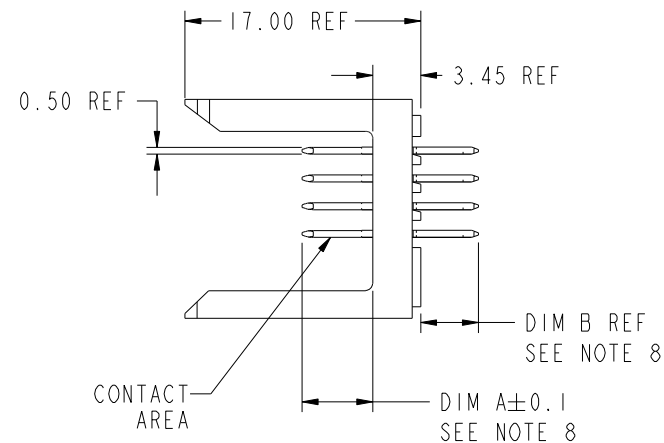
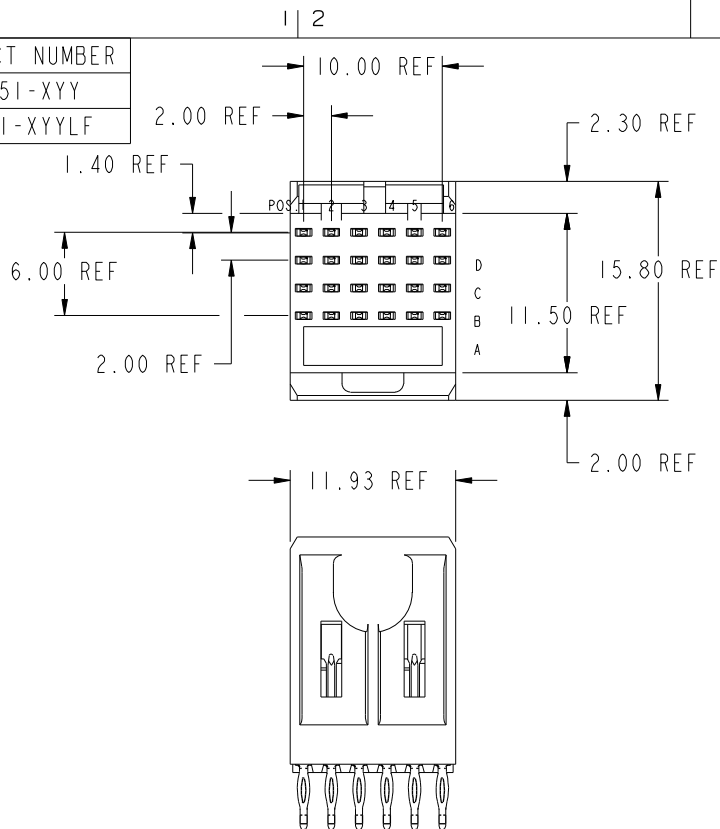




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PRODUCT NUMBER
85851-YYY
85851-YYLFF



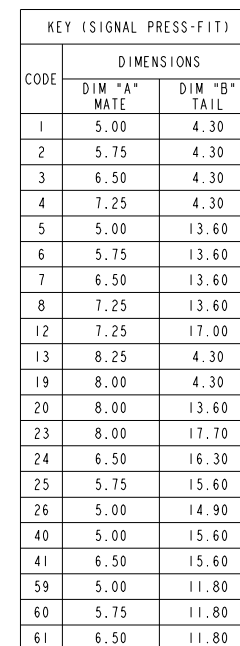
PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-YYY	TELCORDIA CO	SEE NOTE 9
-NIYY	TELCORDIA CO (NXT)	-
-N5YY	TELCORDIA UE (NXT)	-
-1YY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-9YY	TELCORDIA CO	-
-NIYYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 10
-N5YYLF	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

SEE NOTES				Tolerances unless otherwise specified		CUSTOMER		FCI	
litr	ecn no.	dr	date		0.X ±0.3	COPY		www.fciconnect.com	
AA	V06-0569	DCH	2006-06-13	linear	0.XX ±0.13	projection		title	METRAL SIGNAL HEADER
AB	V07-0206	DCH	2007-03-06		.XXX ±.051				1 MOD, 4 ROW PRESS-FIT
AC	DG10-0165	TER	2010-05-05	angles	0° ±2°			product family	METRAL
-	-	-	-	dr	T.BRUNGARD 11/19/99			size	code
W	V04-1216	HTB	12/23/04	enrg	M.STRAWER 11/19/99			dwg no	213
X	V05-0099	HTB	01/27/05	chr	M.STRAWER 11/19/99				sheet
Y	V05-0367	DAI	05/25/05	appd	M.STRAWER 02/29/00				1 of 4
sheet index	revision sheet	AC	AC	AC	AC				
		1	2	3	4				

Pro/E

cage code 22526

4



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION



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[illegible]

cage code	22526
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REV E - 2006-04-18

METRAL P/N		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		1	2	3	4	5	6
85851-X16 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	5	6	6
	C	6	6	6	8	6	6
	B	6	6	6	6	6	6
	A	6	6	6	6	6	6

METRAL P/N		CONTACT CODE MOD. I					
ROW		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	1	3	3	3	3	3

METRAL P/N		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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	20	20

METRAL P/N		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		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		CONTACT CODE MOD. I					
ROW		1	2	3	4	5	6
85851-X12 SEE NOTE 11 LEAD FREE OPTION	D	61	61	61	61	20	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		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	projection	title	product family	METRAL	code
AC					0.XX ±0.13			1 MOD, 4 ROW PRESS-FIT <td>size</td> <td>dwg no<td>213</td></td>	size	dwg no <td>213</td>	213
					.XXX ±.051						sheet
					0° ±2°						3
					dr	T.BRUNGARD	11/19/99				
					engr	M.STRAWSE	11/19/99				
					chr	M.STRAWSE	11/19/99				
					appd	M.STRAWSE	02/29/00				
sheet index	revision										

MM		MM		1:1		A		85851		213	
										sheet	
										3	



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

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: 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: 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		FCI			
---						COPY		www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection		title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT			
AC					0.XX ±0.13						
					.XXX ±.051						
				angles	0° ±2°	MIM		product family		METRAL	code
				dr	T.BRUNGARD 11/19/99			size	dwg no		213
				engr	M.STRAWSE 11/19/99			85851		sheet	
				chr	M.STRAWSE 11/19/99						
				appd	M.STRAWSE 02/29/00	scale	1:1	A		4	
sheet	revision										
index	sheet										

1 | 2

Pro/E

3 |

cage code 22526

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