Excellent Integrated System Limited

Stocking Distributor

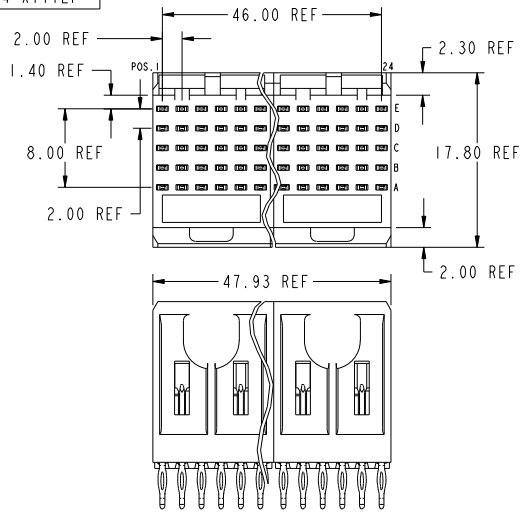
Click to view price, real time Inventory, Delivery & Lifecycle Information:

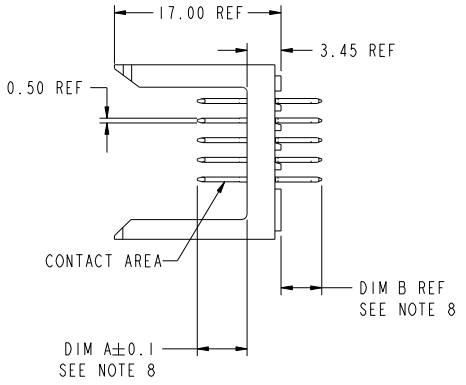
FCI
85854-170LF

For any questions, you can email us directly:
sales@integrated-circuit.com

Distributor of FCI: Excellent Integrated System Limited
Datasheet of 85854-170LF - CONN HEADER 120POS STR PCB PRSFT
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

PRODUCT NUMBER
85854-XYY OR 85854-XYYY
85854-XYYLF OR 85854-XYYYLF





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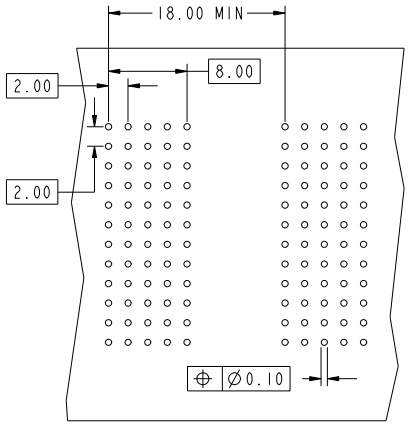
mat'l code				tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date		0.X ±0.3	COPY	www.fciconnect.com
DE	V06-0492	DCH	2006-05-23	linear	0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
DF	DG07-0487	Cenh	12/05/07		.XXX ± .051		
DG	DG09-0344	TER	2009-11-10	angles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

Pro/E

cage code 22526

PDM: Rev:DG STATUS:Released Printed: Nov 11, 2009

Distributor of FCI: Excellent Integrated System Limited
Datasheet of 85854-170LF - CONN HEADER 120POS STR PCB PRSFT
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



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

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

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mat'l code				tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date		0.X ±0.3	COPY	www.fciconnect.com
DG				linear	0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°		
				dr	T.BRUNGARD 11/19/99	MM	product family: METRAL — code: 213
				engr	M.STRAWSER 11/19/99		size: A — dwg no: 85854 — sheet: 2
				chr	M.STRAWSER 11/19/99	scale 1:1	
				appd	M.STRAWSER 02/29/00		
sheet index	revision sheet						cage code 22526

Pro/E

PDM: Rev:DG STATUS:Released Printed: Nov 11, 2009

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Datasheet of 85854-170LF - CONN HEADER 120POS STR PCB PRSFT
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

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	3	19	3	3	19	3	3	19	3	3	19	3	3	19	3	3	19
	D	3	19	19	19	19	3	3	19	3	3	19	3	3	19	3	3	19	3	3	19	3	3	19	3
	C	19	3	19	19	19	3	19	3	3	19	3	3	19	3	3	19	3	3	19	3	3	19	3	3
	B	3	19	19	19	3	19	3	3	19	3	3	19	3	3	19	3	3	19	3	3	19	3	3	19
	A	19	19	19	19	19	3	3	19	3	3	19	3	3	19	3	3	19	3	3	19	3	3	19	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-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	19	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	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-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	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-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	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-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	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-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	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

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	
DG					0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family: METRAL; code: 213
				dr	T.BRUNGARD 11/19/99		size: A; dwg no: 85854; sheet: 3
				engr	M.STRAWSER 11/19/99	scale 1:1	
				chr	M.STRAWSER 11/19/99		
				appd	M.STRAWSER 02/29/00		
sheet index	revision sheet						cage code 22526

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EIS electronic components
Distributor of FCI: Excellent Integrated System Limited
Datasheet of 85854-170LF - CONN HEADER 120POS STR PCB PRSFT
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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	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

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	2	3
	D	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3
	C	3	2	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1	2	3
	B	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3
	A	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-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	4	2	2	2	1	2	1
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	A	2	2	2	2	2	2	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-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	4	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	1	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-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	8	8	8	20	20	
	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
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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date		0.X ±0.3	COPY	
DG				linear	0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family: METRAL; code: 213
				dr	T.BRUNGARD 11/19/99		size: A; dwg no: 85854; sheet: 4
				engr	M.STRAWSER 11/19/99	scale 1:1	
				chr	M.STRAWSER 11/19/99		
				appd	M.STRAWSER 02/29/00		
sheet index	revision sheet						cage code 22526

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Datasheet of 85854-170LF - CONN HEADER 120POS STR PCB PRSFT
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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
	D	-	-	-	-	-	-	2	2	2	2	2	2	52	52	52	52	52	52	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
	B	-	-	-	-	-	-	2	2	2	2	2	2	52	52	52	52	52	52	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

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

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-X21 SEE NOTE 10 LEAD FREE OPTION	E	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
	D	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
	C	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
	B	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
	A	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44

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-X22 SEE NOTE 10 LEAD FREE OPTION	E	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	19	19	19	19	19	19
	D	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	19	19	19	19	19	19
	C	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	19	19	19	19	19	19
	B	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	19	19	19	19	19	19
	A	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	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-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
	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	1	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-X24 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

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	
DG					0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family: METRAL; code: 213
				dr	T.BRUNGARD 11/19/99		size: A; dwg no: 85854; sheet: 5
				engr	M.STRAWSER 11/19/99	scale 1:1	
				chr	M.STRAWSER 11/19/99		
				appd	M.STRAWSER 02/29/00		
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
85854-X25 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	- -			
	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	- -			
	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
85854-X26 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	- -			
	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	- -			
	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
85854-X27 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	- -			
	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	- -			
	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
85854-X28 SEE NOTE 10 LEAD FREE OPTION	E	9 11 10 10 10 10 10 10 10 10 10 10 10 10 9 11 10 10 10 10 10 10 10 10 10 10 11 11 9			
	D	9 11 10 10 10 10 10 10 10 10 10 10 10 10 9 11 10 10 10 10 10 10 10 10 10 10 11 11 9			
	C	9 11 10 10 10 10 10 10 10 10 10 10 10 10 9 11 10 10 10 10 10 10 10 10 10 10 11 11 9			
	B	9 11 10 10 10 10 10 10 10 10 10 10 10 10 9 11 10 10 10 10 10 10 10 10 10 10 11 11 9			
	A	1 3 2 2 2 2 2 2 2 2 2 2 2 2 1 3 2 2 2 2 2 2 2 2 2 2 3 3 1			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
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 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 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 6 7 7 5			
	B	5 7 6 6 6 6 6 6 6 6 6 6 5 7 6 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 6 7 7 5			

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

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X31 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	- -			
	C	2 - 4 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 4 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 4 - 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			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X32 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			

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	
DG					0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family: METRAL; code: 213
				dr	T.BRUNGARD 11/19/99		size: A; dwg no: 85854; sheet: 6
				engr	M.STRAWSER 11/19/99		
				chr	M.STRAWSER 11/19/99	scale 1:1	
				appd	M.STRAWSER 02/29/00		
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-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	3	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	19	19	
	D	4	4	3	3	3	3	3	3	3	19	19	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	19	19	
	B	4	4	3	3	3	3	3	3	3	19	19	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	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	
	D	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	39	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	
	B	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	39	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	

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-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	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	
	C	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	
	A	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	3	19	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	19
	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

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mat'l code				tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date		0.X ±0.3	COPY	www.fciconnect.com
DG				linear	0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family: METRAL; code: 213
				dr	T.BRUNGARD 11/19/99		size: A; dwg no: 85854; sheet: 7
				engr	M.STRAWSER 11/19/99	scale 1:1	
				chr	M.STRAWSER 11/19/99		
				appd	M.STRAWSER 02/29/00		
sheet index	revision sheet						cage code: 22526

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Datasheet of 85854-170LF - CONN HEADER 120POS STR PCB PRSFT
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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X41 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	2	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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

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

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X44 SEE NOTE 10 LEAD FREE OPTION	E	8	20	8	20	8	20	8	20	20	7	7	20	20	20	20	20	7	20	7	20	20	20	20	20
	D	8	20	8	20	8	20	8	20	20	7	7	20	20	7	20	7	20	7	20	20	7	20	7	20
	C	20	20	20	20	20	20	8	20	20	7	7	20	20	20	20	20	7	20	7	20	20	20	20	20
	B	7	20	7	20	7	20	7	20	7	7	20	20	20	7	20	20	20	20	20	20	20	20	20	20
	A	20	7	7	7	7	7	7	7	7	7	20	20	20	20	20	20	7	20	7	20	7	7	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-X45 SEE NOTE 10 LEAD FREE OPTION	E	4	19	4	19	4	19	4	19	19	3	3	19	19	19	19	19	3	19	3	19	19	19	19	19
	D	4	19	4	19	4	19	4	19	19	3	3	19	19	3	19	3	19	3	19	19	3	19	3	19
	C	19	19	19	19	19	19	4	19	19	3	3	19	19	19	19	19	19	3	19	3	19	19	19	19
	B	3	19	3	19	3	19	3	19	3	3	19	19	19	3	19	19	19	19	19	19	19	19	19	19
	A	19	3	3	3	3	3	3	3	3	3	19	19	19	19	19	3	19	3	19	3	19	3	19	19

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

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

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

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	
DG					0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family: METRAL; code: 213
				dr	T.BRUNGARD 11/19/99		size: A; dwg no: 85854; sheet: 8
				engr	M.STRAWSER 11/19/99		
				chr	M.STRAWSER 11/19/99	scale 1:1	
				appd	M.STRAWSER 02/29/00		
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
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 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 3			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
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
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 4 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
85854-X52 SEE NOTE 10 LEAD FREE OPTION	E	1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2			
	D	1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2			
	C	1 1 2 2 2 2 1 1 2 2 2 1 1 2 2 2 2 1 1 2 2 2 2 2			
	B	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X53 SEE NOTE 10 LEAD FREE OPTION	E	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	D	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	C	1 1 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			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X54 SEE NOTE 10 LEAD FREE OPTION	E	- 1 1 - - - - - - - - - - 1 1 - - - - - - - - 1 1			
	D	- 1 1 - - - - - - - - - - 1 1 - - - - - - - - 1 1			
	C	- 1 1			
	B	- - - - 1 1 - 1 1 - 1 1 - - - 1 1 - 1 1 - 1 1 -			
	A	- 1 1 - - 1 - 1 1 - 1 1 - - 1 1 - 1 1 - 1 1 - 1			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X55 SEE NOTE 10 LEAD FREE OPTION	E	2 2 2 2 2 2 2 2 2 3 3 - - 3 3 2 2 2 2 2 2 2 2 2			
	D	2 2 2 2 2 2 2 2 2 3 3 - - 3 3 2 2 2 2 2 2 2 2 2			
	C	2 2 2 2 2 2 2 2 2 3 3 - - 3 3 2 2 2 2 2 2 2 2 2			
	B	2 2 2 2 2 2 2 2 2 3 3 - - 3 3 2 2 2 2 2 2 2 2 2			
	A	2 2 2 2 2 2 2 2 2 19 19 - - 19 19 2 2 2 2 2 2 2 2			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X56 SEE NOTE 10 LEAD FREE OPTION	E	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3			
	D	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3			
	C	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
	B	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
	A	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3			

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date		0.X ±0.3	COPY	
DG				linear	0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family: METRAL / code: 213
				dr	T.BRUNGARD 11/19/99		size: A / dwg no: 85854 / sheet: 9
				engr	M.STRAWSER 11/19/99	scale 1:1	
				chr	M.STRAWSER 11/19/99		
				appd	M.STRAWSER 02/29/00		
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-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	1
	B	-	-	-	-	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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	2	3	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	2	3	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	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-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	2	1	2	2	2	2	2	4	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-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	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-X63 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	1	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	19	19	19	19	19	19	19	19	19	19	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

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-X64 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

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	
DG					0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family: METRAL / code: 213
				dr	T.BRUNGARD 11/19/99		size: A / dwg no: 85854 / sheet: 10
				engr	M.STRAWSER 11/19/99	scale 1:1	
				chr	M.STRAWSER 11/19/99		
				appd	M.STRAWSER 02/29/00		
sheet index	revision sheet						cage code 22526

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Datasheet of 85854-170LF - CONN HEADER 120POS STR PCB PRSFT
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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	2	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

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	4	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	4	2	2	2	2	2	2	2	2	2	2	4	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-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	4
	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	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-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	1	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	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	
DG					0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family: METRAL; code: 213
				dr	T.BRUNGARD 11/19/99		size: A; dwg no: 85854; sheet: 11
				engr	M.STRAWSER 11/19/99	scale 1:1	
				chr	M.STRAWSER 11/19/99		
				appd	M.STRAWSER 02/29/00		
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-X73 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	4	2	2	2	1	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	D	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	C	2	2	2	2	2	4	2	2	2	3	3	2	2	2	2	2	2	4	2	2	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	3	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	A	2	2	2	2	2	4	2	2	2	3	2	2	2	2	2	2	2	4	2	2	2	2	2	2

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

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

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X76 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	D	1	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	1	3
	C	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3
	B	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	4	4	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-X77 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	2	4	2	2	2
	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	2	2	2	2
	C	2	-	4	-	2	-	2	-	2	-	2	-	2	-	4	-	2	-	2	2	2	4	4	4
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4	4	1	1
	A	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	2	4	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-X78 SEE NOTE 10 LEAD FREE OPTION	E	1	1	2	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2
	D	1	1	2	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2
	C	1	1	2	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2
	B	1	1	2	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2
	A	1	1	2	1	1	1	1	1	2	1	1	1	1	1	2	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-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	1	3
	D	2	1	1	1	1	1	1	1	1	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	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	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	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-X80 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	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	2
	C	1	1	1	3	2	2	2	2	2	2	2	2	2	1	1	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	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	2

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	
DG					0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ± .051		
				angles	0° ±2°	MM	product family: METRAL; code: 213
				dr	T.BRUNGARD 11/19/99		size: A; dwg no: 85854; sheet: 12
				engr	M.STRAWSER 11/19/99	scale 1:1	
				chr	M.STRAWSER 11/19/99		
				appd	M.STRAWSER 02/29/00		
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
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
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
85854-X83 SEE NOTE 10 LEAD FREE OPTION	E	3 19 3 19 3 19	3 19 19 1 1 19	19 19 19 19 1 19	1 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
85854-X84 SEE NOTE 10 LEAD FREE OPTION	E	4 - - - 3 3 4	4 3 4 3 4 4	2 2 2 2 2 4	4 4 4 4 2 2
	D	4 - - - 3 3 4	4 3 4 3 4 4	4 4 4 4 2 2	4 2 2 4 2 2
	C	4 - - - 3 3 4	4 3 4 3 4 2	2 2 4 2 2 4	2 2 4 2 2 2
	B	4 - - - 3 3 4	4 3 4 3 4 2	2 2 4 4 2 4	2 2 4 2 2 2
	A	4 - - - 3 3 4	4 3 4 3 4 2	2 2 4 2 2 4	2 2 4 2 2 2

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X85 SEE NOTE 10 LEAD FREE OPTION	E	1 1 1 - 1 -	1 - 1 - 1 -	1 - 1 - 1 -	1 - 1 - 1 -
	D	1 1 1 1 1 -	1 - 1 - 1 -	1 - 1 - 1 -	1 - 1 - 1 -
	C	1 1 1 - 1 -	1 - 1 - 1 -	1 - 1 - 1 -	1 - 1 - 1 -
	B	1 1 1 1 1 -	1 - 1 - 1 -	1 - 1 - 1 -	1 - 1 - 1 -
	A	1 1 1 - 1 -	1 - 1 - 1 -	1 - 1 - 1 -	1 - 1 - 1 -

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
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
85854-X87 SEE NOTE 10 LEAD FREE OPTION	E	3 3 3 3 3 3	3 3 3 3 3 3	1 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	4 4 4 4 4 4
	C	3 3 3 3 3 3	3 3 3 3 3 3	3 3 3 3 3 3	4 4 4 4 4 4
	B	3 3 3 3 3 3	3 3 3 3 3 3	3 3 3 3 3 3	4 4 4 4 4 4
	A	3 3 3 3 3 3	3 3 3 3 3 3	3 3 3 3 3 3	4 4 4 4 4 4

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

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	
DG					0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family: METRAL; code: 213
				dr	T.BRUNGARD 11/19/99		size: A; dwg no: 85854; sheet: 13
				engr	M.STRAWSER 11/19/99		
				chr	M.STRAWSER 11/19/99	scale 1:1	
				appd	M.STRAWSER 02/29/00		
sheet index	revision sheet						cage code 22526

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METRAL P/N	ROW	CONTACT CODE MOD. I						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. I						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. I						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. I						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

METRAL P/N	ROW	CONTACT CODE MOD. I						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. I						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. I						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	19
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	19	2	4	4	2	19
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	19	2	4	4	2	19
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	19	2	4	4	2	19
	A	2	2	2	2	2	1	2	1	2	2	2	2	2	2	2	2	2	19	19	2	4	4	2	19

METRAL P/N	ROW	CONTACT CODE MOD. I						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

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ltr	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°	MM	product family METRAL code 213
				dr	T.BRUNGARD 11/19/99		size A dwg no 85854 sheet 14
				engr	M.STRAWSER 11/19/99		
				chr	M.STRAWSER 11/19/99	scale 1:1	
				appd	M.STRAWSER 02/29/00		
sheet index	revision sheet						cage code 22526

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

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	1	2	1	1	1	1	1	2	1	1	1
	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	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-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	5	6	5	5	5	6
	C	5	5	6	5	5	5	5	5	6	6	6	6	6	6	6	6	6	5	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

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ltr	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°	MM	product family METRAL code 213
				dr	T.BRUNGARD 11/19/99		size A dwg no 85854 sheet 15
				engr	M.STRAWSER 11/19/99	scale 1:1	
				chr	M.STRAWSER 11/19/99		
				appd	M.STRAWSER 02/29/00		
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-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	3	4	3	4	3	4	3	4	3	4	3	4	3	3	4	3	4	3	4
	D	3	3	3	4	3	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3
	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	20	5	20	5	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	20	5	20	5	20	20	20	20	20
	B	8	20	8	20	5	20	5	20	5	5	20	20	20	5	20	20	20	20	20	20	20	20	20	20
	A	20	5	5	5	5	5	5	5	5	5	20	20	20	20	20	20	5	20	5	20	5	5	20	20

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

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	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	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-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	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-X111 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	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-X112 SEE NOTE 10 LEAD FREE OPTION	E	6	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	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

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date		0.X ±0.3	COPY	
DG				linear	0.XX ±0.13	projection	title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family METRAL / code 213
				dr	T.BRUNGARD 11/19/99		size A / dwg no 85854 / sheet 16
				engr	M.STRAWSER 11/19/99	scale 1:1	
				chr	M.STRAWSER 11/19/99		
				appd	M.STRAWSER 02/29/00		cage code 22526
sheet index	revision sheet						

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METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
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
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
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
85854-X116 SEE NOTE 10 LEAD FREE OPTION	E	2 4 4 2 19 6 6 6 6 6 2 19 2 2 2 2 6 6 6 6 2 1 2			
	D	2 4 4 2 19 6 6 6 6 6 2 19 2 2 2 2 6 6 6 6 2 3 2			
	C	2 4 4 2 19 6 6 6 6 6 2 19 2 2 2 2 6 6 6 6 2 2 2			
	B	2 4 4 2 19 6 6 6 21 6 2 19 2 2 2 2 6 6 21 6 2 2 2			
	A	2 4 4 2 19 6 6 6 6 6 2 19 2 2 2 2 6 6 6 6 2 2 2			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
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 6 6 6 21 6 2 2 2 2 2			
	A	2 2 2 6 6 6 2 6 2 2 2 2 2 2 6 6 6 6 6 2 2 2 2 2			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X118 SEE NOTE 10 LEAD FREE OPTION	E	2 4 4 2 19 2 2 2 2 2 2 19 2 2 2 2 2 2 2 2 2 1 2			
	D	2 4 4 2 19 2 2 2 2 2 2 19 2 2 2 2 2 2 2 2 2 3 2			
	C	2 4 4 2 19 2 2 2 2 2 2 19 2 2 2 2 2 2 2 2 2 2 2			
	B	2 4 4 2 19 2 2 2 19 2 2 19 2 2 2 2 2 2 19 2 2 2 2			
	A	2 4 4 2 19 2 2 2 2 2 2 19 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
85854-X119 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 19 2 2 2 2 2 2 2 2 2 19 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
85854-X120 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	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X121 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	- -			
	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	- -			
	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
85854-X122 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 5 5 6 6 7 7			
	D	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 5 5 6 6 7 7			
	C	6 6 6 6 6 6 6 6 6 6 6 5 6 6 6 6 6 6 6 5 5 6 6 7 7			
	B	6 6 6 6 6 6 6 6 6 6 6 5 6 6 6 6 6 6 6 5 5 6 6 7 7			
	A	6 6 6 6 6 6 6 6 6 6 6 5 6 6 6 6 6 6 6 5 5 6 6 7 7			

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	
DG					0.XX ±0.13	projection	title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°	MM	product family: METRAL; code: 213
				dr	T.BRUNGARD 11/19/99		size: A; dwg no: 85854; sheet: 17
				engr	M.STRAWSER 11/19/99		
				chr	M.STRAWSER 11/19/99	scale 1:1	
				appd	M.STRAWSER 02/29/00		cage code: 22526
sheet index	revision sheet						

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

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

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
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 6 6			
	D	6 6 6 6 6 6 6 6 6 5 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 5 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	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
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 2 2 2 3 3			
	D	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 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 3 3			
	B	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 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 2 2 3 3			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
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 2 2			
	D	2 2 2 2 2 2 2 2 2 1 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 1 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	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X128 SEE NOTE 10 LEAD FREE OPTION	E	64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64			
	D	- 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64			
	C	64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 -			
	B	- 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64			
	A	64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X129 SEE NOTE 10 LEAD FREE OPTION	E	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3			
	D	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 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 1 1 2 2 3 3			
	B	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 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 2 2 3 3			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X130 SEE NOTE 10 LEAD FREE OPTION	E	2 2 2 2 1 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3			
	D	2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3			
	C	2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3			
	B	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 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 2 2 3 3			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X131 SEE NOTE 10 LEAD FREE OPTION	E	4 4 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 1 3 3 3 3 3			
	D	4 4 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			
	C	3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			
	B	4 4 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			
	A	4 4 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			

METRAL P/N	ROW	CONTACT CODE MOD. 1	MOD. 2	MOD. 3	MOD. 4
85854-X132 SEE NOTE 10 LEAD FREE OPTION	E	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2			
	D	- 2 - - - 2 - - - 2 - - - 2 - - - 2 - - - 2 - - - 2 -			
	C	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -			
	B	- 2 - - - 2 - - - 2 - 4 - 2 - - - 2 - - - 2 - 4			
	A	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -			

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

sheet index	revision sheet

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projection

MM

scale 1 : 1

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title: METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT

product family: METRAL | code: 213

size: A | dwg no: 85854 | sheet: 18

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-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	3	1	1	1	1	1	1	1	1	1
	D	2	1	2	1	1	3	1	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1
	C	2	1	2	1	1	3	1	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1
	B	2	1	2	1	1	3	1	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1
	A	2	1	2	1	1	3	1	3	3	3	3	3	3	3	3	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	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	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	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	7	20	7	7	20	7	7	8	7	20
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	7	7	20	7	7	8	7	20

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

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date		0.X ±0.3	COPY	
DG				linear	0.XX ±0.13	projection	title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
					.XXX ±.051		
				angles	0° ±2°		
				dr	T.BRUNGARD 11/19/99	MM	product family METRAL / code 213
				engr	M.STRAWSER 11/19/99		size A / dwg no 85854 / sheet 19
				chr	M.STRAWSER 11/19/99	scale 1:1	
				appd	M.STRAWSER 02/29/00		
sheet index	revision sheet						cage code 22526

Pro/E

Distributor of FCI: Excellent Integrated System Limited
Datasheet of 85854-170LF - CONN HEADER 120POS STR PCB PRSFT
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

PRODUCT NUMBER
85854-XYY OR 85854-XYYY
85854-XYYLF OR 85854-XYYYLF

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL

   POLYMER 30 % GLASS.

   FLAME RETARDANT ACC. UL 94-V0.
3. PIN MATERIAL:
   PHOSPHOR BRONZE.
4. PLATING ON PRESS-FIT TAIL:
   85854-XYY IS SnPb
   85854-XYYLF IS SN (LEAD FREE)
   PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE BELOW.
5. PRODUCT MARKING:
   PART NUMBER DESIGNATION & BATCH I.D.
6. ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES. IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P" WILL BE ADDED TO THE END OF THE PART NUMBER. EXAMPLE: XXXXX-XXXP
7. PRODUCT SPECIFICATION GS-12-180
   APPLICATION SPECIFICATION BUS-20-073
8. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
9. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

   ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING (DRAWING NO.)-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 MAXIMIM 140°C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.
10. FOR LEAD FREE PART NUMBERS ADD AN "LF" SUFFIX.. EXAMPLE: 85854-X01LF

PLATING IN CONTACT AREA		NOTES
DASH NUMBER	PERFORMANCE LEVEL	-
-PYY 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

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ltr	ecn no. / dr / date		0.X ±0.3	COPY	
DG		linear	0.XX ±0.13	projection	title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
			.XXX ±.051		
		angles	0° ±2°		
		dr	T.BRUNGARD 11/19/99	MM	product family METRAL / code 213
		engr	M.STRAWSER 11/19/99		size A / dwg no 85854 / sheet 20
		chr	M.STRAWSER 11/19/99	scale 1:1	
		appd	M.STRAWSER 02/29/00		
sheet index	revision sheet				cage code 22526

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