/19/99										
					M.STRANSER 02/29/00										
sheet index	revision sheet														

REV: 200-04-0

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Pro/E

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cage code 22526

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PRODUCT NUMBER
85854-XYX OR 85854-XYXX
85854-XYXLF OR 85854-XYXXLF

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-XYX IS SnPb  
85854-XYXLF 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: XXXX-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.

PLATING IN CONTACT AREA		NOTES
DASH NUMBER	PERFORMANCE LEVEL	
-PYX OR -PYYY	0.25 um GOLD MIN.	-
-N1YY OR -N1YYY	TELCORDIA CO (NXT)	-
-N5YY OR -N5YYY	TELCORDIA UE (NXT)	-
-1YY OR -1YYY	TELCORDIA CO	-
-2YY OR -2YYY	TELECOM CLASS	-
-3YY OR -3YYY	IEC CLASS I	-
-5YY OR -5YYY	TELCORDIA UE	-
-N1YYLF OR -N1YYYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-N5YYLF OR -N5YYYLF	TELCORDIA UE (NXT)	SEE NOTE 9
-1YYLF OR -1YYYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF OR -2YYYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF OR -5YYYLF	TELCORDIA UE	SEE NOTE 9

⑩ FOR LEAD FREE PART NUMBERS ADD AN "LF" SUFFIX.  
EXAMPLE: 85854-X01LF

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.



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ltr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER
DG					0.XX ±0.13	⊕		4 MOD, 5 ROW PRESS-FIT	
				angles	.XXX ±.051	MM	product family	METRAL	code
				dr	0 ±Z	←	size	dwg no	213
				eng		scale	A	85854	sheet
				chr	I.BRINGARD 11/19/99	1:1			20
				app	M.STRAMSER 11/19/99				
					M.STRAMSER 11/19/99				
					M.STRAMSER 02/29/00				
sheet index	revision sheet								

REV: 2008-04-08

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Pro/E

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cage code 22526

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PDM: Rev:DG

STATUS:Released

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