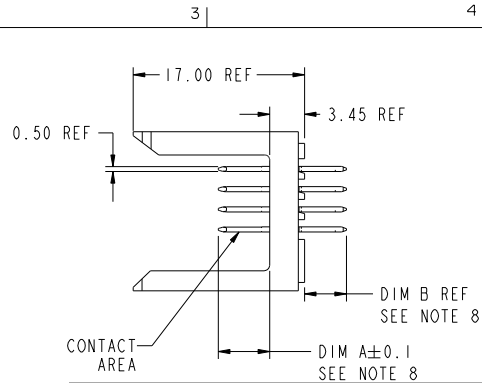
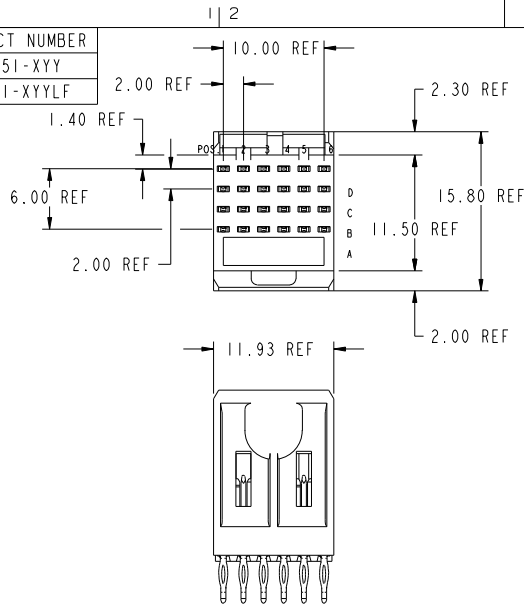


PRODUCT NUMBER
85851-XY
85851-XYLF



PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-Ayy	TELCORDIA CO	SEE NOTE 9
-N1yy	TELCORDIA CO (NXT)	-
-NSyy	TELCORDIA UE (NXT)	-
-1yy	TELCORDIA CO	-
-2yy	TELECOM CLASS	-
-3yy	IEC CLASS I	-
-5yy	TELCORDIA UE	-
-9yy	TELCORDIA CO	-
-N1yylf	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 10
-NSyylf	TELCORDIA UE (NXT)	SEE NOTE 10
-1yylf	TELCORDIA CO IEC CLASS I	SEE NOTE 10
-2yylf	TELECOM CLASS	SEE NOTE 10
-5yylf	TELCORDIA UE	SEE NOTE 10



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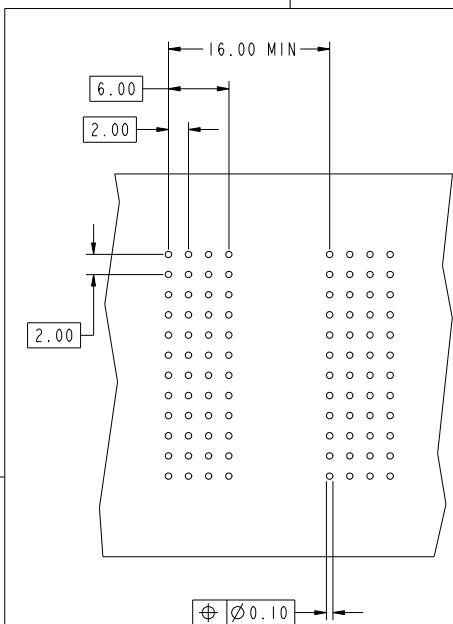
mat'l code		SEE NOTES		tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL
AA	V06-0569	DCH	2006-06-13		0.XX ±0.13			METRAL SIGNAL HEADER	
AB	V07-0206	DCH	2007-03-06		.XXX ±.051			I MOD, 4 ROW PRESS-FIT	
AC	D610-0165	TER	2010-05-05	angles	0° ±2°				
W	V04-1216	HTB	12/23/04	eng	I.BRINGARD 11/19/99	MM		product family	METRAL
X	V05-0099	HTB	01/27/05	chr	M.STRAMSER 11/19/99	scale		size	code
Y	V05-0367	DAI	05/25/05	opd	M.STRAMSER 02/29/00	2:1	A	85851	213
sheet index	revision sheet	AC	AC	AC	AC				sheet 1 of 4

cage code 22526



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REV C - 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
12	7.25	17.00
13	8.25	4.30
19	8.00	4.30
20	8.00	13.60
23	8.00	17.70
24	6.50	16.30
25	5.75	15.60
26	5.00	14.90
40	5.00	15.60
41	6.50	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		FCJ		www.fcjconnect.com	
litr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER		
AC					0.XX ±0.13			I MOD, 4 ROW PRESS-FIT			
				angles	.XXX ±.051			product family	METRAL		
				dr	0° ±2°			size	213		
				eng	I.BRINGARD 11/19/99			dwg no	85851		
				chr	M.STRAMSER 11/19/99			code	2		
				appd	M.STRAMSER 02/29/00			sheet			
sheet index	revision sheet										

Pro/E

code code 22526

PDM: Rev:AC

STATUS:Released

Printed: May 11, 2010



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METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X01 SEE NOTE 11 LEAD FREE OPTION	D	12	25	23	23	23	25		
	C	12	25	23	23	23	25		
	B	12	25	23	23	23	25		
	A	12	25	23	23	23	25		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X07 SEE NOTE 11 LEAD FREE OPTION	D	59	59	59	59	59	59		
	C	60	60	60	60	60	60		
	B	60	60	60	60	60	60		
	A	61	61	61	61	61	61		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X13 SEE NOTE 11 LEAD FREE OPTION	D	26	23	25	23	12	12		
	C	23	23	25	23	12	12		
	B	24	23	25	23	12	12		
	A	23	23	25	23	12	12		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X18 SEE NOTE 11 LEAD FREE OPTION	D	19	2	2	2	2	2		
	C	19	2	2	2	2	2		
	B	19	2	2	2	2	2		
	A	19	2	2	2	2	2		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X23 SEE NOTE 11 LEAD FREE OPTION	D	8	8	6	7	7	6		
	C	8	8	6	7	7	6		
	B	8	8	6	7	7	6		
	A	8	8	6	7	7	6		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X02 SEE NOTE 11 LEAD FREE OPTION	D	26	12	12	12	12	23		
	C	23	12	12	12	12	23		
	B	24	12	12	12	12	23		
	A	24	12	12	12	12	23		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X08 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	4	4	4		
	C	2	2	2	2	2	2		
	B	2	2	2	2	2	2		
	A	2	2	2	2	2	2		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X14 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	3	4	3		
	C	2	2	2	3	4	3		
	B	2	2	2	3	4	3		
	A	2	2	2	3	4	3		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X19 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1		
	C	1	1	1	1	1	1		
	B	3	1	1	1	3	1		
	A	1	1	1	1	1	1		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X24 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	2	2	2		
	C	2	2	2	2	2	2		
	B	2	2	2	2	2	2		
	A	4	4	4	2	2	2		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X03 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1		
	C	2	2	2	2	2	2		
	B	2	2	2	2	2	2		
	A	2	2	2	2	2	2		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X09 SEE NOTE 11 LEAD FREE OPTION	D	40	40	40	40	41	41		
	C	40	40	40	40	40	40		
	B	40	40	40	40	40	40		
	A	40	40	40	40	40	40		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X15 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1		
	C	1	1	1	1	1	1		
	B	1	1	1	1	3	3		
	A	1	1	1	1	1	1		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X20 SEE NOTE 11 LEAD FREE OPTION	D	4	3	4	2	2	2		
	C	4	3	4	2	2	2		
	B	4	3	4	2	2	2		
	A	4	3	4	2	2	2		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X25 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2		
	C	2	2	2	2	2	2		
	B	2	2	2	2	2	2		
	A	2	2	2	2	2	2		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X04 SEE NOTE 11 LEAD FREE OPTION	D	19	19	19	-	-	-		
	C	19	19	19	-	-	-		
	B	19	19	19	-	-	19		
	A	19	19	19	-	-	19		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X10 SEE NOTE 11 LEAD FREE OPTION	D	61	61	61	61	61	61		
	C	20	20	61	61	61	61		
	B	61	61	61	61	61	61		
	A	61	61	61	61	61	61		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X16 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6		
	C	6	6	6	6	6	6		
	B	6	6	6	6	6	6		
	A	6	6	6	6	6	6		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X21 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	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.	1	2	3	4	5	6
85851-X26 SEE NOTE 11 LEAD FREE OPTION	D	3	3	4	4	2	19		
	C	3	3	4	4	2	19		
	B	3	3	4	4	2	19		
	A	3	3	4	4	2	19		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X05 SEE NOTE 11 LEAD FREE OPTION	D	4	1	4	1	1	1		
	C	4	1	1	1	1	1		
	B	4	1	1	1	1	1		
	A	4	1	4	1	1	1		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X11 SEE NOTE 11 LEAD FREE OPTION	D	61	61	61	61	61	61		
	C	61	61	61	61	61	61		
	B	61	61	61	61	61	61		
	A	61	61	61	61	61	20		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X17 SEE NOTE 11 LEAD FREE OPTION	D	20	6	6	6	6	6		
	C	20	6	6	6	6	6		
	B	20	6	6	6	6	6		
	A	20	6	6	6	6	6		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X22 SEE NOTE 11 LEAD FREE OPTION	D	4	4	2	3	3	2		
	C	4	4	2	3	3	2		
	B	4	4	2	3	3	2		
	A	4	4	2	3	3	2		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X27 SEE NOTE 11 LEAD FREE OPTION	D	7	7	6	8	8	20		
	C	7	7	6	8	8	20		
	B	7	7	6	8	8	20		
	A	7	7	6	8	8	20		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X06 SEE NOTE 11 LEAD FREE OPTION	D	59	59	59	59	59	59		
	C	60	60	60	60	60	60		
	B	60	60	60	60	60	60		
	A	60	60	60	60	60	60		

METRAL P/N	ROW	CONTACT CODE	MOD.	1	2	3	4	5	6
85851-X12 SEE NOTE 11 LEAD FREE OPTION	D	61	61	61	61	61	20		
	C	61	61	61	61	61	61		
	B	61	61	61	61	61	61		
	A	61	61	61	61	61	61		

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	projection	COPY	title	METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT			
				angles	0° ±2°			product family	METRAL			
				dr	I.BRINGARD 11/19/99	scale	1:1	size	dwg no	85851	code	213
				eng								



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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85851-X28 SEE NOTE 11 LEAD FREE OPTION	D	1	1	20	5	5	5
	C	1	1	20	5	5	5
	B	1	1	20	5	5	5
	A	1	1	20	5	5	5
85851-X29 SEE NOTE 11 LEAD FREE OPTION	D	3	3	4	4	3	3
	C	3	3	3	3	1	3
	B	3	3	3	3	3	3
	A	13	13	13	13	13	13
85851-X30 SEE NOTE 11 LEAD FREE OPTION	D	1	1	3	1	1	1
	C	1	1	3	1	1	1
	B	1	1	1	1	1	3
	A	1	1	1	1	1	3
85851-X31 SEE NOTE 11 LEAD FREE OPTION	D	2	2	19	2	19	2
	C	2	2	19	2	19	2
	B	2	1	19	2	19	2
	A	2	2	19	2	19	2

1 | 2

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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:
85851 -XXX IS SnPb
85851 -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: XXXX-XXXP OR XXXX-XXXLP
- 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: 85851-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		
ltr	ecn no.	dr	date	linear	angles	projection	title	
AC				0.X ±0.3	0.XX ±0.13		METRAL SIGNAL HEADER I MOD, 4 ROW PRESS-FIT	
				XXX ±.051	±.2°			
				dr T.BRINGARD 11/19/99	eng M.STRAMSER 11/19/99		product family	
				chr M.STRAMSER 11/19/99	appd M.STRAMSER 02/29/00		size	METRAL
sheet index	revision sheet						scale	code
						1:1	213	
						A	sheet 4	
							85851	
							22526	

1 | 2

3 |

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Pro/E

cage code 22526