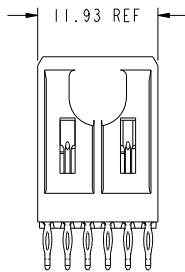
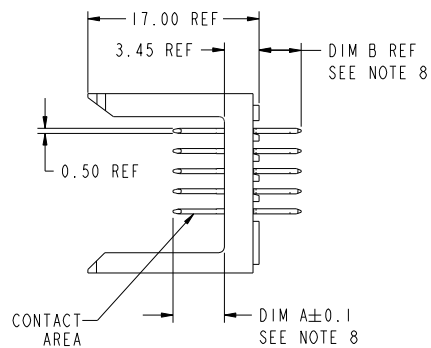
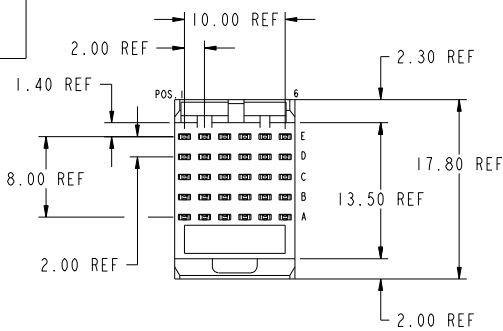


PRODUCT NUMBER
85674-XYX OR 85674-XYXX
85674-XYXLF OR 85674-XYXXLF



This document is the property of, and embodies  
CONFIDENTIAL and PROPRIETARY information of FCI.  
No part of the information shown on this  
document may be used in any way or  
reproduced in any form without the  
written consent of FCI.  
Copyright FCI.

mat'l code		SEE NOTES		tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
itr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER
CC	V06-0569	DCH	2006-06-12		0.XX ±0.13			I MOD, 5 ROW PRESS-FIT	
CD	DG07-0409	Cenh	10/18/07	angles	.XXX ±.051			product family	METRAL
CE	DG07-0487	Cenh	12/04/07		0 ±.2			size	213
CF	DG08-0248	Cenh	09/26/08	dr	I.BRINGARD 11/19/99			dwg no	85674
CG	DG08-0303	Cenh	10/30/08	eng	M.STRAMSER 11/19/99			code	1 of 10
CH	DG09-0073	Cenh	03/05/09	chr	M.STRAMSER 11/19/99	scale	2:1		
-	-	-	-	appd	M.STRAMSER 02/29/00				
sheet	revision	CH	CH	CH	CH	CH	CH	CH	CH
index	sheet	1	2	3	4	5	6	7	8

Pro/E

cage code 22526

PDM: Rev:CH

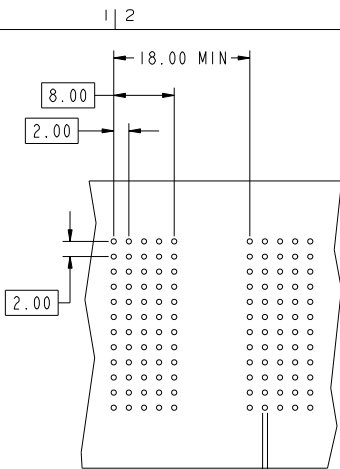
STATUS:Released

Printed: May 16, 2009



This document is the property of, and embodies CONFIDENTIAL and PROPRIETARY information of FCI. No part of the information shown on this document may be used in any way or published or transmitted in any form or by any means without the written consent of FCI. Copyright FCI.

REV: 2008-04-08



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

KEY (SIGNAL PRESS-FIT)		
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
11	6.50	17.00
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
22	5.00	12.10
29	8.00	14.60
30	5.00	12.90
31	5.75	12.90
40	5.00	15.60
41	6.50	15.60
49	5.75	15.10
52	8.00	15.10
59	5.00	11.80
61	6.50	11.80
64	5.75	14.90
65	5.00	16.30
67	7.25	16.30

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
itr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY		title		
CH					0.XX ±0.13	MM	A		METRAL SIGNAL HEADER		
				angles	.XXX ±.051	scale	3:2		I MOD, 5 ROW PRESS-FIT		
				dr	0° ±2°				product family	METRAL	
				eng	I.BRINGARD 11/19/99				size	85674	code
				chr	M.STRAMSER 11/19/99				dwg no		213
				appd	M.STRAMSER 02/29/00						sheet
sheet index	revision sheet										2

cage code 22526





This document is the property of, and embodies  
 CONFIDENTIAL and PROPRIETARY information of FCI.  
 No part of the information shown on this  
 document may be used in any way or  
 transmitted in any form or by any means  
 without the written consent of FCI.  
 Copyright FCI.

REV: 2008-04-10

METRAL P/N	ROW	CONTACT MOD. I	CONTACT CODE	MOD. I
85674-X25	E	2	2	2
	D	2	2	2
	C	2	2	2
	B	2	2	2
85674-X25LF	A	2	2	2
	.....			
	.....			
	.....			
85674-X26	E	2	2	6
	D	2	2	6
	C	2	2	6
	B	2	2	6
85674-X26LF	A	2	2	6
	.....			
	.....			
	.....			
85674-X27	E	2	2	6
	D	2	2	6
	C	2	2	6
	B	2	2	6
85674-X27LF	A	2	2	6
	.....			
	.....			
	.....			
85674-X28	E	3	3	3
	D	1	1	1
	C	1	1	1
	B	1	1	1
85674-X28LF	A	1	1	1
	.....			
	.....			
	.....			
85674-X29	E	3	3	3
	D	3	3	3
	C	3	3	3
	B	3	3	3
85674-X29LF	A	3	3	3
	.....			
	.....			
	.....			
85674-X30	E	7	7	7
	D	7	7	7
	C	7	7	7
	B	7	7	7
85674-X30LF	A	7	7	7
	.....			
	.....			
	.....			
85674-X31	E	4	2	2
	D	4	2	2
	C	4	2	2
	B	4	2	2
85674-X31LF	A	4	2	2
	.....			
	.....			
	.....			
85674-X32	E	2	2	2
	D	2	2	2
	C	2	2	2
	B	2	2	2
85674-X32LF	A	2	2	2
	.....			
	.....			
	.....			
85674-X33	E	2	2	2
	D	2	2	2
	C	2	2	2
	B	2	2	2
85674-X33LF	A	2	2	2
	.....			
	.....			
	.....			
85674-X34	E	2	2	2
	D	2	2	2
	C	2	2	2
	B	2	2	2
85674-X34LF	A	2	2	2
	.....			
	.....			
	.....			
85674-X35	E	2	2	2
	D	2	2	2
	C	2	2	2
	B	2	2	2
85674-X35LF	A	2	2	2
	.....			
	.....			
	.....			
85674-X36	E	2	2	2
	D	2	2	2
	C	2	2	2
	B	2	2	2
85674-X36LF	A	2	2	2
	.....			
	.....			
	.....			
85674-X37	E	2	2	2
	D	2	2	2
	C	2	2	2
	B	2	2	2
85674-X37LF	A	2	2	2
	.....			
	.....			
	.....			
85674-X38	E	2	2	2
	D	2	2	2
	C	2	2	2
	B	2	2	2
85674-X38LF	A	2	2	2
	.....			
	.....			
	.....			
85674-X39	E	6	6	6
	D	6	6	6
	C	6	6	6
	B	6	6	6
85674-X39LF	A	6	6	6
	.....			
	.....			
	.....			
85674-X40	E	1	1	1
	D	2	2	2
	C	2	2	2
	B	2	1	1
85674-X40LF	A	1	1	1
	.....			
	.....			
	.....			
85674-X41	E	1	1	1
	D	2	2	1
	C	2	2	2
	B	2	2	2
85674-X41LF	A	2	1	1
	.....			
	.....			
	.....			
85674-X42	E	2	2	2
	D	2	2	2
	C	2	2	2
	B	2	2	2
85674-X42LF	A	2	2	2
	.....			
	.....			
	.....			
85674-X43	E	5	5	5
	D	6	6	6
	C	6	6	6
	B	5	5	5
85674-X43LF	A	5	5	5
	.....			
	.....			
	.....			
85674-X44	E	6	6	6
	D	6	6	6
	C	6	6	6
	B	5	5	5
85674-X44LF	A	5	5	5
	.....			
	.....			
	.....			
85674-X45	E	3	3	3
	D	3	3	3
	C	3	3	3
	B	3	3	3
85674-X45LF	A	3	3	3
	.....			
	.....			
	.....			
85674-X46	E	5	7	7
	D	7	7	7
	C	7	7	7
	B	7	7	7
85674-X46LF	A	7	7	7
	.....			
	.....			
	.....			
85674-X47	E	7	7	7
	D	7	4	7
	C	4	7	7
	B	7	4	7
85674-X47LF	A	7	7	7
	.....			
	.....			
	.....			
85674-X48	E	5	9	9
	D	5	9	9
	C	5	9	9
	B	5	9	9
85674-X48LF	A	5	9	9
	.....			
	.....			
	.....			

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI	
thr	ecn no.	dr	date	linear	0.X ±0.3	projection	www.fciconnect.com		
CH				angles	0.XX ±0.13		title METRAL SIGNAL HEADER		
				dr	.XX ±.051		I MOD, 5 ROW PRESS-FIT		
				eng	0' ±2"		product family METRAL		
				chr	I.BRINGARD 11/19/99		size		
				appd	M.STRANSER 11/19/99	MM	dwg no 85674		
					M.STRANSER 11/19/99	scale	code 213		
					M.STRANSER 02/29/00	I:1	sheet 4		
sheet index	revision sheet								

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





This document is the property of, and embodies  
 CONFIDENTIAL and PROPRIETARY information of FCI.  
 No part of the information shown on this  
 document may be used in any way or disclosed  
 to anyone other than the intended recipient of  
 FCI without the written consent of FCI.  
 Copyright FCI.

METRAL P/N	ROW	CONTACT CODE MOD. I							
		1	2	3	4	5	6		
85674-X73	E	2	0	6	8	8	6	2	0
	D	2	0	6	8	8	6	2	0
	C	2	0	6	8	8	6	2	0
85674-X73LF	B	2	0	6	8	8	6	2	0
	A	2	0	6	8	8	6	2	0

lin	ecm no.	dr	date	linear	0.X ±0.3 0.XX ±0.13 .XXX ±.051 ° ±2°	CUSTOMER	www.fciconnect.com
CH				angles	of	projection	title
				dr	T.BRINGARD 11/19/99	MM	METRAL SIGNAL HEADER
				eng	M.STRANSER 11/19/99	MM	I MOD, 5 ROW PRESS-FIT
				chr	M.STRANSER 11/19/99	MM	product family
				appd	M.STRANSER 02/29/00	MM	size
sheet index		revision sheet				scale	METRAL code
						1:1	213
							sheet
							6

REV 1 - 2008-04-10









This document is the property of, and embodies  
 CONFIDENTIAL and PROPRIETARY information of FCJ.  
 No part of the information shown on this  
 document may be used in any way or  
 transmitted in any form without the  
 written consent of FCJ.  
 Copyright FCJ.

REV: 2008-10-10

METRAL P/N	CONTACT CODE MOD. I						
	ROW	1	2	3	4	5	6
85674-X145	E	3	3	3	3	2	1
	D	3	3	3	3	2	1
	C	3	3	3	3	2	1
85674-X145LF	B	3	3	3	3	2	1
	D	3	3	3	3	2	1
	A	3	3	3	3	2	1
85674-X146	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X146LF	B	2	2	2	2	2	2
	D	2	2	2	2	2	2
	A	2	2	2	2	2	2
85674-X147	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X147LF	B	2	2	2	2	2	2
	D	2	2	2	2	2	2
	A	2	2	2	2	2	2
85674-X148	E	1	1	2	2	2	2
	D	1	1	2	2	2	2
	C	2	2	2	2	2	2
85674-X148LF	B	1	1	2	2	2	2
	D	1	1	2	2	2	2
	A	1	1	2	2	2	2
85674-X149	E	2	2	2	2	2	2
	D	2	2	2	2	1	2
	C	2	2	2	2	1	2
85674-X149LF	B	2	2	2	2	2	2
	D	2	2	2	2	2	2
	A	2	2	2	2	2	2
85674-X150	E	1	1	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X150LF	B	2	2	2	2	2	2
	D	2	2	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	CONTACT CODE MOD. I						
	ROW	1	2	3	4	5	6
85674-X151	E	6	6	6	6	6	6
	D	6	6	6	6	6	5
	C	6	6	6	6	6	6
85674-X151LF	B	6	6	6	6	6	6
	D	6	6	6	6	6	6
	A	6	6	6	6	6	6
85674-X152	E	7	6	6	6	6	6
	D	7	6	6	6	6	6
	C	6	6	6	6	6	6
85674-X152LF	B	7	6	6	6	6	6
	D	7	6	6	6	6	6
	A	7	6	6	6	6	6
85674-X153	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X153LF	B	2	2	2	2	2	2
	D	2	2	2	2	2	2
	A	2	2	2	2	2	2
85674-X154	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X154LF	B	2	2	2	2	2	2
	D	2	2	2	2	2	2
	A	2	2	2	2	2	2
85674-X155	E	1	1	3	3	3	3
	D	3	1	3	3	3	3
	C	3	1	3	3	3	3
85674-X155LF	B	1	1	3	3	3	3
	D	3	1	3	3	3	3
	A	1	1	3	3	3	3
85674-X156	E	1	1	1	1	1	2
	D	1	1	1	1	1	2
	C	1	1	1	1	1	2
85674-X156LF	B	1	1	1	1	1	2
	D	1	1	1	1	1	2
	A	1	1	1	1	1	2

METRAL P/N	CONTACT CODE MOD. I						
	ROW	1	2	3	4	5	6
85674-X157	E	3	3	3	3	1	3
	D	3	3	3	3	1	3
	C	3	3	3	3	1	3
85674-X157LF	B	3	3	3	3	1	3
	D	3	3	3	3	1	3
	A	3	3	3	3	1	3
85674-X158	E	3	3	3	3	3	3
	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
85674-X158LF	B	3	3	3	3	3	3
	D	3	3	3	3	3	3
	A	3	3	3	3	3	3
85674-X159	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X159LF	B	2	2	2	2	2	2
	D	2	2	2	2	2	2
	A	2	2	2	2	2	2
85674-X160	E	3	3	3	3	3	3
	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
85674-X160LF	B	1	1	3	3	3	3
	D	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	CONTACT CODE MOD. I						
	ROW	1	2	3	4	5	6
85674-X161	E	3	3	3	3	3	3
	D	3	3	3	3	3	3
	C	1	9	1	9	1	9
85674-X161LF	B	3	3	3	3	3	3
	D	3	3	3	3	3	3
	A	3	3	3	3	3	3

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCJ www.fcjconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3 0.XX ±0.13 .XXX ±.051 0" ±Z"	projection	title	product family	code
CH				angles		MM	METRAL SIGNAL HEADER	METRAL	213
				dr	I.BRINGARD 11/19/99	scale	I MOD, 5 ROW PRESS-FIT	size	9
				eng	M.STRAMSER 11/19/99	1:1		85674	
				chr	M.STRAMSER 11/19/99				
				appd	M.STRAMSER 02/29/00				
sheet index	revision								

1 | 2

Pro/E

3 |

cage code 22526

4

PDM: Rev:CH

STATUS:Released

Printed: May 16, 2009

PRODUCT NUMBER
85674-XYX OR 85674-XYXX
85674-XYXLF OR 85674-XYXXLF

NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:  
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:  
85674-XYX IS SnPb  
85674-XYXLF IS Sn (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE  
LEVEL SHOWN IN TABLE BELOW.
- PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN  
SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.  
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"  
WILL BE ADDED TO THE END OF THE PART NUMBER.  
EXAMPLE: XXXXX-XXXXP
- PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.

ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING  
(DRAWING NO.)-N1--- OR (DRAWING NO.)-N5--- WILL WITHSTAND EXPOSURE  
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFAR-RED OR  
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-N1---  
AND (DRAWINGS NO.)-N5--- WILL NOT WITHSTAND REFLOW AND Au CONTACT  
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR  
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-PYX OR -PYYX	0.25 um GOLD MIN.	-
-N1XX OR -N1YYX	TELCORDIA CO (NXT)	-
-N5XX OR -N5YYX	TELCORDIA UE (NXT)	-
-1XX OR -1YYX	TELCORDIA CO	-
-2XX OR -2YYX	TELECOM CLASS	-
-3XX OR -3YYX	IEC CLASS I	-
-5XX OR -5YYX	TELCORDIA UE	-
-9XX OR -9YYX	TELCORDIA CO	-
-N1XXLF OR -N1YYXLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-N5XXLF OR -N5YYXLF	TELCORDIA UE (NXT)	SEE NOTE 9
-1XXLF OR -1YYXLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2XXLF OR -2YYXLF	TELECOM CLASS	SEE NOTE 9
-5XXLF OR -5YYXLF	TELCORDIA UE	SEE NOTE 9



This document is the property of, and embodies  
CONFIDENTIAL and PROPRIETARY information of FCI.  
No part of the information shown on this  
document may be used in any way or  
reproduced in any form without the written consent of FCI.  
Copyright FCI.

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
lfr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY		
CH					0.XX ±0.13		METRAL SIGNAL HEADER		
				angles	.XXX ±.051		1 MOD, 5 ROW PRESS-FIT		
					0° ±2°		METRAL code		
				dr	I.BRINGARD 11/19/99		product family	213	
				eng	M.STRAMSER 11/19/99		size	sheet	
				chr	M.STRAMSER 11/19/99		dwg no	10	
				appd	M.STRAMSER 02/29/00		85674		
sheet index	revision sheet					scale	A		
						1:1			

REV: 2008-04-10

1 | 2

Pro/E

3 |

cage code 22526

4

PDM: Rev:CH

STATUS:Released

Printed: May 16, 2009