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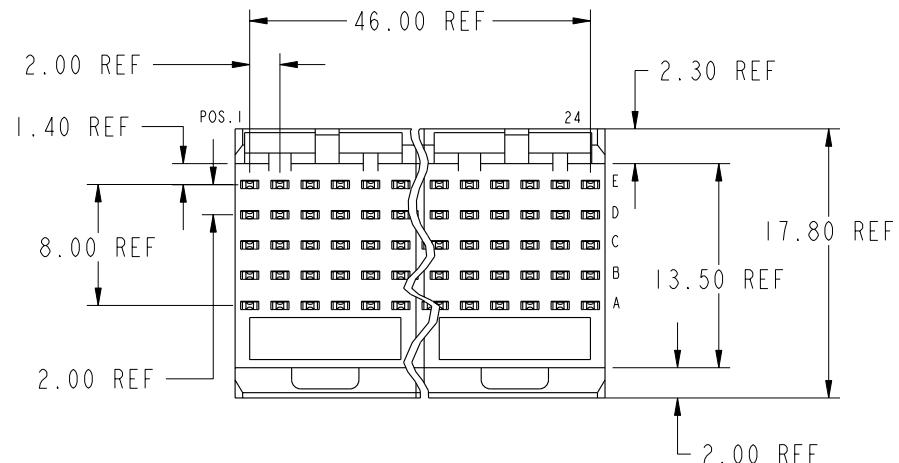


PRODUCT NUMBER
85833-XY
85833-XYLF

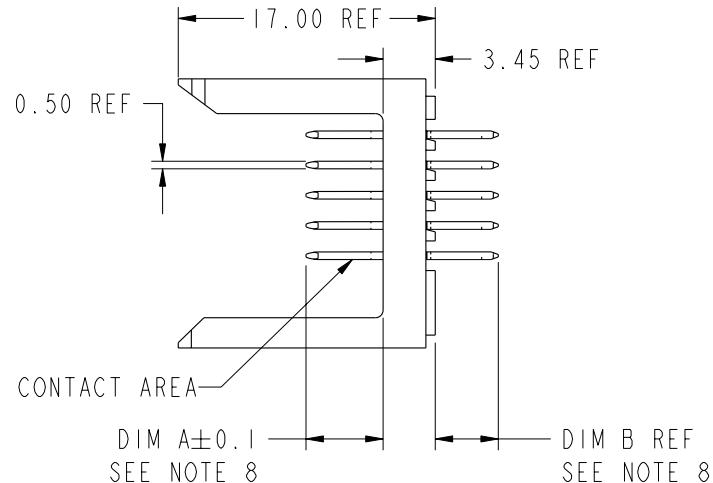
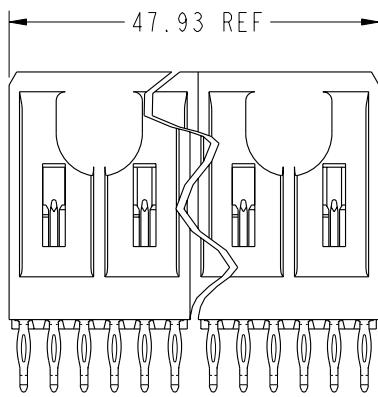
1 | 2

3 |

4



A



A

mat'l code				tolerances unless otherwise specified				CUSTOMER COPY	FCI	www.fciconnect.com
ltr	ecn no.	dr	date							
S	V06-0569	DCH	2006-06-12	linear	0. X ± 0.3			projection	MM	title METRAL SIGNAL 4 MOD, 5 ROW PRESS-FIT
-	-	-	-		0. XX ± 0.13					
L	V03-0607	HTB	05/28/03	angles	.XXX ± .051					
M	V03-1193	HTB	11/04/03	dr	0° ± 2°					
N	V03-1320	TAB	12/16/03	engr	T.BRUNAGRD	11/19/99		product family	METRAL	code 213
P	V04-0353	DAI	05/02/04	chr	M.STRAWSER	11/19/99		size	dwg no	sheet 1 of 11
R	V04-1100	DAI	01/20/05	appd	M.STRAWSER	02/29/00		scale	A	85833
								2:1		
sheet	revision	S	S	S	S	S	S			
index	sheet	1	2	3	4	5	6	7	8	
									9	
									10	
									11	

1 | 2

Pro/E

3 |

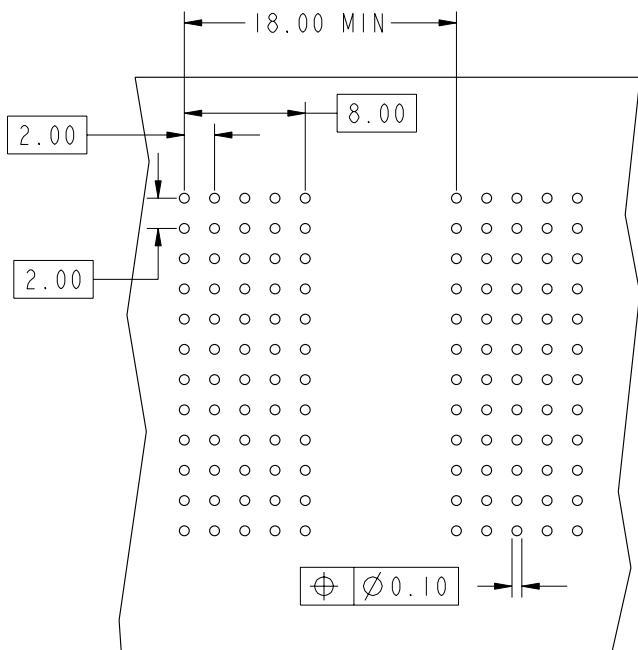
cage code
22526

4

PDM: Rev:S

STATUS: Released

Printed: Nov 13, 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
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
48	5.00	15.10
54	5.00	11.50
55	5.75	11.50
56	6.50	11.50
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
64	5.75	14.90

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mat'l code				tolerances unless otherwise specified		CUSTOMER COPY	title	product family	code
ltr	ecn no.	dr	date	linear	angles				
S				0. X \pm 0.3		projection	METRAL SIGNAL 4 MOD, 5 ROW PRESS-FIT	METRAL	213
				0. XX \pm 0.13					
				.XXX \pm .051					
				0° \pm 2°		MM			
		dr	T.BRUNAGRD	11/19/99			scale	dwg no	sheet
		engr	M.STRAWSER	11/19/99					
		chr	M.STRAWSER	11/19/99					
		appd	M.STRAWSER	02/29/00		2 : 1	A	85833	2
	sheet	revision							
	index	sheet							

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REV F - 2006-04-18

METRAL P/N	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
85833-X09	E	N/A												6	6	6	6	6	6	6	6	6	6	6	6
85833-X09LF	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	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	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
85833-X10	E	N/A												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
	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	2

METRAL P/N	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
85833-XII	E	N/A												4	4	4	4	4	4	4	4	4	4	4	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	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	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

METRAL P/N	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
85833-X12	E	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	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
85833-X13	E	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	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	2

METRAL P/N	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
85833-X14	E	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	D	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	C	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	B	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	A	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16

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

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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			
S				angles	0° ± 2°	projection	title METRAL SIGNAL 4 MOD, 5 ROW PRESS-FIT					
				dr	T. BRUNAGR'D 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							
				oppd	M. STRAWSER 02/29/00							
sheet	revision					A	85833		sheet			
index	sheet								5			

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1

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI			
ltr	ecn no.	dr	date	0. X \pm 0.3		COPY		www.fciconnect.com			
S	linear			0. XX \pm 0.13		projection		title			
				. XXX \pm .051							
				angles 0° \pm 2°		MM		product family			
				dr	T.BRUNAGR					11/19/99	
				engr	M.STRAWER	11/19/99	scale		METRAL		code
				chr	M.STRAWER	11/19/99					:
				appd	M.STRAWER	02/29/00					sheet
sheet	revision									6	
index	sheet										

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mat'l code				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com		
ltr	ecn no.	dr	date	0. X ± 0.3	COPY					
S				0. XX ± 0.13	projection	title METRAL SIGNAL 4 MOD, 5 ROW PRESS-FIT				
				.XXX ± .051	angle					
				0° ± 2°	dr	T.BRUNAGRD	11/19/99	product family METRAL	code	
					engr	M. STRAWSER	11/19/99		213	
					chr	M. STRAWSER	11/19/99		size	dwg no
					oppd	M. STRAWSER	02/29/00			
					MM			A	85833	sheet
sheet		revision								
index		sheet								

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Copyright
to other

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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		projection	title					
S					0. XX ± 0.13									
					.XXX ± .051									
				0° ± 0°										
				dr T.BRUNAGR 11/19/99			MM	scale	product family		METRAL	code		
				engr M. STRAWSER 11/19/99							size		dwg no	213
				chr M. STRAWSER 11/19/99							A		85833	sheet
				oppd M. STRAWSER 02/29/00							:			8
sheet index	revision sheet													
				Pro/E		3			cage code		22526	4		



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B

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mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
Itr	ecn no.	dr	date	0. X ± 0.3		COPY		www.fciconnect.com	
S				linear 0. XX ± 0.13		projection		title METRAL SIGNAL	
				. XXX ± .051				4 MOD, 5 ROW PRESS-FIT	
				angles 0° ± 2°				product family METRAL	
				dr T.BRUNAGR	11/19/99	scale		code 213	
				engr M.STRAWER	11/19/99			sheet 10	
				chr M.STRAWER	11/19/99				
				oppd M.STRAWER	02/29/00				
sheet	revision								
index	sheet								

PRODUCT NUMBER
85833-XYZ
85833-XYZLF

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.
3. PIN MATERIAL:
PHOSPHOR BRONZE.
4. PLATING ON PRESS-FIT TAIL:
85833-XYY IS SnPb
85833-XYYLF IS Sn (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE BELOW.

5. PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
6. 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

7. 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	-
-NIYY	TELCORDIA CO (NXT)	-
-N5YY	TELCORDIA UE (NXT)	-
-IYY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-9YY	TELCORDIA CO	-
-NIYYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-N5YYLF	TELCORDIA UE (NXT)	SEE NOTE 9
-IYYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF	TELCORDIA UE	SEE NOTE 9

mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI	www.fciconnect.com		
Itr	ecn no.	dr	date	linear	0. X ± 0.3			COPY		
S					0. XX ± 0.13	projection	title METRAL SIGNAL			
					.XXX ± .051		4 MOD, 5 ROW PRESS-FIT			
				angles	0° ± 2°					
		dr	T.BRUNAGRD		11/19/99	MM	product family		METRAL	code
		engr	M. STRAWSER		11/19/99		size	dwg no		213
		chr	M. STRAWSER		11/19/99		A	85833		sheet
		appd	M. STRAWSER		02/29/00					11
sheet		revision								
index		sheet								