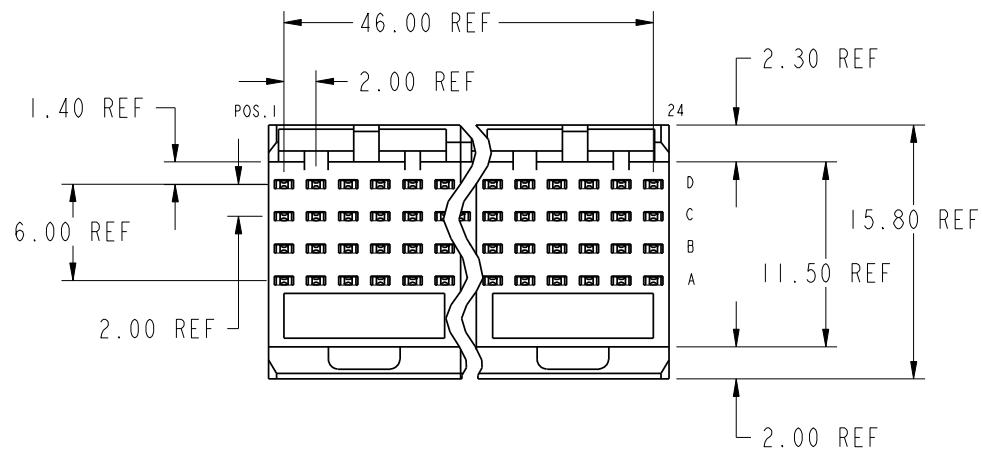
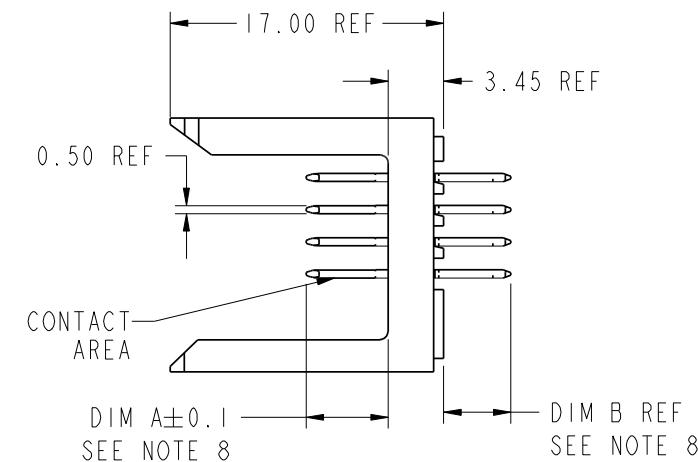


PRODUCT NUMBER
88923-XYY
88923-XYYLF

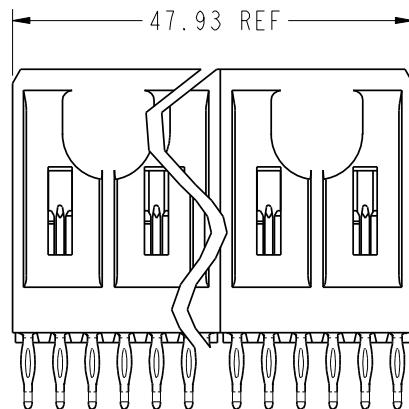
A



B



C



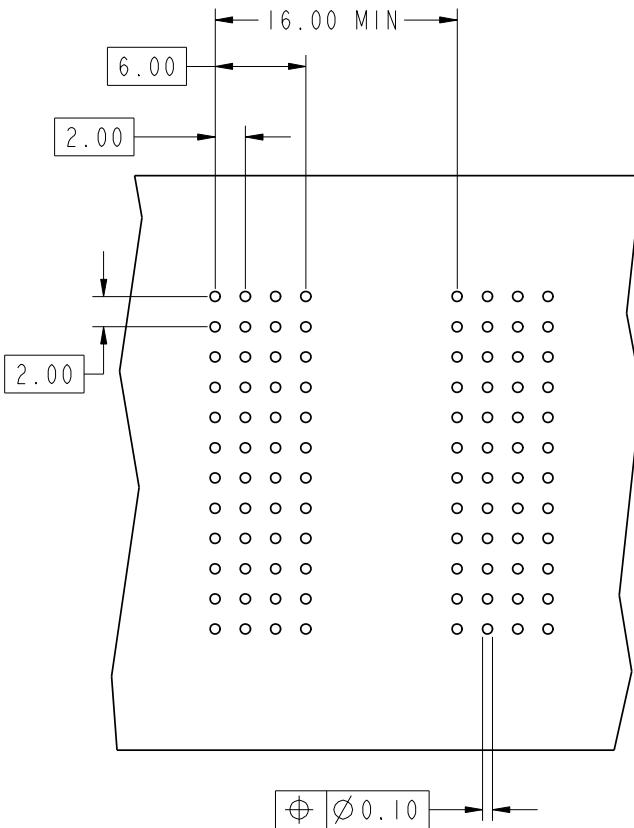
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D

rev	ecn no	dr	date
BB	V06-0569	DCH	2006-06-13
BC	V07-0240	HTB	2007-03-20
BD	DG10-0392	TER	2010-11-12
-	-	-	-
AX	V05-0662	DAI	2005-07-14
AY	V05-0858	DAI	2005-09-08
BA	V05-1030	LP	2005-11-21

www.fciconnect.com				surface	tolerance std	projection	mm
Dr	T.BRUNGARD	11/19/99	ISO 1302	✓	ISO 406	ISO 1101	
TOLERANCES UNLESS OTHERWISE SPECIFIED							
Eng	M.STRAWSER	11/19/99	ANGULAR	0.X	±0.3	size	A4
Chr	M.STRAWSER	11/19/99	LINEAR	0.XX	±0.13	Scale	21:10
Appr	M.STRAWSER	02/29/00	Product family	0.XXX	±0.051	ECN	
			METRAL			Spec ref	*
FCI METRAL SIGNAL HEADER				no	88923	Rev.	
4 MOD, 4 ROW PRESS-FIT				dwg		BD	
catalog no				*	CUSTOMER	sheet	1 of 9

A



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



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

www.fciconnect.com			surface	tolerance std	projection	mm
Dr	T.BRUNGARD	11/19/99	ISO 1302	✓ ISO 406 ISO 1101	Ø	←
Eng	M.STRAWSER	11/19/99	ANGULAR	0.X ± 0.3	size	A4
Chr	M.STRAWSER	11/19/99	LINEAR	0.XX ± 0.13	Scale	11:10
Appr	M.STRAWSER	02/29/00		0.XXX ± 0.051	ECN	
				Product family	METRAL	Spec ref
						*
 METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT catalog no			dwg no	88923	Rev.	BD
			*	CUSTOMER	sheet 2 of 9	

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-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-X03	D	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
SEE NOTE 11 LEAD FREE OPTION	C	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
	A	1	1	1	1	1	1	-	-	-	-	-	1	-	-	-	-	-	1	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-X10 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
	C	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	1
	A	1	1	1	-	-	1	1	1	1	1	-	1	1	1	1	1	1	1	-	1	1	1	1	1

www.fciconnect.com			surface	✓	tolerance	std	projection	mm	
			ISO 1302		ISO 406	ISO 1101			
TOLERANCES UNLESS OTHERWISE SPECIFIED									
Dr	T.BRUNGARD	11/19/99	ANGULAR	0.X	±0.3	size	A4	Scale	
Eng	M.STRAWSER	11/19/99		LINEAR	0.XX			±0.13	11:10
Chr	M.STRAWSER	11/19/99			0.XXX			±0.051	ECN
Appr	M.STRAWSER	02/29/00	Product family		METRAL	Spec ref	*		
FCI		METRAL SIGNAL HEADER				dwg no	88923	Rev	
		4 MOD, 4 ROW PRESS-FIT						8C	

A

A

B

B

METRAL P/N	CONTACT CODE 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
88923-X28	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
SEE NOTE 11 LEAD FREE OPTION	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

5

METRAL P/N	CONTACT CODE 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
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	3	1	1	1	1	1	1	1

5

1

METRAL P/N	CONTACT CODE 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
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	3	1	1	1	1	1	1	1

1



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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 II LEAD FREE OPTION	D	1	1	2	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2
	C	1	1	2	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2
	B	1	1	2	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2
	A	1	1	2	1	1	1	1	1	2	1	1	1	1	2	1	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-X36 SEE NOTE II LEAD FREE OPTION	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	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-X32 SEE NOTE II 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	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 II LEAD FREE OPTION	D	6	6	-	6	6	-	3	-	3	-	2	2	2	2	2	2	6	6	6	6	8	8	8	
	C	-	-	-	6	6	-	3	-	3	-	2	2	2	2	2	2	6	6	6	6	8	8	8	
	B	6	-	-	6	6	6	-	3	-	3	-	2	2	2	2	2	2	6	6	6	6	6	6	6
	A	6	-	-	6	6	6	-	3	-	3	-	2	2	2	2	2	2	6	6	6	6	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-X34 SEE NOTE II 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 II LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	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

www.fciconnect.com				surface ✓ ISO 1302	tolerance std ISO 406 ISO 1101	projection	mm
				TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	T. BRUNGARD	11/19/99	ANGULAR	0.X	±0.3	size	A4
Eng	M. STRAWSER	11/19/99	LINEAR	0.XX	±0.13	Scale	11:10
Chr	M. STRAWSER	11/19/99		0.XXX	±0.051	ECN	
Appr	M. STRAWSER	02/29/00	Product family	METRAL		Spec ref	*
FCI METRAL SIGNAL HEADER				no 88923		Rev. BD	
4 MOD, 4 ROW PRESS-FIT				dwg. no		CUSTOMER	
catalog no						sheet 6 of 9	

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-X51 SEE NOTE II 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	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	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	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	7	8	8
88923-X52 SEE NOTE II LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	6	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	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	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	7	8	8	7	7
88923-X53 SEE NOTE II LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	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	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	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	7	8	8	7	7
88923-X54 SEE NOTE II 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	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	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	1	1	1	1	1	19	19
88923-X55 SEE NOTE II LEAD FREE OPTION	D	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	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

AD

www.fciconnect.com			surface	tolerance std	projection	mm
Dr	T.BRUNGARD	11/19/99	ISO 1302	✓	ISO 406	ISO 1101
TOLERANCES UNLESS OTHERWISE SPECIFIED						
Eng	M.STRAWSER	11/19/99	ANGULAR	0.X	±0.3	size A4
Chr	M.STRAWSER	11/19/99	LINEAR	0.XX	±0.13	Scale 11:10
Appr	M.STRAWSER	02/29/00	0°	±2°	0.XXX	±0.051
Product family			METRAL	ECN		
Spec ref			*			
FCI			METRAL SIGNAL HEADER			Rev. BD
4 MOD, 4 ROW PRESS-FIT			dwg	88923		
catalog no			*	CUSTOMER		
			*	sheet 8 of 9		



A

A

B

B

C

C

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D

D

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

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL
POLYMER 30 % GLASS.
FLAME RETARDANT ACC. UL 94-V0.
3. PIN MATERIAL:
PHOSPHOR BRONZE.
4. PLATING ON PRESS-FIT TAIL:
88923 -XYY IS SnPb
88923-XYLF IS Sn (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
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 OR XXXXX-XXXPLF
7. PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
8. AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
9. -A PLATING HAS Au FLASH IN PRESS FIT
AREA (LEAD FREE).
10. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-22-008.
11. FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 88923-X0ILF
12. 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 MAXIMIM 140°C FOR
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

www.fciconnect.com			surface	tolerance std	projection	mm
Dr	T.BRUNGARD	11/19/99	ISO 1302	✓	ISO 406 ISO 1101	
TOLERANCES UNLESS OTHERWISE SPECIFIED						
Eng	M. STRAWSER	11/19/99	ANGULAR	0.X	±0.3	size
Chr	M. STRAWSER	11/19/99	LINEAR	0.XX	±0.13	A4
Appr	M. STRAWSER	02/29/00		0.XXX	±0.051	Scale
						11:10
					ECN	
					Spec ref	*
 METRAL SIGNAL HEADER			no 88923		Rev.	
+ 4 MOD, 4 ROW PRESS-FIT catalog no			dwg BD			
			* CUSTOMER		sheet	9 of 9

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI / Amphenol:

[88923-107](#) [88923-135LF](#) [88923-146LF](#) [88923-155LF](#) [88923-154LF](#) [88923-153LF](#) [88923-147LF](#) [88923-152LF](#)
[88923-148LF](#)