

PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-Ayy	TELCORDIA CO	SEE NOTE 9
-NIyy	TELCORDIA CO (NXT)	-
-N5yy	TELCORDIA UE (NXT)	-
-Iyy	TELCORDIA CO	-
-2yy	TELECOM CLASS	-
-3yy	IEC CLASS I	-
-5yy	TELCORDIA UE	-
-9yy	TELCORDIA CO	-
-AyyLF	TELCORDIA CO	SEE NOTE 10
-NIyyLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 10
-N5yyLF	TELCORDIA UE (NXT)	SEE NOTE 10
-IyyLF	TELCORDIA CO IEC CLASS I	SEE NOTE 10
-2yyLF	TELECOM CLASS	SEE NOTE 10
-5yyLF	TELCORDIA UE	SEE NOTE 10

mat'l code				SEE NOTES				tolerances unless otherwise specified				CUSTOMER			
ltr	ecn no.	dr	date												
BB	V06-0569	DCH	2006-06-13	linear				0.X ±0.3				COPY			
BC	V07-0240	HTB	2007-03-20					0.XX ±0.13				projection			
-	-	-	-	angles				.XXX ±.051							
								0° ±2°							
AW	V05-0617	DAI	06/29/05	dr	T.BRUNGARD	11/19/99									
AX	V05-0662	DAI	07/14/05	enrg	M.STRAWSE	11/19/99									
AY	V05-0858	DAI	09/08/05	chr	M.STRAWSE	11/19/99									
BA	V05-1030	LP	11/21/05	appd	M.STRAWSE	02/29/00									
sheet	revision	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC
index	sheet	1	2	3	4	5	6	7	8	9					



www.fciconnect.com

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

product family METRAL code
size dwg no 213
A 88923 sheet
1 of 9

cage code 22526

Pro/E

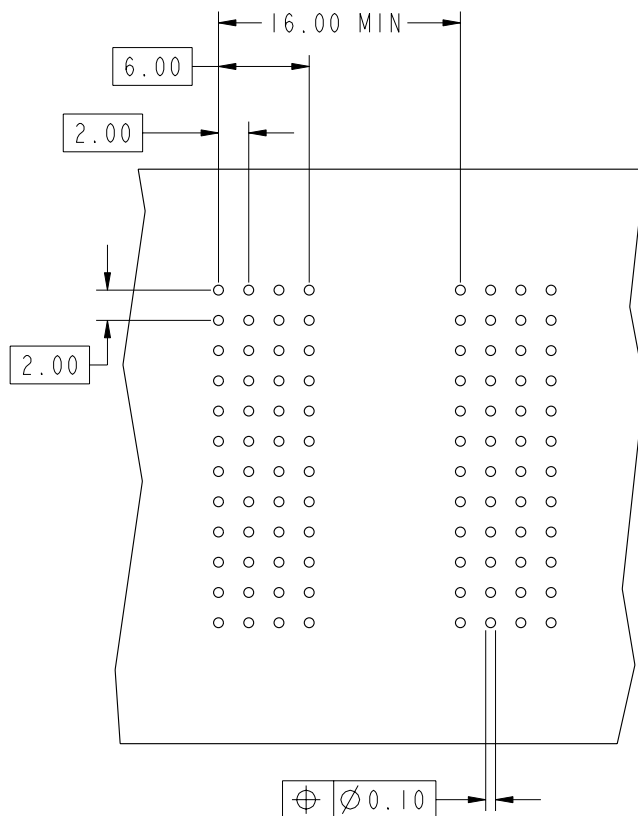
3

4

PDM: Rev:BC


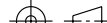
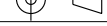
STATUS:Released

Printed: Dec 29, 2007



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
13	8.25	4.30
14	8.25	13.60
19	8.00	4.30
20	8.00	13.60
25	5.75	15.60
59	5.00	11.80
60	5.75	11.80
61	6.50	11.80

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 4 MOD, 4 ROW PRESS-FIT				
BC					0. XX ±0.13		projection							
					.XXX ±.051									
				angles	0° ±2°				 MM scale 1:1					
				dr	T.BRUNGARD	11/19/99	product family					METRAL		code
				enrg	M.STRAWSE	11/19/99	size					dwg no		213
				chr	M.STRAWSE	11/19/99	A					88923		sheet
				appd	M.STRAWSE	02/29/00								2
sheet index		revision sheet												

cage code 22526

Pro/E

PDM: Rev:BC

STATUS: Released Printed: Dec 29, 2007



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
88923-X01 SEE NOTE 11 LEAD FREE OPTION	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
88923-X02 SEE NOTE 11 LEAD FREE OPTION	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
88923-X03 SEE NOTE 11 LEAD FREE OPTION	D	I	I	I	I	I	I	-	-	-	-	-	-	-	-	-	-	-	I	I	I	I	I	I	I
	C	I	I	I	I	I	I	-	-	-	-	-	-	-	-	-	-	I	I	I	I	I	I	I	I
	B	I	I	I	I	I	I	-	-	-	-	-	I	-	-	-	-	I	I	I	I	I	I	I	I
	A	I	I	I	I	I	I	-	-	-	-	-	I	-	-	-	-	I	I	I	I	I	I	I	I

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
88923-X04 SEE NOTE 11 LEAD FREE OPTION	D	3	I	I	3	3	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	3
	C	3	I	I	3	3	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	3
	B	3	I	I	3	3	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	3
	A	3	I	I	3	3	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	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
88923-X05 SEE NOTE 11 LEAD FREE OPTION	D	20	20	20	20	20	20	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	C	20	20	20	20	20	20	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	B	20	20	20	20	20	20	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	A	20	20	20	20	20	20	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5


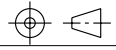

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
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88923-X06 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	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
88923-X07 SEE NOTE 11 LEAD FREE OPTION	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	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25

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
88923-X08 SEE NOTE 11 LEAD FREE OPTION	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	1	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
88923-X09 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	C	6	6	6	6	6	6	6	6	6	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	B	6	6	6	6	6	6	6	6	6	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	A	6	6	6	6	6	6	6	6	6	20	20	20	20	20	20	20	20	20	20	20	20	20	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
88923-X10 SEE NOTE 11 LEAD FREE OPTION	D	I	I	I	-	-	-	I	I	I	I	-	-	I	I	I	I	I	-	-	-	I	I	I	I
	C	I	I	I	-	-	-	I	I	I	I	I	-	-	I	I	I	I	I	-	-	-	I	I	I
	B	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
	A	I	I	I	-	-	-	I	I	I	I	I	-	-	I	I	I	I	I	-	-	-	I	I	I

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




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
88923-X11 SEE NOTE 11 LEAD FREE OPTION	D	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	3	I	I	I
	C	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	3	I	I	I
	B	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	3	I	I	I
	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	3	I	I	I

[illegible][illegible][illegible][illegible][illegible][illegible]

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
88923-X18	D	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SEE NOTE 11 LEAD FREE OPTION	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	B	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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
88923-X19 SEE NOTE 11 LEAD FREE OPTION	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	4	2	4	2	2	4	2	2	4	2	2	4	2	2	4
	A	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19

[illegible]

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0. X \pm 0.3	COPY			
BC					0. XX \pm 0.13	projection			
					.XXX \pm .051	title			
				angles	0° \pm 2°			METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT	
		dr	T.BRUNGARD	11/19/99		product family		METRAL	code
		enrg	M. STRAWSER	11/19/99		size		dwg no	213
		chr	M. STRAWSER	11/19/99		scale		88923	sheet
		appd	M. STRAWSER	02/29/00	1:1	A		4	
sheet index	revision sheet								



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
88923-X21 SEE NOTE 11 LEAD FREE OPTION	D	1	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19
	C	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3
	B	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	3	3	3	3	3
	A	1	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	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
88923-X22 SEE NOTE 11 LEAD FREE OPTION	D	13	13	13	13	13	13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	19	19	19	19	19	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	19	19	19	19	19	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	13	13	13	13	13	13	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
88923-X23 SEE NOTE 11 LEAD FREE OPTION	D	14	14	14	14	14	14	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	20	20	20	20	20	20	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	20	20	20	20	20	20	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	14	14	14	14	14	14	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
88923-X24 SEE NOTE 11 LEAD FREE OPTION	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	8	8	6	8	8	6	8	6	8	8	6	6	8	8	8
	A	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	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
88923-X25 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2


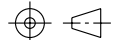

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
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88923-X26 SEE NOTE 11 LEAD FREE OPTION	D	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3
	C	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3
	B	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	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
88923-X27 SEE NOTE 11 LEAD FREE OPTION	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	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
	B	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
	A	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61

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
88923-X28 SEE NOTE 11 LEAD FREE OPTION	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	4	4	4	4	4	4	2	2	2	2	2	2	1	1	1	1	1	1	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
88923-X29 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	3	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	3	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	3	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
88923-X30 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	3	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	3	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	3	1	1	1	1	1	1

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com				
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY		title			
BC					0.XX ±0.13					METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT		
					.XXX ±.051							
				angles	0° ±2°		product family	METRAL	code			
				dr	T.BRUNGARD 11/19/99					size	dwg no	213
				engr	M.STRAWSE 11/19/99							
				chr	M.STRAWSE 11/19/99	scale	1:1	5				
				appd	M.STRAWSE 02/29/00				cage code	22526	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
88923-X31 SEE NOTE 11 LEAD FREE OPTION	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
88923-X32 SEE NOTE 11 LEAD FREE OPTION	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	4	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
88923-X33 SEE NOTE 11 LEAD FREE OPTION	D	6	6	-	-	6	6	-	-	3	-	3	-	2	2	2	2	2	2	6	6	6	6	8	8
	C	-	-	-	-	6	6	-	-	3	-	3	-	2	2	2	2	2	2	6	6	6	6	8	8
	B	6	-	-	-	6	6	6	-	-	3	-	3	-	2	2	2	2	2	6	6	6	6	6	6
	A	6	-	-	-	6	6	6	-	-	3	-	3	-	2	2	2	2	2	6	6	6	6	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
88923-X34 SEE NOTE 11 LEAD FREE OPTION	D	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3
	C	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19	3	19
	B	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3
	A	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	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
88923-X35 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1


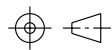

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
88923-X36 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	4	4	4	4
	C	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	B	4	4	4	4	4	4	4	4	4	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	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
88923-X37 SEE NOTE 11 LEAD FREE OPTION	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	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
88923-X38 SEE NOTE 11 LEAD FREE OPTION	D	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2
	C	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2
	B	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2
	A	4	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	4	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
88923-X39 SEE NOTE 11 LEAD FREE OPTION	D	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2
	C	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2
	B	4	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	4	2	2	2	2	2
	A	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	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
88923-X40 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	20	20	8	8	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	20	8	8	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	20	8	8	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	7	20	20	8	8	7	7

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



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
88923-X41 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	20	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	20	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	20	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	20	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
88923-X42 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	6	7	7	7	7	20	20	8	8	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	20	8	8	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	20	8	8	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	20	8	8	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
88923-X43 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	6	7	7	7	7	7	7	7	6	7	7	7	7	20	8	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	8	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	8	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	8	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
88923-X44 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	7	7	7	20	8	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	8	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	8	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	8	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
88923-X45 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	8	8	8	6	7	7	7	7	7	7	7	7	7	7	20	20	8	8	7	7
	C	7	7	7	6	6	6	7	7	7	7	7	7	7	7	7	7	7	20	20	8	8	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	20	8	8	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	20	8	8	7	7


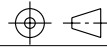

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
88923-X46 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	3	3	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	3	3	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
88923-X47 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	3	3	1	3	3	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	3	3	1	1	1
	A	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	3	3	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
88923-X48 SEE NOTE 11 LEAD FREE OPTION	D	1	1	3	1	1	1	1	1	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1
	C	1	1	3	1	1	1	1	1	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1
	A	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	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
88923-X49 AND 88923-X49LF SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	6	7	7	7	7	7	7	7	6	7	7	7	7	8	8	7	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	7	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	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
88923-X50 AND 88923-X50LF SEE NOTE 11 LEAD FREE OPTION	D	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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


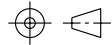


METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
88923-X51 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	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
88923-X52 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	8	8	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	7	7	
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	7	7	
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	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
88923-X53 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	8	8	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	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
88923-X54 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	3	3	3	3	3	3	1	1	1	1	1	1	3	3	3	3	3	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
	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

mat'l code				SEE NOTES				tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com					
ltr		ecn no.		dr		date		linear		0.X ±0.3		projection				product family		METRAL		code	
BC										0.XX ±0.13											
										.XXX ±.051											
								angles		0° ±2°											
								dr		T.BRUNGARD		11/19/99		MM ←→		scale		A		size	
								enrg		M.STRAWSE		11/19/99									
								chr		M.STRAWSE		11/19/99									
								appd		M.STRAWSE		02/29/00									
sheet		revision																			
index		sheet																			



PRODUCT NUMBER
88923-XXX
88923-XXYLF




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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:
88923 -XXX IS SnPb
88923-XXYLF IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
- 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-XXXP OR XXXXX-XXXPLF
- PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
- A PLATING HAS Au FLASH IN PRESS FIT
AREA (LEAD FREE).
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-22-008.
- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 88923-X01LF
- 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 MAXIMUM 140°C FOR
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0. X ± 0.3	COPY		titleMETRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT		
BC					0. XX ± 0.13	projection 				
					. XXX ± .051					
				angles	0° ± 2°	 MM scale 11:1		product familyMETRALcode213		
				dr	T. BRUNGARD11/19/99			size	dwg no88923	sheet9
				engr	M. STRAWSER11/19/99					
				chr	M. STRAWSER11/19/99					
				appd	M. STRAWSER02/29/00					
sheet index	revision sheet									

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Pro/E

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cage code 22526

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