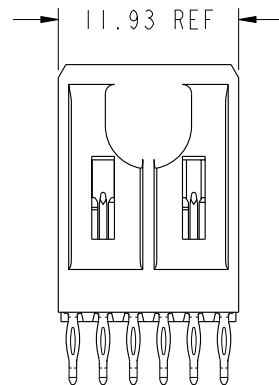
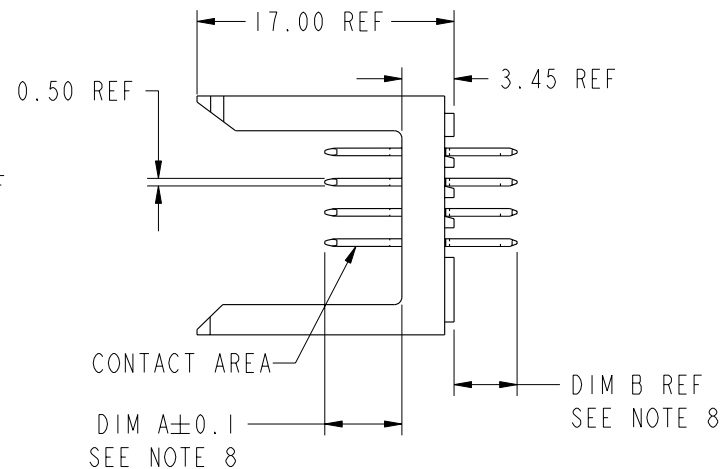
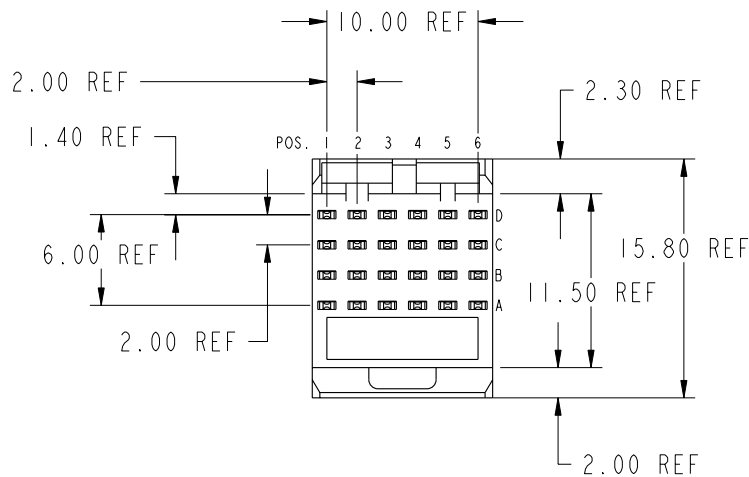
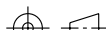
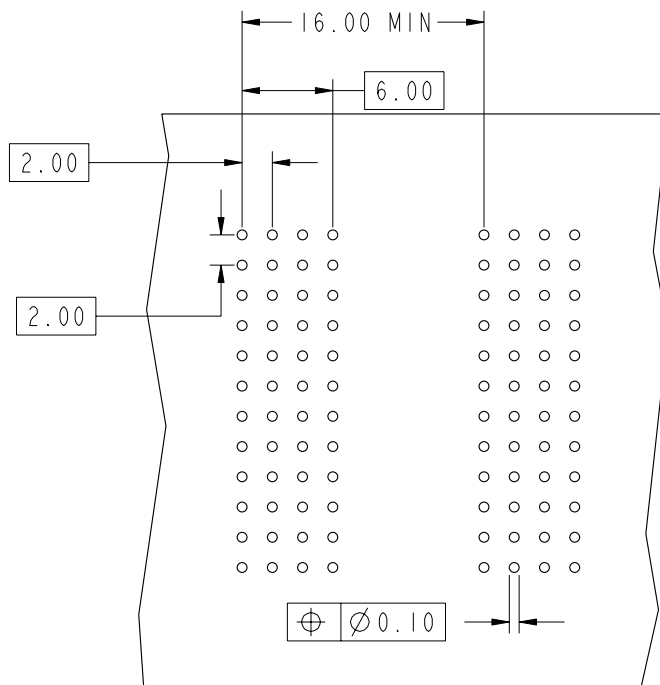


PRODUCT NUMBER
SEE TABLE



mat'l code				--				tolerances unless otherwise specified				CUSTOMER				www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0.X ± 0.3				COPY			title							
AH	V06-0569	DCH	2006-06-13		0.XX ± 0.13				projection			METRAL SIGNAL HEADER							
-	-	-	-		.XXX ± .051							1 MOD, 4 ROW PRESS-FIT							
AC	VI2178	JWS	08/23/01	angles	0° ± 2°														
AD	V03-0025	JWS	02/06/03	dr	T.BRUNGARD 11/19/99				MM		product family		METRAL				code		
AE	V03-1321	DAI	01/15/04	enrg	M.STRAWSE 11/19/99				MM		size <td colspan="2">dwg no</td> <td colspan="4">213</td>		dwg no		213				
AF	V04-0794	TAB	08/13/04	chr	M.STRAWSE 11/19/99				scale		A		88921		sheet				
AG	V05-0368	DPU	06/01/05	appd	M.STRAWSE 02/29/00				2:1		A		88921		1 of 6				
sheet index		revision sheet		AH	AH	AH	AH	AH	AH										
				1	2	3	4	5	6										

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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
12	7.25	17.00
13	8.25	4.30
14	8.25	13.60
15	8.25	17.00
16	7.00	4.30
17	7.00	13.60
18	7.00	17.00
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
22	5.00	12.10
25	5.75	15.60

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
40	5.00	15.60
41	6.50	15.60
42	7.25	15.60
43	8.00	15.60
44	5.75	12.10
45	6.50	12.10
59	5.00	11.80
60	5.75	11.80
61	6.50	11.80
62	7.25	11.80
63	8.00	11.80

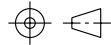
mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT
AH					0.XX ±0.13				
					.XXX ±.051				
				angles	0° ±2°	MM 2:1	scale	product family	METRAL
				dr	T.BRUNGARD 11/19/99				
				enr	M.STRAWSE 11/19/99				
				chr	M.STRAWSE 11/19/99	size	dwg no	A	88921
				appd	M.STRAWSE 02/29/00				
sheet index	revision sheet								



PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFORMANCE LEVEL OF PLATING IN CONTACT AREA
88921-NIYY	STANDARD	TIN LEAD	TELCORDIA CO (NXT)
88921-N5YY	STANDARD	TIN LEAD	TELCORDIA UE (NXT)
88921-IYY	STANDARD	TIN LEAD	TELCORDIA CO
88921-2YY	STANDARD	TIN LEAD	TELECOM CLASS
88921-3YY	STANDARD	TIN LEAD	IEC CLASS I
88921-5YY	STANDARD	TIN LEAD	TELCORDIA UE
88921-9YY	STANDARD	TIN LEAD	TELCORDIA CO
88921-NIYYLF	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 9 AND 10
88921-N5YYLF	LEAD FREE	TIN	TELCORDIA UE (NXT) SEE NOTES 9 AND 10
88921-IYYLF	LEAD FREE	TIN	TELCORDIA CO , IEC CLASS I, SEE NOTES 9 AND 10
88921-2YYLF	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 9 AND 10
88921-5YYLF	LEAD FREE	TIN	TELECORDIA UE , SEE NOTES 9 AND 10

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 AREA :SEE PRODUCT NUMBER TABLE.
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE ON SHEET3.
- 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, SUFFIX "P" WILL BE ADDED TO THE END OF
THE PART NUMBER. EXAMPLE: XXXXX-XXXP OR XXXXX-XXXPLF
- PRODUCT SPECIFICATION: GS-12-180
APPLICATION SPECIFICATION: BUS-20-073
- AFTER INSERTION INTO BOARD WITH QUALIFIED TOOLING.
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-12-008.
- ALL THE PRODUCTS EXCEPT THOSE WITH PART NUMBERS
CONTAINING 88921-NI---OR 88921-N5---WILL WITHSTAND
EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A
CONVECTION, INFRA-RED OR VAPOR PHASE
REFLOW OVEN. PART NUMBERS 88921-NI---AND 88921-N5---
WILL NOT WITHSTAND REFLOW AND THE Au CONTACT SURFACE OF
THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140 DEGREES
C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER
APPLICATION.

mat'l code		SEE NOTES		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, 4 ROW PRESS-FIT		
AH					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°						
				dr	T.BRUNGARD	11/19/99	MM		product family	METRAL	code
				engr	x. xxxxxx	mm/dd/yy	← MM →		size	dwg no	213
				chr	M.STRAWSER	11/19/99	scale		A	88921	sheet
				appd	M.STRAWSER	02/29/00	1:1				3
sheet index		revision sheet									

cage code 22526

Pro/E

PDM: Rev:AH

STATUS:Released

Printed: Dec 29, 2007



METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X01 AND 88921-X01LF	D	-	2	-	2	-	2	
	C	-	2	-	2	-	2	
	B	-	2	-	2	-	2	
	A	-	2	-	2	-	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X06 AND 88921-X06LF	D	14	6	6	6	6	6	6
	C	14	6	6	6	6	6	6
	B	14	6	6	6	6	6	6
	A	14	6	6	6	6	6	6

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X11 AND 88921-X11LF	D	13	16	16	16	16	13	
	C	13	16	16	16	16	13	
	B	13	16	16	16	16	13	
	A	13	16	16	16	16	13	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X16 AND 88921-X16LF	D	13	13	13	13	-	13	
	C	13	13	13	13	-	13	
	B	13	13	13	13	13	-	
	A	13	13	13	13	13	-	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X21 AND 88921-X21LF	D	4	4	4	19	19	19	
	C	4	4	4	19	19	19	
	B	4	4	4	19	19	19	
	A	4	4	4	19	19	19	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X02 AND 88921-X02LF	D	-	6	-	6	-	6	
	C	-	6	-	6	-	6	
	B	-	6	-	6	-	6	
	A	-	6	-	6	-	6	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X07 AND 88921-X07LF	D	15	10	10	10	10	10	
	C	15	10	10	10	10	10	
	B	15	10	10	10	10	10	
	A	15	10	10	10	10	10	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X12 AND 88921-X12LF	D	14	17	17	17	17	14	
	C	14	17	17	17	17	14	
	B	14	17	17	17	17	14	
	A	14	17	17	17	17	14	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X17 AND 88921-X17LF	D	25	25	25	25	25	25	
	C	25	25	25	25	25	25	
	B	25	25	25	25	25	25	
	A	25	25	25	25	25	25	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X22 AND 88921-X22LF	D	8	8	8	20	20	20	
	C	8	8	8	20	20	20	
	B	8	8	8	20	20	20	
	A	8	8	8	20	20	20	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X03 AND 88921-X03LF	D	3	3	3	3	3	3	
	C	4	4	4	4	4	4	
	B	4	4	4	4	4	4	
	A	4	4	4	4	4	4	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X08 AND 88921-X08LF	D	16	2	2	2	2	2	
	C	16	2	2	2	2	2	
	B	16	2	2	2	2	2	
	A	16	2	2	2	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X13 AND 88921-X13LF	D	15	18	18	18	18	15	
	C	15	18	18	18	18	15	
	B	15	18	18	18	18	15	
	A	15	18	18	18	18	15	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X18 AND 88921-X18LF	D	3	1	1	1	1	1	
	C	3	1	1	1	1	1	
	B	3	1	1	1	1	1	
	A	3	1	1	1	1	1	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X04 AND 88921-X04LF	D	7	7	7	7	7	7	
	C	8	8	8	8	8	8	
	B	8	8	8	8	8	8	
	A	8	8	8	8	8	8	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X09 AND 88921-X09LF	D	17	6	6	6	6	6	
	C	17	6	6	6	6	6	
	B	17	6	6	6	6	6	
	A	17	6	6	6	6	6	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X14 AND 88921-X14LF	D	2	2	2	3	2	2	
	C	2	2	2	3	2	2	
	B	2	1	2	3	2	2	
	A	2	2	2	3	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X19 AND 88921-X19LF	D	2	2	2	2	2	2	
	C	4	2	4	2	4	2	
	B	2	4	2	4	2	4	
	A	2	2	2	2	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X24 AND 88921-X24LF	D	22	22	22	22	22	22	
	C	44	44	44	44	44	44	
	B	44	44	44	44	44	44	
	A	45	45	45	45	45	45	

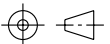
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			I	2	3	4	5	6
88921-X05 AND 88921-X05LF	D	13	2	2	2	2	2	
	C	13	2	2	2	2	2	
	B	13	2	2	2	2	2	
	A	13	2	2	2	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X10 AND 88921-X10LF	D	18	10	10	10	10	10	
	C	18	10	10	10	10	10	
	B	18	10	10	10	10	10	
	A	18	10	10	10	10	10	

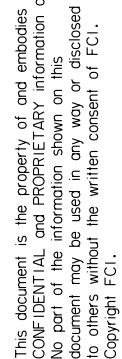
METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X15 AND 88921-X15LF	D	4	4	4	4	4	2	
	C	3	3	3	3	3	3	
	B	3	3	3	3	3	3	
	A	3	3	3	3	3	3	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X20 AND 88921-X20LF	D	19	3	3	3	3	19	
	C	19	3	3	3	3	19	
	B	19	3	3	3	3	19	
	A	19	3	3	3	3	19	

METRAL P/N		ROW	CONTACT CODE MOD. I					
			I	2	3	4	5	6
88921-X25 AND 88921-X25LF	D	3	3	3	3	3	-	
	C	3	3	3	3	3	-	
	B	3	3	3	3	3	-	
	A	-	-	3	3	3	-	

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 www.fcconnect.com		
Itr	ecn no.	dr	date	linear	0.X ±0.3		COPY			title		
AH					0.XX ±0.13		projection			METRAL SIGNAL HEADER		
					.XXX ±.051					I MOD, 4 ROW PRESS-FIT		
					0° ±2°							
				angles						product family		
				dr	T.BRUNGARD 11/19/99		METRAL			code		
				enrg	M.STRAWSER 11/19/99		size			213		
				chr	M.STRAWSER 11/19/99		dwg no			sheet		
				appd	M.STRAWSER 02/29/00		scale		A		88921	
sheet index		revision sheet										

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCi	
Itr	ecr no.	dr	date	linear	0.X ±0.3	COPY		www.fciconnect.com	
AH				linear	0.XX ±0.13	projection		title	
				angles	.XXX ±.051			METRAL SIGNAL HEADER	
				dr	0° ±2°			1 MOD, 4 ROW PRESS-FIT	
				enrg	T.BRUNGARD 11/19/99	MM		product family	
				chr	M.STRAWER 11/19/99	scale		METRAL	
				appd	M.STRAWER 11/19/99	1:1		code	
					M.STRAWER 02/29/00			213	
sheet	revision							sheet	
index	sheet							4	



METRAL P/N	ROW	CONTACT CODE MOD. I					
		I	2	3	4	5	6
88921-X30 AND 88921-X30LF	D	3	3	3	1	9	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X35 AND 88921-X35LF	D	-	3	-	3	-	3
	C	3	-	3	-	3	-
	B	-	3	-	3	-	3
	A	3	-	3	-	3	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		I	2	3	4	5	6
88921-X40 AND 88921-X40LF	D	-	61	-	61	-	61
	C	61	-	61	-	61	-
	B	-	61	-	61	-	61
	A	61	-	61	-	61	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X45 AND 88921-X45LF	D	-	7	-	7	-	7
	C	7	-	7	-	7	-
	B	-	7	-	7	-	7
	A	7	-	7	-	7	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X50 AND 88921-X50LF	D	-	41	-	41	-	41
	C	41	-	41	-	41	-
	B	-	41	-	41	-	41
	A	41	-	41	-	41	-

[illegible]



METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X51 AND 88921-X51LF	D	-	42	-	42	-
	C	42	-	42	-	42
	B	-	42	-	42	-
	A	42	-	42	-	42

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X56 AND 88921-X56LF	D	-	12	-	12	-
	C	12	-	12	-	12
	B	-	12	-	12	-
	A	12	-	12	-	12

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X61 AND 88921-X61LF	D	7	6	6	5	6
	C	7	6	5	5	7
	B	7	6	6	6	6
	A	7	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X52 AND 88921-X52LF	D	-	43	-	43	-
	C	43	-	43	-	43
	B	-	43	-	43	-
	A	43	-	43	-	43

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X57 AND 88921-X57LF	D	-	21	-	21	-
	C	21	-	21	-	21
	B	-	21	-	21	-
	A	21	-	21	-	21

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X62 AND 88921-X62LF	D	19	-	4	-	3
	C	19	-	4	-	19
	B	-	19	-	4	-
	A	-	19	-	4	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X53 AND 88921-X53LF	D	-	9	-	9	-
	C	9	-	9	-	9
	B	-	9	-	9	-
	A	9	-	9	-	9

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X58 AND 88921-X58LF	D	20	6	7	7	7
	C	20	7	7	7	7
	B	20	7	7	7	7
	A	20	7	5	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X54 AND 88921-X54LF	D	-	10	-	10	-
	C	10	-	10	-	10
	B	-	10	-	10	-
	A	10	-	10	-	10

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X59 AND 88921-X59LF	D	1	1	2	1	1
	C	1	1	2	1	1
	B	1	1	2	1	1
	A	1	1	2	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X55 AND 88921-X55LF	D	-	11	-	11	-
	C	11	-	11	-	11
	B	-	11	-	11	-
	A	11	-	11	-	11

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X60 AND 88921-X60LF	D	2	2	2	3	2
	C	2	2	2	3	2
	B	2	2	2	3	2
	A	2	2	2	3	2

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		title	
AH					0.XX ±0.13	projection		METRAL SIGNAL HEADER	
				angles	.XXX ±.051			1 MOD, 4 ROW PRESS-FIT	
					0° ±2°			product family	
				dr	T.BRUNGARD 11/19/99	scale		METRAL	
				engr	M.STRAWSE 11/19/99	A		code	
				chr	M.STRAWSE 11/19/99	1:1		213	
				appd	M.STRAWSE 02/29/00			sheet	
sheet index		revision sheet						6	