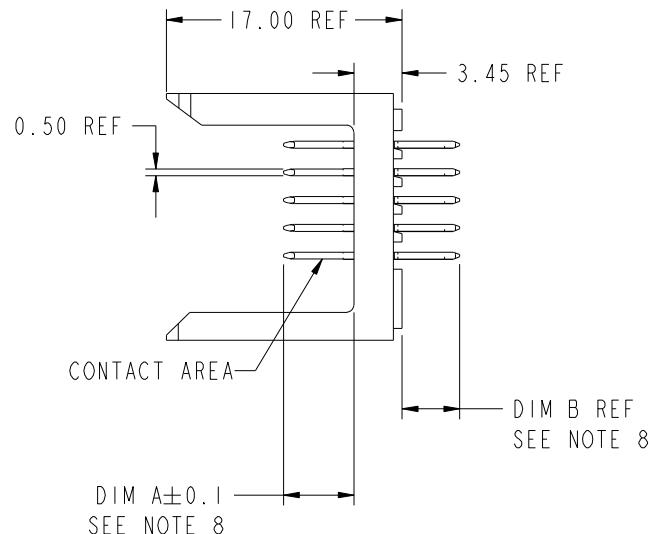
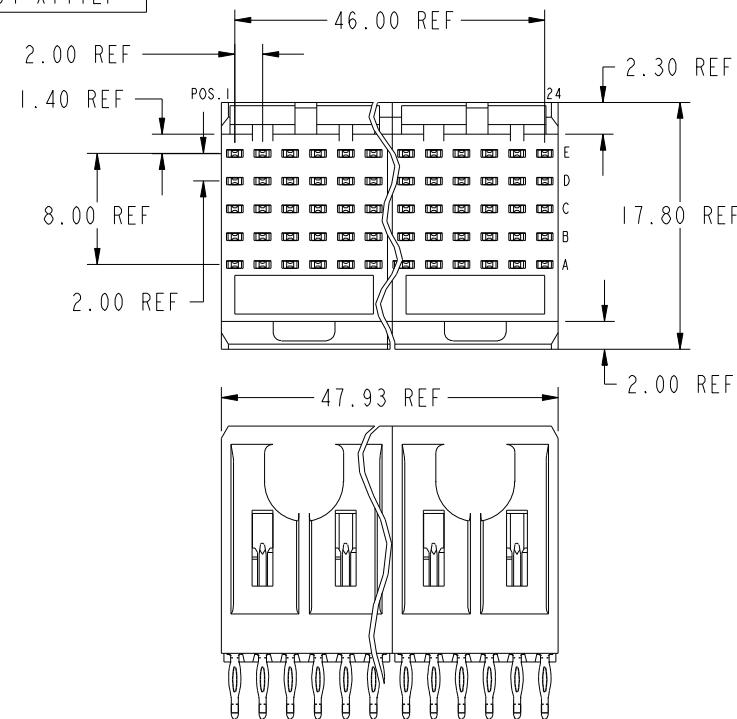


PRODUCT NUMBER
85854-XYY
OR
85854-XXXX
85854-XYYLF
OR
85854-XXXXLF



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REV E - 2006-04-18

mat'l code				tolerances unless otherwise specified		CUSTOMER COPY	projection	title	product family	METRAL	code
lfr	ecn no.	dr	date	0.0 ±0.3							
DE	V06-0492	DCH	2006-05-23	linear 0.00 ±0.13							
DF	DG07-0487	Cenh	12/05/07	.000 ±.051							
-	-	-	-	angles 0° ±2°							
DA	V04-0408	TAB	04/27/04	dr	T.BRUNGARD	11/19/99	MM	title	product family	METRAL	code
DB	V04-0353	DAI	05/04/04	engr	M.STRAWSER	11/19/99					
DC	V04-0560	HTB	06/01/04	chr	M.STRAWSER	11/19/99	scale 2:1	A	size	dwg no	213
DD	V04-1100	DAI	01/26/05	appd	M.STRAWSER	02/29/00					
sheet	revision	DF	...	DF							
		index		sheet	1	...					
				20							

1|2

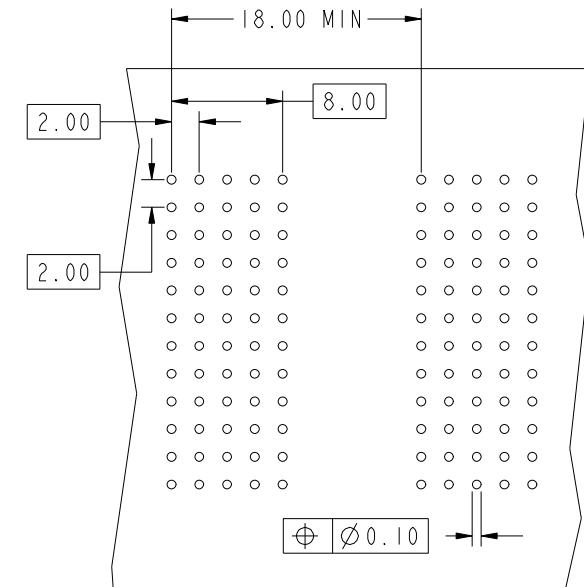
Pro/E

3|4
cage code 22526

PDM: Rev:DF

STATUS: Released

Printed: Dec 14, 2007

<p style="text-align: center;">1 2</p> <div style="border: 1px solid black; padding: 10px; width: 100%; height: 100%;">  <p style="text-align: center;">REQUIRED PC BOARD LAYOUT COMPONENT SIDE SEE PRINT 58351 FOR ADDITIONAL PCB INFORMATION</p> </div> <p style="text-align: center;">A</p>	<p style="text-align: center;">3 4</p> <div style="border: 1px solid black; padding: 10px; width: 100%; height: 100%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">KEY</th> </tr> <tr> <th rowspan="2">CODE</th> <th colspan="2" style="text-align: center;">DIMENSIONS</th> </tr> <tr> <th style="text-align: center;">DIM "A" MATE</th> <th style="text-align: center;">DIM "B" TAIL</th> </tr> </thead> <tbody> <tr><td>1</td><td style="text-align: center;">5.00</td><td style="text-align: center;">4.30</td></tr> <tr><td>2</td><td style="text-align: center;">5.75</td><td style="text-align: center;">4.30</td></tr> <tr><td>3</td><td style="text-align: center;">6.50</td><td style="text-align: center;">4.30</td></tr> <tr><td>4</td><td style="text-align: center;">7.25</td><td style="text-align: center;">4.30</td></tr> <tr><td>5</td><td style="text-align: center;">5.00</td><td style="text-align: center;">13.60</td></tr> <tr><td>6</td><td style="text-align: center;">5.75</td><td style="text-align: center;">13.60</td></tr> <tr><td>7</td><td style="text-align: center;">6.50</td><td style="text-align: center;">13.60</td></tr> <tr><td>8</td><td style="text-align: center;">7.25</td><td style="text-align: center;">13.60</td></tr> <tr><td>9</td><td style="text-align: center;">5.00</td><td style="text-align: center;">17.00</td></tr> <tr><td>10</td><td style="text-align: center;">5.75</td><td style="text-align: center;">17.00</td></tr> <tr><td>11</td><td style="text-align: center;">6.50</td><td style="text-align: center;">17.00</td></tr> <tr><td>16</td><td style="text-align: center;">7.00</td><td style="text-align: center;">4.30</td></tr> <tr><td>19</td><td style="text-align: center;">8.00</td><td style="text-align: center;">4.30</td></tr> <tr><td>20</td><td style="text-align: center;">8.00</td><td style="text-align: center;">13.60</td></tr> <tr><td>21</td><td style="text-align: center;">8.00</td><td style="text-align: center;">17.00</td></tr> <tr><td>25</td><td style="text-align: center;">5.75</td><td style="text-align: center;">15.60</td></tr> <tr><td>39</td><td style="text-align: center;">8.00</td><td style="text-align: center;">14.40</td></tr> <tr><td>44</td><td style="text-align: center;">5.75</td><td style="text-align: center;">12.10</td></tr> <tr><td>49</td><td style="text-align: center;">5.75</td><td style="text-align: center;">15.10</td></tr> <tr><td>52</td><td style="text-align: center;">8.00</td><td style="text-align: center;">15.10</td></tr> <tr><td>54</td><td style="text-align: center;">5.00</td><td style="text-align: center;">11.50</td></tr> </tbody> </table> </div> <p style="text-align: center;">A</p>	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
KEY																																																																								
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39	8.00	14.40																																																																						
44	5.75	12.10																																																																						
49	5.75	15.10																																																																						
52	8.00	15.10																																																																						
54	5.00	11.50																																																																						

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mat'l code				tolerances unless otherwise specified		CUSTOMER	 www.fciconnect.com
lfr	ecn no.	dr	date	0.0 ±0.3			
DF				0.0X ±0.13		projection	title
				.XXX ±.051			
				0° ±2°		MM	product family
				dr	T.BRUNGARD 11/19/99		
				engr	M.STRAWSER 11/19/99	scale	code
				chr	M.STRAWSER 11/19/99		
				appd	M.STRAWSER 02/29/00	A	dwg no
sheet	revision					: :	sheet
index	sheet						

1 | 2

Pro/E

3 | 4

cage code
22526

PDM: Rev:DF

STATUS: Released

Printed: Dec 14, 2007

SEE NOTE
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OPTION

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

SEE NOTE
LEAD FREE
OPTION

85854-X0
SEE NOTE
LEAD FRE
OPTION

85854-X0
SEE NOTE
LEAD FRE
OPTION

SEE NOTE
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OPTION

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85854-X0
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85854-X01
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mat'l code --				tolerances unless otherwise specified		CUSTOMER COPY	FCI	www.fciconnect.com
Itr	ecn no.	dr	date	linear	0. X ± 0.3			
DF					0. XX ± 0.13	projection		
					XXX ± .051			
				angles	0° ± 2°			
				dr	T. BRUNNARD	11/19/99	product	METRAL
				engr	M. STRAWSER	11/19/99	family	code
				chr	M. STRAWSER	11/19/99	size	213
				appd	M. STRAWSER	02/29/00	dwg no	
sheet	revision					scale	A	sheet
index	sheet					1 : 1	85854	3
	Pro/E					3	cage code	22526
								4

12

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2			MOD. 3			MOD. 4											
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85854-X17 SEE NOTE 10 LEAD FREE OPTION	E	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	
	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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
85854-X18 SEE NOTE 10 LEAD FREE OPTION	A	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	1	

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

A	1	2	Pro/E												3	4							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FCI																							

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI		www.fciconnect.com		
lhr	ecn no.	dr	date	0. X ± 0.3				COPY		projection		title		
				0. XX ± 0.13								METRAL SIGNAL HEADER		
linear				.XXX ± .051				dr	T.BRUNGARD	11/19/99	MM	product family	METRAL	code
angles				0° ± 2°				engr	M.STRAWSER	11/19/99	← → ← →	size	dwg no	213
chr				0.000				chr	M.STRAWSER	11/19/99	scale	appd	M.STRAWSER	85854
				02/29/00				sheet		3		A		5
				index				revision		4		cage code		22526

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B

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

mat'l code				tolerances unless otherwise specified		CUSTOMER	COPY	FCI	www.fciconnect.com			
Itlr	ecn no.	dr	date	0.0 X ± 0.3								
DF				linear		0.0 X ± 0.13		projection	title	METRAL SIGNAL HEADER		
						.0 X X ± .051				4 MOD, 5 ROW PRESS-FIT		
				angles		0° ± 2°		MM	product family	METRAL		code
						dr T. BRUNGARD 11/19/99						
						engr M. STRAWSER 11/19/99		scale	size	dwg no		sheet
						chr M. STRAWSER 11/19/99				A		85854
						appd M. STRAWSER 02/29/00		:				
sheet	revision											
index	sheet											
				Pro/E				3	cage code		22526	4

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Pro/E

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METRAL P/N	CONTACT CODE				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	1	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
85854-X33	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
SEE NOTE 10 LEAD FREE OPTION	B	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2

SEE NOTE
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OPTION

85854-X3
SEE NOTE
LEAD FRE

85854-X3

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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-X38 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	19	4
	D	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	C	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	B	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	A	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	4	4	4	4	4

85854-X3
SEE NOTE
LEAD FR

85854-X3

85854-X4
SEE NOTE
LEAD FREE
OPTION

mat'l code				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0. X ± 0.3 0. XX ± 0.13 . XXX ± .051				COPY
DF				angles	0° ± 2°	projection	title	METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT	
				dr	T. BRUNGARD 11/19/99		product family	METRAL	code
				engr	M. STRAWSER 11/19/99		size	dwg no	213
				chr	M. STRAWSER 11/19/99	scale	A	85854	sheet
				appd	M. STRAWSER 02/29/00	1 : 1			7
sheet	revision								
index	sheet								
				Pro/E	3	cage code	22526	4	

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OPTION

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OPTION

METRAL P/N	CONTACT CODE			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-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	20	20	20	20	20	20	20	7	20	7	20	7	20	20	20

SEE NOTE
LEAD FREE
OPTION

SEE NO
LEAD
OPT

SEE NO
LEAD
OPT

SEE NO
LEAD
OPT

SEE NO
LEAD
OPT

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



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REV E - 2008-04-18

		1 2												3 4																																														
METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2			MOD. 3			MOD. 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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24											
85854-X49 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	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	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	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	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	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	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	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	1									
85854-X50 SEE NOTE 10 LEAD FREE OPTION	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	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	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	E	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	D	3	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	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	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	B	3	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
85854-X51 SEE NOTE 10 LEAD FREE OPTION	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	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	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									
	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	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									
	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	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									
	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	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									
85854-X52 SEE NOTE 10 LEAD FREE OPTION	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	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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									
	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	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									
	C	1	1	2	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2	1	1	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										
	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	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									
85854-X56 SEE NOTE 10 LEAD FREE OPTION	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	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	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									
	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	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									
	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	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									
	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	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									

mat'l code				tolerances unless otherwise specified				CUSTOMER			
lfr	ecn no.	dr	date	0. X ±0.3				COPY			
DF				0. XX ±0.13				projection			
				. XXX ±.051				title			
				0° ±2°				METRAL SIGNAL HEADER			
				dr	T. BRUNGARD	11/19/99		MM			
				engr	M. STRAWSER	11/19/99	scale				
				chr	M. STRAWSER	11/19/99	appd	M. STRAWSER	02/29/00		
sheet	revision	sheet									
index											

1 | 2 Pro/E 3 | 4 cage code 22526

METRAL P/N	ROW	CONTACT CODE						MOD. 2				MOD. 3					MOD. 4								
		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	-	1	1	-	-	-	-	-	-	-	-	1	1	-	-	-	1	1	-	1	1	-	1	1
	D	-	1	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	1	1
85854-X57	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
SEE NOTE 10 LEAD FREE OPTION	B	-	-	-	-	1	1	-	1	1	-	1	1	-	-	-	1	1	-	1	1	-	1	1	1
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	-	2	2

SEE NOTE I
LEAD FREE
OPTION

SEE NOTE I
LEAD FREE
OPTION

SEE NOTE 1
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OPTION

111

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SEE NOTE I
LEAD FREE
OPTION

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OPTION

SEE NOTE 1
LEAD FREE
OPTION

SEE NOTE I
LEAD FREE
OPTION

mat'l code				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0. X \pm 0.3 0. XX \pm 0.13 0. XXX \pm .051					
DF				angles	0° \pm 2°	projection	title	METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT		
				dr	T. BRUNGARD 11/19/99	MM scale 1 : 1	product family	METRAL	code	
				engr	M. STRAWSER 11/19/99		size	dwg no		213
				chr	M. STRAWSER 11/19/99					sheet
				appd	M. STRAWSER 02/29/00				A 85854	10
sheet index	revision sheet									
				Pro/E	3	cage code	22526	4		

12

Pro/E

PDM: Rev:DF

STATUS: **Released**

Printed: Dec. 14, 2007

METRAL P/N	CONTACT CODE		MOD. 2						MOD. 3						MOD. 4											
	ROW	MOD. 1	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	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	2	4	2	2	2	2	2	
85854-X73	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	
SEE NOTE 10 LEAD FREE OPTION	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	2	4	2	2	2	2	2	

SEE NOTE
LEAD FREE
OPTION

SEE NOTE
LEAD FREE
OPTION

SEE NOTE
LEAD FREE
OPTION

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

SEE NOTE
LEAD FREE
OPTION

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	4	2	2	2	
	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	2	2	2	2	
85854-X77	C	2	-	4	-	2	-	2	-	2	-	2	-	2	-	4	-	2	-	2	2	2	4	4	4
SEE NOTE 10 LEAD FREE OPTION	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4	4	1	1
	A	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	2	4	2	2	2

SEE NOTE
LEAD FREE
OPTION

mat'l code - -				tolerances unless otherwise specified		CUSTOMER COPY		www.fciconnect.com	
Itr	ecn no.	dr	date	linear	0. X ± 0.3 0. XX ± 0.13 . XXX ± .051				
DF				angles	0° ± 2°	projection	title	METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT	
				dr	T. BRUNGARD 11/19/99	MM	product family	METRAL	code
				engr	M. STRAWSER 11/19/99	scale	size	dwg no	213
				chr	M. STRAWSER 11/19/99				sheet
				appd	M. STRAWSER 02/29/00		A	85854	12
sheet	revision								
index	sheet								
				Pro/E		3	cage code	22526	4



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REV E - 2008-04-18

		1 2												3 4																																				
METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2			MOD. 3			MOD. 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	1	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	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	E	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	
	D	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	D	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	
	C	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	C	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	
	B	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	B	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	
	A	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	A	1	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	
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	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	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	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	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	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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	19	19	19	19	19	19	19	19	E	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	D	4	19	3	19	3	19	3	19	19	1	1	19	19	19	19	19	19	19	19	19	19	19	19	19	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	1	19	19	19	19	19	3	19	19	1	1	19	19	19	19	19	19	19	19	19	19	19	19	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	4	19	4	19	1	19	1	1	19	19	19	1	19	19	19	19	19	19	19	19	19	19	19	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	19	1	1	1	1	1	1	1	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
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	2	2	2	E	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	D	4	-	-	3	3	4	4	3	4	3	4	4	4	4	4	4	2	2	4	2	2	4	2	2	D	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	4	-	-	3	3	4	4	3	4	3	4	2	2	2	4	2	2	4	2	2	4	2	2	C	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	B	4	-	-	3	3	4	4	3	4	3	4	2	2	2	4	2	2	4	2	2	4	2	2	B	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	A	4	-	-	3	3	4	4	3	4	3	4	2	2	2	4	2	2	4	2	2	4	2	2	A	5	5	5	5	5	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		FCI		www.fciconnect.com			
lhr	ecn no.	dr	date	0. X ±0.3				COPY		projection		title			
DF				0. XX ±0.13								METRAL SIGNAL HEADER			
				.XXX ±.051								4 MOD, 5 ROW PRESS-FIT			
				0° ±2°											
				dr	T. BRUNGARD	11/19/99				MM		product family			
				engr	M. STRAWSER	11/19/99						METRAL			
				chr	M. STRAWSER	11/19/99		scale				code			
				appd	M. STRAWSER	02/29/00				A		213			
sheet	revision									85854		sheet			
index	sheet											13			
3 2				Pro/E				3 4				cage code 22526			



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Rev E - 2008-04-18

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2			MOD. 3			MOD. 4											
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X89 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-
	D	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2
	C	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-
	B	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2
	A	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-

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

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2			MOD. 3			MOD. 4											
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X91 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	D	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	8	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	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

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

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

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

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

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REV E - 2006-04-18

The Ergo logo, which consists of a stylized lowercase 'e' with a horizontal bar extending from its top right corner.

B

12

Pro/E

cage code 22526 4

Digitized by srujanika@gmail.com

METRAL P/N	CONTACT CODE			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	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
85854-X98	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
SEE NOTE 10 LEAD FREE OPTION	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	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-X102 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1	1	1	1	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	6	5	5	5	5	6	5	6	5	5	5	5	6	5	6	6	5
	D	5	5	6	5	5	5	5	6	5	5	5	5	5	6	6	6	5	5	5	6	5	5	5	6
	C	5	5	6	5	5	5	5	6	6	6	6	6	6	6	6	6	6	5	6	5	6	6	5	6
	B	5	5	6	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	6	5	6	6	5
	A	5	5	6	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	6	5	6	6	5

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

SEE NOT
LEAD F
OPTION

SEE NOTE
LEAD FR
OPTIC

A



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REV E - 2006-04-18

SEE NOTE
LEAD FR
OPTION

SEE NOTE
LEAD FR
OPTICS



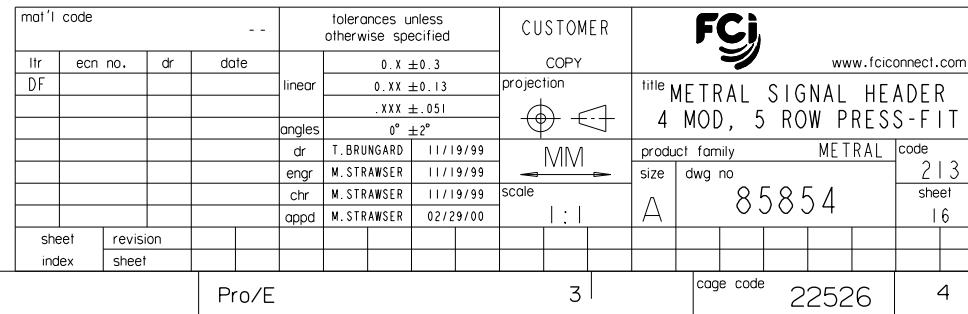
85854-X
SEE NOTE
LEAD FR
OPTION

1



METRA
P/N

85854-X
655-NOTE



1

Pro/E

PDM·Rev·DF

STATUS: **Released**

Printed: Dec. 14, 2007

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REV E - 2006-04-01

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-XI13 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	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-XI14 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	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-XI15 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	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-XI16 SEE NOTE 10 LEAD FREE OPTION	E	2	4	4	2	1	9	6	6	6	6	6	2	1	9	2	2	2	6	6	6	6	6	2	1
	D	2	4	4	2	1	9	6	6	6	6	6	2	1	9	2	2	2	6	6	6	6	6	2	3
	C	2	4	4	2	1	9	6	6	6	6	6	2	1	9	2	2	2	6	6	6	6	6	2	2
	B	2	4	4	2	1	9	6	6	6	6	6	2	1	9	2	2	2	6	6	6	6	6	2	2
	A	2	4	4	2	1	9	6	6	6	6	6	2	1	9	2	2	2	6	6	6	6	6	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-XI17 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	2	6	2	2	2	2	2	2	6	6	6	6	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	CONTACT CODE		MOD. 2				MOD. 3				MOD. 4															
	MOD. 1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
85854-X118 SEE NOTE 10 LEAD FREE OPTION	E	2	4	4	2	19	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	1	2	
	D	2	4	4	2	19	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	3	2
	C	2	4	4	2	19	2	2	2	2	2	19	2	2	2	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	2	19	2	2	2	2	
	A	2	4	4	2	19	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	2	
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	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
	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
	B	2	2	2	2	2	2	19	2	2	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	
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	19	19	19	19	19	19	19
	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
	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
	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
	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
85854-X121 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	-	
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	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	5	5	6	6	7	7	
	C	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	5	5	6	6	7	7	
	B	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	5	5	6	6	7	7	
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part code				tolerances unless otherwise specified		CUSTOMER	FCI	www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0. X ± 0.3 0. XX ± 0.13 XXX ± .051			COPY	projection	title	METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT
DF				angles	0° ± 2°						
		dr	T. BRUNNARD		11/19/99	scale	MM	product family	METRAL	code	
		engr	M. STRAWER		11/19/99			size	dwg no		213
		chr	M. STRAWER		11/19/99						
		appd	M. STRAWER		02/29/00						
sheet	revision									sheet	
index	sheet									17	
Pro/E					3		cage code	22526		4	

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REV E - 2008-04-18

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2			MOD. 3				MOD. 4										
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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
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REV C - 2008-04-18

B

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Pro/E

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cage code 22526 4

mat'l code				tolerances unless otherwise specified				CUSTOMER	COPY	projection	title	product family	size	dwg no	code	
lfr	ecn no.	dr	date	linear	0. X ± 0.3	angles	0. XX ± 0.13			0. XXX ± .051	dr	T. BRUNGARD	11/19/99	MM	scale	A
DF												engr	M. STRAWSER	11/19/99		
												chr	M. STRAWSER	11/19/99		
												appd	M. STRAWSER	02/29/00		
												sheet	revision			
												index	sheet			

PDM: Rev:DF

STATUS: Released

Printed: Dec 14, 2007

PRODUCT NUMBER
85854-XYY
OR
85854-XXXX
85854-XYYLF
OR
85854-XXXXLF

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL POLYMER 30 % GLASS.
3. FLAME RETARDANT ACC. UL 94-V0.
4. PIN MATERIAL: PHOSPHOR BRONZE.
5. 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.
6. PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
7. 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
8. 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.)-NI--- OR (DRAWING NO.)-N5--- WILL WITHSTAND EXPOSURE
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-NI---
AND (DRAWINGS NO.)-N5--- WILL NOT WITHSTAND REFLOW AND Au CONTACT
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

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

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



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REV E - 2008-04-18

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