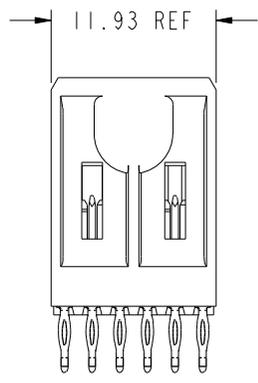
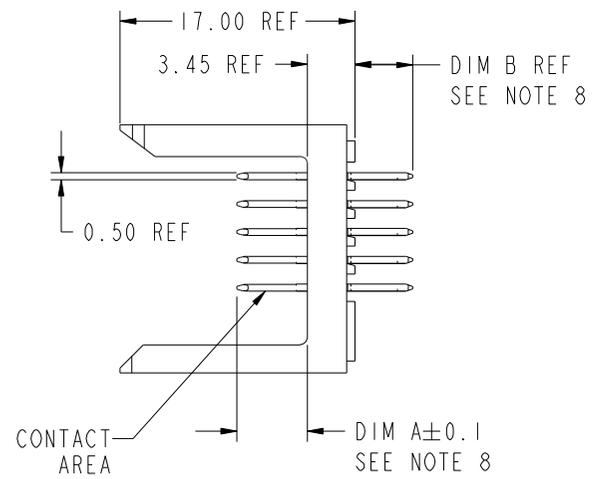
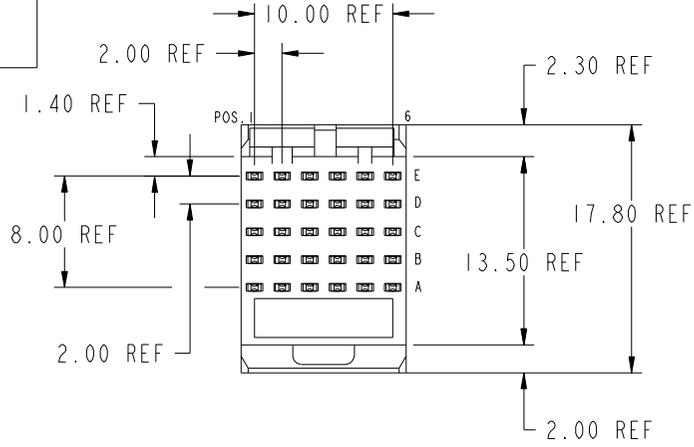


PRODUCT NUMBER
85674-XYX OR 85674-XYXX
85674-XYXLF OR 85674-XYXXLF



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mat'l code				SEE NOTES				tolerances unless otherwise specified				CUSTOMER			FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3			COPY			projection		title		product family		code	
CC	V06-0569	DCH	2006-06-12		0.XX ±0.13			MIM		METRAL		METRAL SIGNAL HEADER		METRAL		213		
CD	DG07-0409	Cenh	10/18/07		.XXX ±.051			MIM		METRAL		I MOD, 5 ROW PRESS-FIT		METRAL		1 of 10		
CE	DG07-0487	Cenh	12/04/07	angles	0° ±2°			MIM		METRAL		METRAL		METRAL		213		
CF	DG08-0246	Cenh	09/26/08	dr	T.BRUNGARD 11/19/99			MIM		METRAL		METRAL		METRAL		213		
CG	DG08-0303	Cenh	10/30/08	enrg	M.STRAWSER 11/19/99			MIM		METRAL		METRAL		METRAL		213		
CH	DG09-0073	Cenh	03/05/09	chr	M.STRAWSER 11/19/99			MIM		METRAL		METRAL		METRAL		213		
-	-	-	-	appd	M.STRAWSER 02/29/00			MIM		METRAL		METRAL		METRAL		213		
sheet index	revision sheet	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	
		1	2	3	4	5	6	7	8	9	10							

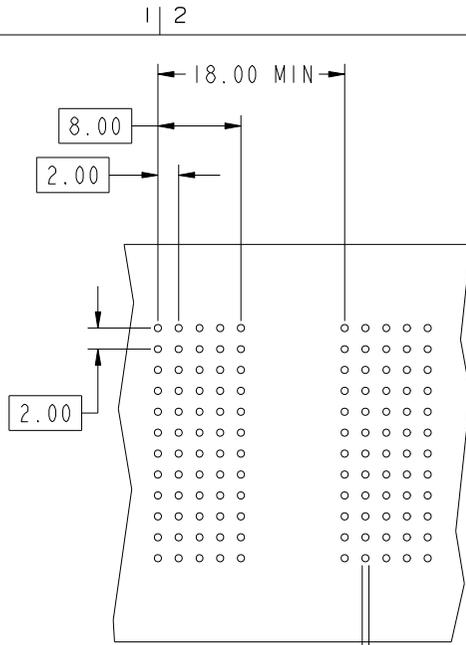
REV E - 2006-04-18

Pro/E 3 cage code 22526 4



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REV E - 2008-04-18



$\varnothing 0.10$   
 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		www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY			title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT		
CH					0.XX ±0.13					product family	METRAL
				angles	.XXX ±.051			size	dwg no	sheet	2
				dr	0° ±2°	scale 3:2		A	85674		
				enr	T.BRUNGARD 11/19/99						
				chr	M.STRAWSER 11/19/99						
				appd	M.STRAWSER 02/29/00						
sheet index	revision sheet										

cage code 22526

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A

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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X01	E	1	1	1	1	1	1
	D	1	1	1	1	1	1
	C	1	1	2	2	2	2
	B	1	1	1	1	1	1
85674-X01LF	A	1	1	1	1	1	1
85674-X02	E	5	5	5	5	5	5
	D	5	5	5	5	5	5
	C	5	5	6	6	6	6
	B	5	5	5	5	5	5
85674-X02LF	A	5	5	5	5	5	5
85674-X03	E	1	1	1	1	1	1
	D	1	1	1	1	1	1
	C	4	4	4	4	4	4
	B	1	1	1	1	1	1
85674-X03LF	A	1	1	1	1	1	1
85674-X04	E	1	1	1	1	1	1
	D	1	1	1	1	1	1
	C	8	8	8	8	8	8
	B	1	1	1	1	1	1
85674-X04LF	A	1	1	1	1	1	1
85674-X05	E	8	8	8	8	8	8
	D	8	8	8	8	8	8
	C	8	8	8	8	8	8
	B	5	5	5	5	5	5
85674-X05LF	A	5	5	5	5	5	5
85674-X06	E	5	5	5	5	5	5
	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	5	5	5	8	8	5
85674-X06LF	A	5	5	5	8	8	5
85674-X07	E	5	5	5	5	5	5
	D	5	5	5	5	5	5
	C	8	8	8	8	8	8
	B	5	5	5	5	5	5
85674-X07LF	A	5	5	5	5	5	5
85674-X08	E	8	8	8	8	8	5
	D	8	8	8	8	8	5
	C	8	8	8	8	8	5
	B	8	8	8	8	8	5
85674-X08LF	A	8	8	8	8	8	5
85674-X09	E	5	5	5	5	5	5
	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	5	5	5	5	8	5
85674-X09LF	A	5	5	5	5	8	5
85674-X10	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	-	-	-	-	2
85674-X10LF	A	2	-	-	-	-	2
85674-X11	E	6	6	6	6	20	6
	D	6	6	6	6	20	6
	C	6	6	6	20	20	6
	B	6	6	6	6	20	6
85674-X11LF	A	6	6	6	6	20	6
85674-X12	E	3	2	2	2	2	2
	D	3	2	2	2	1	2
	C	3	2	2	2	2	2
	B	3	2	2	2	2	2
85674-X12LF	A	3	2	2	2	2	2
85674-X13	E	1	1	-	1	1	1
	D	1	1	-	1	1	1
	C	1	1	-	-	-	-
	B	1	1	-	1	1	1
85674-X13LF	A	1	1	-	1	1	1
85674-X14	E	2	2	49	49	49	49
	D	2	2	49	49	49	49
	C	2	2	49	49	49	49
	B	2	2	49	49	49	49
85674-X14LF	A	2	2	49	49	49	49
85674-X15	E	49	49	49	49	2	2
	D	49	49	49	49	2	2
	C	49	49	49	49	2	2
	B	49	49	49	49	2	2
85674-X15LF	A	49	49	49	49	2	2
85674-X16	E	2	2	2	2	2	2
	D	1	3	2	3	2	3
	C	1	3	2	3	2	3
	B	1	3	2	3	2	3
85674-X16LF	A	1	3	2	3	2	3
85674-X17	E	22	22	22	22	22	22
	D	22	22	22	31	22	22
	C	22	22	22	22	22	22
	B	22	22	22	22	22	22
:85674-X17LF	A	22	22	22	22	7	22
85674-X18	E	7	7	7	7	7	-
	D	7	7	7	7	7	-
	C	7	7	7	7	7	-
	B	-	7	7	7	7	-
85674-X18LF	A	-	7	7	7	7	-
85674-X19	E	3	3	3	3	3	-
	D	3	3	3	3	3	-
	C	3	3	3	3	3	-
	B	-	3	3	3	3	-
85674-X19LF	A	-	3	3	3	3	-
85674-X20	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	1	2
85674-X20LF	A	2	2	2	1	1	2
85674-X21	E	19	2	4	4	2	4
	D	19	2	4	4	2	4
	C	19	2	4	4	2	4
	B	19	2	4	4	2	4
85674-X21LF	A	19	2	4	4	2	4
85674-X22	E	7	7	7	7	7	7
	D	7	7	7	3	7	7
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
85674-X22LF	A	7	7	7	7	7	7
85674-X23	E	7	7	7	7	7	7
	D	7	7	7	7	7	7
	C	7	7	7	7	7	7
	B	3	7	7	7	7	7
85674-X23LF	A	7	7	7	7	7	7
85674-X24	E	52	7	7	7	7	7
	D	52	7	22	7	7	7
	C	52	7	7	7	7	7
	B	52	7	7	7	7	7
85674-X24LF	A	52	7	7	7	7	7

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mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		title		METRAL SIGNAL HEADER	
CH					0.XX ±0.13	projection		I MOD, 5 ROW PRESS-FIT		product family	
				angles	.XXX ±.051			size		METRAL	
				dr	0° ±2°			dwg no		code	
				enr	T.BRUNGARD 11/19/99	scale		85674		213	
				chr	M.STRAWSER 11/19/99	1:1		A		sheet	
				appd	M.STRAWSER 02/29/00					3	
sheet index	revision sheet										

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A

B

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X25	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X25LF	B	-	-	-	-	-	2
	A	2	-	2	-	-	2
85674-X26	E	2	2	2	6	6	6
	D	2	2	2	6	6	6
	C	2	2	2	6	6	6
85674-X26LF	B	2	2	2	6	6	6
	A	2	2	2	6	6	6
85674-X27	E	2	2	6	6	6	2
	D	2	2	6	6	6	2
	C	2	2	6	6	6	2
85674-X27LF	B	2	2	6	6	6	2
	A	2	2	6	6	6	2
85674-X28	E	3	3	3	3	3	3
	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
85674-X28LF	B	1	1	1	1	1	1
	A	1	1	1	1	1	1
85674-X29	E	3	3	3	3	1	3
	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
85674-X29LF	B	3	3	3	3	3	3
	A	3	3	3	3	3	3
85674-X30	E	7	7	7	7	5	7
	D	7	7	7	7	7	7
	C	7	7	7	7	7	7
85674-X30LF	B	7	7	7	7	7	7
	A	7	7	7	7	7	7
85674-X31	E	4	2	2	2	2	2
	D	4	2	2	2	1	2
	C	4	2	2	2	2	2
85674-X31LF	B	4	2	2	2	2	2
	A	4	2	2	2	2	2
85674-X32	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	4	4	2	2
85674-X32LF	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
85674-X33	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	4	4	2	2
85674-X33LF	B	2	2	2	2	2	2
	A	2	2	4	4	2	2
85674-X34	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X34LF	B	2	2	2	2	2	4
	A	2	2	2	2	2	4
85674-X35	E	2	2	4	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X35LF	B	2	2	2	2	2	2
	A	2	2	2	4	2	2
85674-X36	E	2	2	4	4	2	2
	D	2	2	2	2	2	2
	C	2	2	4	4	2	2
85674-X36LF	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
85674-X37	E	2	2	2	2	2	4
	D	2	2	2	2	2	4
	C	2	2	2	2	2	4
85674-X37LF	B	2	2	2	2	2	4
	A	2	2	2	2	2	4
85674-X38	E	2	2	2	2	2	4
	D	2	2	2	2	2	4
	C	2	2	2	2	2	2
85674-X38LF	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
85674-X39	E	6	6	6	6	6	8
	D	6	6	6	6	6	8
	C	6	6	6	6	6	6
85674-X39LF	B	6	6	6	6	6	6
	A	6	6	6	6	6	6
85674-X40	E	1	1	1	1	1	1
	D	2	2	2	2	2	2
	C	2	2	2	1	1	1
85674-X40LF	B	2	1	1	1	1	1
	A	1	1	1	1	1	1
85674-X41	E	1	1	1	1	2	3
	D	2	2	2	1	1	3
	C	2	2	2	2	2	4
85674-X41LF	B	2	2	2	2	2	3
	A	2	2	1	1	1	3
85674-X42	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X42LF	B	2	2	2	2	1	2
	A	2	2	2	2	2	2
85674-X43	E	5	5	5	5	5	5
	D	6	6	6	6	6	6
	C	6	6	6	5	5	5
85674-X43LF	B	6	5	5	5	5	5
	A	5	5	5	5	5	5
85674-X44	E	6	6	6	6	6	6
	D	6	6	6	6	5	5
	C	6	6	6	6	6	6
85674-X44LF	B	5	6	5	5	5	6
	A	5	6	5	5	5	6
85674-X45	E	3	3	3	3	2	3
	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
85674-X45LF	B	3	3	3	3	3	3
	A	3	3	3	3	3	3
85674-X46	E	5	7	7	7	7	7
	D	7	7	7	7	7	7
	C	7	7	7	7	7	7
85674-X46LF	B	7	7	7	7	7	7
	A	7	7	7	7	7	7
85674-X47	E	7	7	7	7	7	7
	D	7	4	1	7	7	7
	C	4	1	7	4	1	7
85674-X47LF	B	7	7	4	1	7	7
	A	7	7	7	6	1	7
85674-X48	E	-	59	59	59	59	59
	D	-	59	59	59	59	59
	C	-	59	59	59	59	59
85674-X48LF	B	-	59	59	59	59	59
	A	-	59	59	59	59	59

A

B

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		title		METRAL SIGNAL HEADER	
CH					0.XX ±0.13	projection		I MOD, 5 ROW PRESS-FIT		product family	
				angles	.XXX ±.051			size		METRAL	
				dr	0° ±2°			dwg no		code	
				enrg	T.BRUNGARD 11/19/99	scale		85674		213	
				chr	M.STRAWSER 11/19/99	1:1		A		sheet	
				appd	M.STRAWSER 02/29/00					4	
sheet index	revision sheet										

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METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X49	E	3	3	3	3	3
	D	3	3	3	3	3
	C	-	-	3	3	3
85674-X49LF	B	-	-	-	-	3
	A	3	3	-	-	3

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X50	E	3	3	3	3	3
	D	3	3	19	3	3
	C	3	3	19	3	3
85674-X50LF	B	3	3	3	3	3
	A	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X51	E	5	5	5	5	5
	D	6	6	6	6	6
	C	6	6	6	5	5
85674-X51LF	B	6	5	5	5	5
	A	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X52	E	1	1	1	1	1
	D	1	1	1	1	1
	C	3	1	1	1	3
85674-X52LF	B	1	1	1	1	1
	A	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X53	E	3	3	3	3	3
	D	2	2	2	2	3
	C	2	2	2	1	1
85674-X53LF	B	2	2	1	1	1
	A	3	2	3	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X54	E	2	2	2	2	2
	D	2	2	1	1	3
	C	2	2	1	1	3
85674-X54LF	B	2	2	1	1	3
	A	3	2	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X55	E	1	3	1	1	1
	D	1	3	1	1	1
	C	1	3	1	1	1
85674-X55LF	B	1	3	1	1	1
	A	1	3	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X56	E	5	6	6	6	6
	D	5	6	6	6	6
	C	5	6	6	6	6
85674-X56LF	B	5	6	6	6	6
	A	5	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X57	E	5	6	6	6	6
	D	5	6	6	6	6
	C	5	6	6	6	6
85674-X57LF	B	6	6	6	6	6
	A	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X58	E	1	2	2	2	2
	D	1	2	2	2	2
	C	1	2	2	2	2
85674-X58LF	B	2	2	2	2	2
	A	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X59	E	3	3	3	1	3
	D	3	3	19	3	3
	C	19	3	19	3	3
85674-X59LF	B	3	19	3	3	3
	A	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X60	E	-	1	1	1	1
	D	-	1	1	1	1
	C	-	1	1	1	1
85674-X60LF	B	-	1	1	1	1
	A	-	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X61	E	3	19	3	3	3
	D	3	19	3	3	3
	C	3	19	3	3	3
85674-X61LF	B	3	19	3	3	3
	A	3	19	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X62	E	2	2	2	1	2
	D	2	2	2	1	2
	C	2	2	2	1	2
85674-X62LF	B	2	2	2	1	2
	A	1	2	2	1	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X63	E	2	2	2	2	1
	D	2	2	2	2	1
	C	1	2	2	2	1
85674-X63LF	B	2	2	2	2	1
	A	1	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X64	E	2	1	2	2	1
	D	2	2	2	2	1
	C	2	2	1	1	1
85674-X64LF	B	2	2	2	2	1
	A	2	2	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X65	E	3	3	3	3	3
	D	3	3	3	3	3
	C	3	3	3	3	3
85674-X65LF	B	3	3	3	3	3
	A	3	3	3	3	4

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X66	E	2	2	2	2	2
	D	2	2	2	2	1
	C	2	2	2	2	2
85674-X66LF	B	2	2	2	2	2
	A	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X67	E	2	2	2	2	2
	D	2	1	2	2	1
	C	2	2	2	2	2
85674-X67LF	B	2	2	2	2	2
	A	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X69	E	6	6	6	6	6
	D	6	5	6	6	6
	C	6	6	6	6	6
85674-X69LF	B	6	6	6	6	6
	A	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X70	E	19	2	4	4	2
	D	19	2	4	4	2
	C	19	2	4	4	2
85674-X70LF	B	19	2	4	4	2
	A	19	2	4	4	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
85674-X71	E	2	2	2	2	19
	D	2	2	2	2	19
	C	2	2	2	2	19
85674-X71LF	B	2	2	2	2	19
	A	2	2	2	2	19

A

A

B

B

mat'l code		--	tolerances unless otherwise specified		CUSTOMER	 www.fciconnect.com
lfr	ecn no.	dr	date	linear	COPY	
CH				angles	projection	title
				dr		METRAL SIGNAL HEADER
				enrg		1 MOD, 5 ROW PRESS-FIT
				chr	scale	product family
				appd	1:1	METRAL
sheet index	revision sheet					size
						dwg no
						85674
						code
						213
						sheet
						5
						cage code
						22526



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B

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X73	E	20	6	8	8	6	20
	D	20	6	8	8	6	20
85674-X73LF	C	20	6	8	8	6	20
	B	20	6	8	8	6	20
85674-X73LF	A	20	6	8	8	6	20

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X74	E	2	2	2	2	2	1
	D	2	2	2	2	2	2
85674-X74LF	C	2	2	2	2	2	2
	B	2	2	2	2	1	2
85674-X74LF	A	2	2	2	2	1	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X75	E	2	2	2	2	3	3
	D	2	2	2	2	3	3
85674-X75LF	C	2	2	2	2	3	3
	B	4	4	4	4	3	3
85674-X75LF	A	4	4	4	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X76	E	2	2	2	3	3	3
	D	2	2	2	3	3	3
85674-X76LF	C	2	2	2	3	3	3
	B	2	2	2	3	3	3
85674-X76LF	A	2	2	2	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X77	E	3	3	3	2	2	2
	D	3	3	3	2	2	2
85674-X77LF	C	3	3	3	2	2	2
	B	3	3	3	2	2	2
85674-X77LF	A	3	3	3	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X78	E	3	4	2	2	2	3
	D	3	4	2	2	2	3
85674-X78LF	C	3	4	2	2	2	3
	B	3	4	2	2	2	3
85674-X78LF	A	3	4	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X79	E	3	2	2	2	2	2
	D	3	2	2	2	2	2
85674-X79LF	C	3	2	2	2	2	2
	B	3	2	2	2	2	2
85674-X79LF	A	3	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X80	E	2	2	1	1	3	3
	D	2	2	3	3	3	3
85674-X80LF	C	2	2	3	3	3	3
	B	1	2	3	3	3	3
85674-X80LF	A	1	2	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X81	E	2	2	3	3	3	4
	D	2	2	3	3	3	4
85674-X81LF	C	2	2	3	3	3	4
	B	2	2	3	3	3	4
85674-X81LF	A	2	2	3	3	3	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X82	E	3	3	3	3	3	1
	D	3	3	3	3	3	1
85674-X82LF	C	3	3	3	3	3	1
	B	3	3	3	3	3	1
85674-X82LF	A	3	3	3	3	3	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X83	E	1	3	3	3	3	3
	D	1	3	3	3	3	3
85674-X83LF	C	1	3	3	3	3	3
	B	1	3	3	3	3	3
85674-X83LF	A	1	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X84	E	3	3	1	2	2	3
	D	3	3	1	2	2	3
85674-X84LF	C	3	3	1	2	2	3
	B	3	3	1	2	2	3
85674-X84LF	A	3	3	1	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X85	E	7	7	6	8	3	3
	D	7	7	6	8	3	3
85674-X85LF	C	7	7	6	8	3	3
	B	7	7	6	8	3	3
85674-X85LF	A	7	7	6	8	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X86	E	4	4	4	4	3	3
	D	4	4	4	4	3	3
85674-X86LF	C	4	4	4	4	3	3
	B	4	4	4	4	3	3
85674-X86LF	A	4	4	4	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X87	E	3	4	3	4	3	4
	D	3	4	3	4	3	4
85674-X87LF	C	3	4	4	4	4	4
	B	3	4	2	4	2	4
85674-X87LF	A	3	4	2	4	2	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X88	E	8	7	8	8	7	7
	D	8	7	8	8	7	7
85674-X88LF	C	8	7	8	8	7	7
	B	8	7	8	8	7	7
85674-X88LF	A	8	7	8	8	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X89	E	3	8	6	6	6	6
	D	3	8	6	6	6	6
85674-X89LF	C	3	8	6	6	6	6
	B	3	8	6	6	6	6
85674-X89LF	A	3	8	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X90	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
85674-X90LF	C	2	2	2	2	2	4
	B	2	2	2	2	2	2
85674-X90LF	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X91	E	4	3	4	3	4	4
	D	4	3	4	3	4	4
85674-X91LF	C	4	4	4	4	4	4
	B	4	2	4	2	4	4
85674-X91LF	A	4	2	4	2	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X92	E	3	4	3	4	3	4
	D	3	4	3	4	3	4
85674-X92LF	C	4	4	4	4	4	4
	B	2	4	2	4	2	4
85674-X92LF	A	2	4	2	4	2	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X93	E	3	4	2	2	2	2
	D	3	4	2	2	2	2
85674-X93LF	C	3	4	2	2	2	2
	B	3	4	2	2	2	2
85674-X93LF	A	3	4	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X94	E	4	3	4	3	4	4
	D	4	3	4	3	4	4
85674-X94LF	C	4	4	4	4	4	4
	B	4	2	4	2	4	4
85674-X94LF	A	4	2	4	2	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X95	E	4	4	3	4	3	4
	D	4	4	3	4	3	4
85674-X95LF	C	4	4	4	4	4	4
	B	4	4	2	4	2	4
85674-X95LF	A	4	4	2	4	2	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X96	E	3	4	3	4	1	2
	D	3	4	3	4	2	2
85674-X96LF	C	4	4	4	4	4	2
	B	2	4	2	4	1	2
85674-X96LF	A	2	4	2	4	1	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X97	E	3	4	3	4	1	2
	D	3	4	3	4	2	2
85674-X97LF	C	4	4	4	4	4	2
	B	2	4	2	4	1	2
85674-X97LF	A	2	4	2	4	1	2

mat'l code		--		Tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3	COPY		title		METRAL SIGNAL HEADER	
CH				angles	0.XX ±0.13	projection		I MOD, 5 ROW PRESS-FIT			



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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85674-X97	E	4	-	4	4	4	3
	D	4	-	4	4	4	3
	C	4	-	4	4	4	3
85674-X97LF	B	4	-	4	4	4	3
	A	4	-	4	4	4	3
85674-X98	E	3	4	3	3	3	3
	D	3	4	3	3	3	3
	C	3	4	3	3	3	3
85674-X98LF	B	3	4	3	3	3	3
	A	3	4	3	3	3	3
85674-X99	E	2	2	1	1	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X99LF	B	1	2	2	2	2	2
	A	1	2	2	2	2	2
85674-X100	E	2	2	1	2	2	2
	D	2	2	1	2	2	2
	C	2	2	2	2	2	2
85674-X100LF	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
85674-X101	E	2	2	2	2	2	1
	D	2	2	2	2	2	2
	C	2	1	2	2	2	2
85674-X101LF	B	2	1	2	2	1	2
	A	2	2	2	2	1	2
85674-X102	E	4	4	-	2	2	2
	D	4	4	-	2	2	4
	C	4	4	-	2	2	2
85674-X102LF	B	-	-	-	2	2	2
	A	4	2	2	2	2	2
85674-X103	E	29	29	29	7	7	7
	D	29	29	29	7	7	7
	C	29	29	29	7	7	7
85674-X103LF	B	29	29	29	7	7	7
	A	29	29	29	7	7	7
85674-X104	E	7	7	7	29	29	29
	D	7	7	7	29	29	29
	C	7	7	7	29	29	29
85674-X104LF	B	7	7	7	29	29	29
	A	7	7	7	29	29	29
85674-X105	E	7	8	7	8	7	8
	D	7	8	7	8	7	8
	C	8	8	8	8	8	8
85674-X105LF	B	6	8	6	8	6	8
	A	6	8	6	8	6	8
85674-X106	E	7	8	7	8	1	2
	D	7	8	7	8	2	2
	C	8	8	8	8	2	2
85674-X106LF	B	6	8	6	8	1	2
	A	6	8	6	8	1	2
85674-X107	E	19	19	19	3	3	3
	D	19	19	19	3	3	3
	C	19	19	19	3	3	3
85674-X107LF	B	19	19	19	3	3	3
	A	19	19	19	3	3	3
85674-X108	E	3	3	3	19	19	19
	D	3	3	3	19	19	19
	C	3	3	3	19	19	19
85674-X108LF	B	3	3	3	19	19	19
	A	3	3	3	19	19	19
85674-X109	E	2	2	2	2	2	2
	D	3	2	2	2	2	2
	C	4	2	2	2	2	4
85674-X109LF	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
85674-X110	E	2	2	2	2	2	19
	D	2	2	2	2	2	19
	C	2	2	2	2	2	19
85674-X110LF	B	2	2	2	2	2	19
	A	2	2	2	4	2	19
85674-X111	E	6	6	6	6	6	20
	D	6	6	6	6	6	20
	C	6	6	6	6	6	20
85674-X111LF	B	6	6	6	6	6	20
	A	6	6	6	8	6	20
85674-X112	E	64	64	64	64	64	64
	D	64	64	64	64	64	64
	C	67	64	64	64	64	64
85674-X112LF	B	64	64	64	64	64	64
	A	64	64	64	64	64	64
85674-X113	E	67	64	64	64	64	64
	D	67	64	64	64	64	64
	C	67	64	64	64	64	64
85674-X113LF	B	67	64	64	64	64	64
	A	67	64	64	64	64	64
85674-X114	E	6	-	6	-	6	-
	D	-	-	-	-	-	-
	C	6	-	6	-	6	-
85674-X114LF	B	-	-	-	-	-	-
	A	6	-	6	-	6	-
85674-X115	E	64	64	64	64	64	64
	D	64	64	64	64	64	64
	C	65	64	64	64	64	64
85674-X115LF	B	64	64	64	64	64	64
	A	64	64	64	64	64	64
85674-X116	E	4	4	-	2	2	2
	D	4	4	-	2	2	4
	C	4	4	-	2	2	2
85674-X116LF	B	-	-	-	2	2	2
	A	4	4	4	4	4	4
85674-X117	E	-	4	2	4	2	4
	D	-	4	2	4	2	4
	C	-	4	4	4	4	4
85674-X117LF	B	-	4	2	4	2	4
	A	-	4	2	4	2	4
85674-X118	E	2	2	19	19	19	19
	D	2	2	19	19	19	19
	C	2	2	19	19	19	19
85674-X118LF	B	2	2	19	19	19	19
	A	2	2	19	19	19	19
85674-X119	E	1	1	1	3	1	1
	D	1	1	1	3	1	1
	C	1	1	1	3	1	1
85674-X119LF	B	1	1	1	3	1	1
	A	1	1	1	3	1	1
85674-X120	E	1	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
85674-X120LF	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		title		METRAL SIGNAL HEADER	
CH					0.XX ±0.13	projection		product family		METRAL	
				angles	.XXX ±.051			size		213	
				dr	0° ±2°			dwg no		7	
				enr	T.BRUNGARD 11/19/99	scale		85674		sheet	
				chr	M.STRAWSER 11/19/99	1:1		A		7	
				appd	M.STRAWSER 02/29/00						
sheet index	revision sheet										

A

B

1 | 2

Pro/E

3 |

cage code 22526

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METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
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
	A	3	3	3	3	2	1

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
85674-X146	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	3	2	2
85674-X146LF	B	2	2	2	3	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
85674-X147	E	2	2	2	2	2	2
	D	2	2	1	2	2	2
	C	2	2	2	2	2	2
85674-X147LF	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
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
	A	1	1	2	2	2	2

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
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
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
85674-X150	E	1	1	1	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
	A	2	2	2	2	2	2

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

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

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
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
	A	2	2	1	2	2	2

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
85674-X154	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	1	2	2
85674-X154LF	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
85674-X155	E	1	1	9	3	3	3
	D	3	1	9	3	3	3
	C	3	1	9	3	3	3
85674-X155LF	B	1	9	3	3	3	3
	A	1	9	3	3	3	3

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
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
	A	1	1	1	1	1	2

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
85674-X157	E	3	3	3	3	1	9
	D	3	3	3	3	1	9
	C	3	3	3	3	1	9
85674-X157LF	B	3	3	3	3	1	9
	A	3	3	3	3	1	9

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
85674-X158	E	3	3	3	3	3	3
	D	3	3	3	3	3	3
	C	3	3	3	3	3	1
85674-X158LF	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
85674-X159	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	1	2
85674-X159LF	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
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
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT MOD.					CODE
		1	2	3	4	5	
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
	A	3	3	3	3	3	3

mat'l code		--		Tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection		title	
CH				angles	0.XX ±0.13	MIM				METRAL SIGNAL HEADER	
				dr	.XXX ±.051	scale				I MOD, 5 ROW PRESS-FIT	
				enr	0° ±2°	1:1		product family		METRAL	
				chr	T.BRUNGARD 11/19/99	A		size		213	
				appd	M.STRAWSER 11/19/99			dwg no		85674	
					M.STRAWSER 02/29/00			sheet		9	
sheet index	revision sheet										

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-XXXX
- 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
-PYY OR -PYXX	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	-
-9YY OR -9YYY	TELCORDIA CO	-
-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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mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY		title METRAL SIGNAL HEADER I MOD, 5 ROW PRESS-FIT			
CH					0.XX ±0.13		projection					
				angles	.XXX ±.051		MIM		product family METRAL code 213			
					0° ±2°							
				dr	T.BRUNGARD	11/19/99	scale 1:1		size A		dwg no 85674 sheet 10	
				enr	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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[137LF](#)