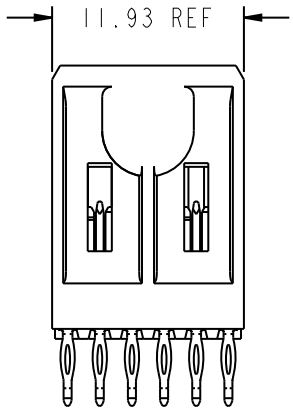


PRODUCT NUMBER  
70218-XYX  
70218-XYXLF



PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-Ayy	TELCORDIA CO	SEE NOTE 9
-N1yy	TELCORDIA CO (NXT)	-
-N5yy	TELCORDIA UE (NXT)	-
-1yy	TELCORDIA CO	-
-2yy	TELECOM CLASS	-
-3yy	IEC CLASS I	-
-5yy	TELCORDIA UE	-
-AyyLF	TELCORDIA CO	SEE NOTE 10
-N1yyLF	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

www.fciconnect.com			surface 3.200 ISO 1302	tolerance std ISO 406 ISO 1101	projection mm	mm
			TOLERANCES UNLESS OTHERWISE SPECIFIED		ANGULAR	LINEAR
Dr	T. BRUNGARD	01/24/00	0.X	±0.3	size	A4
Eng	M. STRAWSER	01/24/00	0.XX	±0.13	Scale	53:50
Chr	M. STRAWSER	01/24/00	0.XXX	±.051	ECN	*
Appr	M. STRAWSER	02/29/00	Product family		METRAL	Spec ref
			METRAL SIGNAL HEADER		dwg no	70218
			1 MOD, 4 ROW PRESS-FIT		Rev.	BX
			catalog no	-	CUSTOMER	sheet 1 of 7

rev	ecn no	dr	date
BR	Y06-0498	DCH	2006-05-31
BS	DG08-0246	CENH	2008-9-12
BT	DG08-0188	TER	2008-11-25
BU	DG08-0346	CENH	2008-12-12
BV	DG09-0256	TER	2009-08-19
BW	DG09-0366	TER	2009-11-24
BX	DG11-0020	TER	2011-01-13



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1

2

3

4

A

B

C

D

A

B

C

D



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
11	6.50	17.00
12	7.25	17.00
13	8.25	4.30
14	8.25	13.60
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00

REQUIRED PC BOARD LAYOUT  
COMPONENT SIDE

SEE PRINT 58351 FOR  
ADDITIONAL PCB INFORMATION



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www.fciconnect.com		surface3.200	tolerance std	projection	mm
		ISO 1302	ISO 406 ISO 1101		
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	T. BRUNGARD	01/24/00	ANGULAR	0.X	±0.3
Eng	M. STRAWSER	01/24/00	LINEAR	0.XX	±0.13
Chr	M. STRAWSER	01/24/00	0° ±2°	0.XXX	±.051
Appr	M. STRAWSER	02/29/00	Product family	METRAL	Spec ref *
		title METRAL SIGNAL HEADER		dwg no	70218
		1 MOD, 4 ROW PRESS-FIT		Rev.	BX
		catalog no	-	CUSTOMER	sheet 2 of 7

REV F - 2006-04-17

2

3

4

PDM: Rev:BX

STATUS:Released

4 Printed: Jan 17, 2011



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METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I													
		1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6	1	2	3	4	5	6		
70218-X01 SEE NOTE 11 LEAD FREE OPTION	D	19	19	-	3	-	1	70218-X06	D	3	3	3	3	3	3	70218-X11	D	1	-	-	-	1	-	70218-X16	D	2	-	-	-	2	-	70218-X21	D	1	4	4	4	4	19	70218-X26	D	2	2	2	2	2	2
	C	19	19	-	3	-	-		C	3	3	3	3	3	3		C	1	-	-	-	1	-		C	2	-	-	-	2	-		C	1	4	4	4	4	19		C	2	2	2	2	2	2
	B	19	19	-	3	-	1		B	4	3	4	4	3	3		B	1	-	-	-	1	-		B	2	-	-	-	2	-		B	3	4	4	4	4	19		B	2	2	2	2	2	1
	A	19	19	-	3	-	1		A	4	3	3	3	3	3		A	1	-	-	-	1	-		A	2	-	-	-	2	-		A	3	4	4	4	4	19		A	2	2	2	2	2	2
70218-X02 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	3	70218-X07	D	19	3	3	3	2	1	70218-X12	D	13	13	13	13	-	-	70218-X17	D	1	1	1	3	3	3	70218-X22	D	4	4	4	4	2	2	70218-X27	D	12	12	21	21	21	21
	C	2	2	2	2	2	3		C	19	3	3	3	2	1		C	13	13	13	-	-	-		C	13	13	13	13	13	13		C	4	4	4	4	2	2		C	12	12	21	21	21	21
	B	2	2	2	2	2	3		B	19	3	3	3	2	1		B	13	13	13	-	-	13		B	13	13	13	13	13	13		B	4	4	4	4	2	2		B	12	12	21	21	21	21
	A	2	2	2	2	2	3		A	19	3	3	3	2	1		A	13	13	13	-	-	13		A	13	13	13	13	13	13		A	4	4	4	4	2	2		A	12	12	21	21	21	21
70218-X03 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	70218-X08	D	19	3	3	3	3	3	70218-X13	D	14	14	14	14	-	-	70218-X18	D	2	2	2	2	2	2	70218-X23	D	2	2	4	4	4	4	70218-X28	D	9	12	12	12	12	21
	C	3	3	3	3	3	3		C	19	3	3	3	3	3		C	14	14	14	-	-	-		C	2	2	2	2	2	2		C	2	2	4	4	4	4		C	9	12	12	12	12	21
	B	3	3	4	4	3	3		B	19	3	3	3	3	3		B	14	14	14	-	-	14		B	2	2	1	2	2	2		B	2	2	4	4	4	4		B	11	12	12	12	12	21
	A	3	3	3	3	3	3		A	19	3	3	3	3	3		A	14	14	14	-	-	14		A	2	2	2	2	2	2		A	2	2	4	4	4	4		A	11	12	12	12	12	21
70218-X04 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	70218-X09	D	3	3	19	4	3	3	70218-X14	D	19	19	19	19	-	-	70218-X19	D	3	3	3	3	3	3	70218-X24	D	1	1	2	2	1	1	70218-X29	D	1	2	2	2	2	1
	C	3	3	4	4	3	3		C	3	3	19	4	3	3		C	19	19	-	-	-		C	3	3	3	3	3	3		C	1	1	2	1	1	1		C	2	2	2	2	2	2	
	B	3	3	3	3	3	3		B	3	3	19	4	3	3		B	19	19	-	-	19		B	3	3	1	3	3	3		B	1	1	2	1	1	1		B	2	2	2	2	2	2	
	A	3	3	3	3	3	3		A	3	3	19	4	3	3		A	19	19	-	-	19		A	3	3	3	3	3	3		A	1	1	2	1	1	1		A	2	2	2	2	2	2	
70218-X05 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	70218-X10	D	19	19	-	3	-	1	70218-X15	D	20	20	20	20	-	-	70218-X20	D	4	4	19	19	19	19	70218-X25	D	2	-	2	2	-	-	70218-X30	D	-	-	-	-	-	-
	C	3	3	4	4	3	3		C	19	19	-	3	-	1		C	20	20	20	-	-		C	4	4	19	19	19	19		C	2	-	-	-	-	-		C	1	1	1	1	1	3	
	B	4	3	3	3	3	3		B	19	19	-	3	-	1		B	20	20	20	-	20		B	4	4	19	19	19	19		B	-	-	-	-	2	-		B	1	1	1	1	1	3	
	A	4	3	3	3	3	3		A	19	19	-	3	-	1		A	20	20	20	-	20		A	4	4	19	19	19	19		A	2	2	-	-	2	-		A	1	1	1	1	1	3	

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www.fciconnect.com		surface 3.200	tolerance std	projection	mm
		ISO 1302	ISO 406 ISO 1101		
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	T. BRUNGARD	01/24/00	ANGULAR	0.X	±0.3
Eng	M. STRAWSER	01/24/00	LINEAR	0.XX	±0.13
Chr	M. STRAWSER	01/24/00	0° ±2°	0.XXX	±.051
Appr	M. STRAWSER	02/29/00	Product family	METRAL	Spec ref *
		METRAL SIGNAL HEADER			dwg no
		1 MOD, 4 ROW PRESS-FIT			70218
		catalog no	CUSTOMER		Rev. BX
					sheet 3 of 7



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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
70218-X31 SEE NOTE 11 LEAD FREE OPTION	D	4	4	3	3	3	3
	C	4	4	3	3	3	3
	B	4	4	3	3	3	3
	A	4	4	3	3	3	3
70218-X32 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	4	4
	C	3	3	3	3	4	4
	B	3	3	3	3	4	4
	A	3	3	3	3	4	4
70218-X33 SEE NOTE 11 LEAD FREE OPTION	D	19	19	19	19	4	4
	C	19	19	19	19	4	4
	B	19	19	19	19	4	4
	A	19	19	19	19	4	4
70218-X34 SEE NOTE 11 LEAD FREE OPTION	D	7	5	5	5	5	7
	C	7	5	5	5	5	7
	B	7	5	5	5	5	7
	A	7	5	5	5	5	7
70218-X35 SEE NOTE 11 LEAD FREE OPTION	D	5	7	5	5	5	5
	C	5	7	5	5	5	5
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5
70218-X36 SEE NOTE 11 LEAD FREE OPTION	D	5	5	7	5	5	5
	C	5	5	7	5	5	5
	B	5	5	5	5	5	7
	A	5	5	5	5	5	7
70218-X37 SEE NOTE 11 LEAD FREE OPTION	D	5	5	5	5	5	7
	C	5	5	7	5	5	7
	B	5	5	5	5	5	7
	A	5	5	5	5	5	7
70218-X38 SEE NOTE 11 LEAD FREE OPTION	D	19	19	19	-	-	-
	C	19	19	19	-	-	-
	B	19	19	19	-	-	19
	A	19	19	19	-	-	19
70218-X39 SEE NOTE 11 LEAD FREE OPTION	D	-	3	-	3	-	3
	C	2	-	2	-	2	-
	B	-	2	-	2	-	2
	A	3	-	3	-	3	-
70218-X40 SEE NOTE 11 LEAD FREE OPTION	D	3	2	2	2	2	2
	C	3	2	2	2	2	2
	B	3	2	2	2	2	2
	A	3	2	2	2	2	2
70218-X41 SEE NOTE 11 LEAD FREE OPTION	D	7	6	6	6	6	6
	C	7	6	6	6	6	6
	B	7	6	6	6	6	6
	A	7	6	6	6	6	6
70218-X42 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	4
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3
70218-X43 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	8
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	6	6	7	7	6	6
70218-X44 SEE NOTE 11 LEAD FREE OPTION	D	-	2	-	2	-	2
	C	2	-	2	-	2	-
	B	-	2	-	2	-	2
	A	2	-	2	-	2	-
70218-X45 SEE NOTE 11 LEAD FREE OPTION	D	-	1	-	1	-	-
	C	1	-	-	-	1	-
	B	-	1	-	1	-	1
	A	1	-	-	-	1	-
70218-X46 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1
	C	2	2	2	2	2	2
	B	2	2	3	3	2	4
	A	3	3	3	3	3	3
70218-X47 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	8	6
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	6	6	7	7	6	6
70218-X48 SEE NOTE 11 LEAD FREE OPTION	D	3	1	1	1	1	1
	C	3	4	1	1	1	1
	B	1	4	3	3	1	1
	A	1	1	1	1	1	1
70218-X49 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	4	3	3	3	3	3
	A	4	3	3	3	3	3
70218-X50 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	4
	A	2	2	2	2	2	4
70218-X51 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	4	4	3	3
70218-X52 SEE NOTE 11 LEAD FREE OPTION	D	3	1	2	2	2	2
	C	3	1	2	2	2	2
	B	3	1	2	2	2	2
	A	3	1	2	2	2	2
70218-X53 SEE NOTE 11 LEAD FREE OPTION	D	3	3	2	2	2	2
	C	3	3	2	2	2	2
	B	3	3	2	2	2	2
	A	3	3	2	2	2	2
70218-X54 SEE NOTE 11 LEAD FREE OPTION	D	2	-	2	-	2	-
	C	-	2	-	2	-	2
	B	2	-	2	-	2	-
	A	-	2	-	2	-	2
70218-X55 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	19	19	19
	C	2	2	2	19	19	19
	B	2	2	2	19	19	19
	A	2	2	2	19	19	19
70218-X56 SEE NOTE 11 LEAD FREE OPTION	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	9	9	9	9	9	21
	A	9	9	9	9	9	21
70218-X57 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	1	19
	A	1	1	1	1	1	19
70218-X58 SEE NOTE 11 LEAD FREE OPTION	D	2	-	2	-	2	-
	C	-	19	-	2	-	19
	B	2	-	19	-	19	-
	A	-	2	-	2	-	19
70218-X59 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	4
	C	1	1	1	4	1	1
	B	1	4	1	1	1	1
	A	1	1	1	1	1	4
70218-X60 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	3	1	1
	C	1	1	1	3	1	1
	B	3	3	1	3	1	1
	A	4	4	4	4	4	4

www.fciconnect.com		surface 3.200	tolerance std	projection	mm
		ISO 1302	ISO 406	ISO 1101	
TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	T. BRUNGARD	01/24/00	ANGULAR	0.X	±0.3
Eng	M. STRAWSER	01/24/00	LINEAR	0.XX	±0.13
Chr	M. STRAWSER	01/24/00	0° ±2°	0.XXX	±.051
Appr	M. STRAWSER	02/29/00	Product family	METRAL	Spec ref *
FCI METRAL SIGNAL HEADER			dwg no	70218	Rev. BX
1 MOD, 4 ROW PRESS-FIT			CUSTOMER		sheet 4 of 7
catalog no					





METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
70218-X121  SEE NOTE 11 LEAD FREE OPTION	D	2	2	3	19	1	19
	C	2	2	3	19	2	19
	B	2	2	3	19	19	2
	A	2	2	3	19	19	3



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:  
70218 -XXX IS SnPb  
70218-XYLF 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: 70218-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.



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www.fciconnect.com			surface 3.200 ISO 1302	tolerance std ISO 406 ISO 1101	projection mm
			TOLERANCES UNLESS OTHERWISE SPECIFIED		
Dr	T.BRUNGARD	01/24/00	ANGULAR	0.X ±0.3	size A4 Scale 53:50
Eng	M.STRAWSER	01/24/00	LINEAR	0.XX ±0.13	
Chr	M.STRAWSER	01/24/00	0° ±2°	0.XXX ±.051	ECN *
Appr	M.STRAWSER	02/29/00	Product family	METRAL	Spec ref *
			METRAL SIGNAL HEADER		dwg no 70218 Rev. BX
			I MOD, 4 ROW PRESS-FIT		
			catalog no	CUSTOMER	sheet 7 of 7