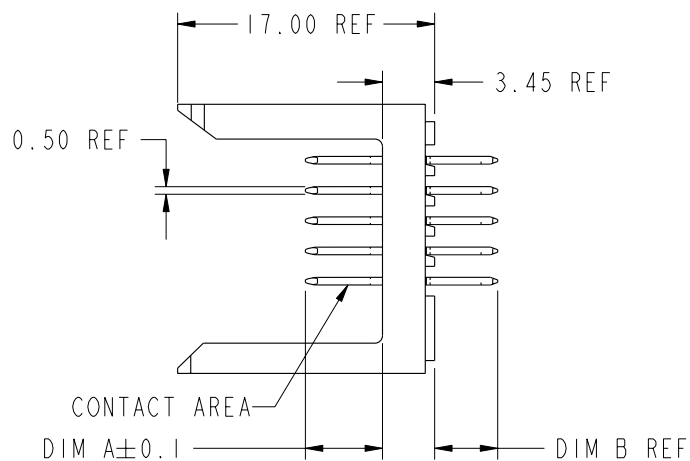
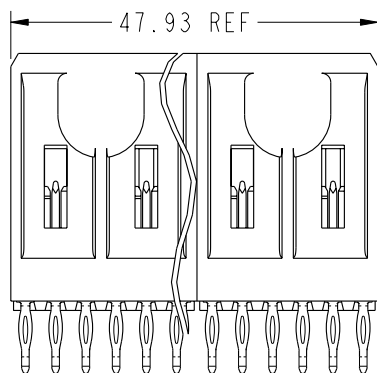
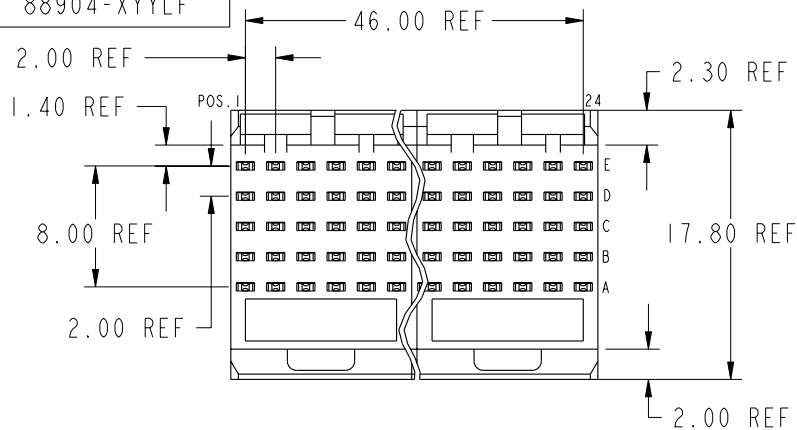
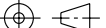
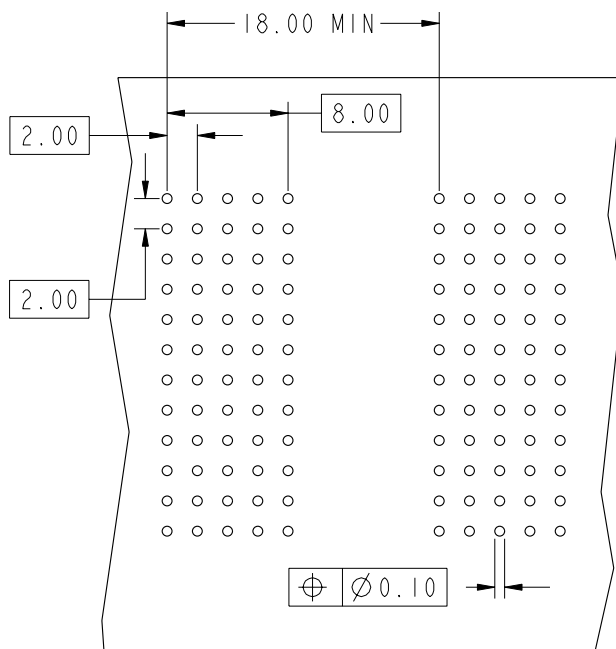




PRODUCT NUMBER
88904-XXX
88904-XXYLF

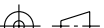


mat'l code				--		tolerances unless otherwise specified			CUSTOMER			
ltr	ecn no.	dr	date	linear	0. X ± 0.3			COPY		www.fciconnect.com		
K	V06-0569	DCH	2006-06-13		0. XX ± 0.13			projection			title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT	
L	V06-0984	DCH	2006-09-29		. XXX ± .051							
-	-	-	-		0° ± 2°							
				angles					product family		METRAL	code
F	V05-0966	DAI	10/18/05	dr	T.BRUNGARD	11/19/99	MM		size	dwg no	88904	213
G	V05-1064	LP	11/22/05	enrg	M.STRAWSER	11/19/99						
H	V05-1099	LP	12/07/05	chr	M.STRAWSER	11/19/99						
J	V05-1125	LP	12/19/05	appd	M.STRAWSER	02/29/00						
sheet index		revision		L	L	L	L	L				
sheet		sheet		1	2	3	4	5				



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
19	8.00	4.30

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com												
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY			title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT										
L					0.XX ±0.13		projection													
					.XXX ±.051															
				angles	0° ±2°															
				dr	T.BRUNGARD	11/19/99	 MM		product family				METRAL				code			
				enr	M.STRAWSE	11/19/99			size		dwg no				213					
				chr	M.STRAWSE	11/19/99			scale		88904				sheet 2					
				appd	M.STRAWSE	02/29/00	1:1		A											
sheet index		revision sheet																		

cage code 22526

Pro/E

PDM: Rev:L

STATUS: Released

Printed: Nov 13, 2007



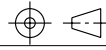
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88904-X01 SEE NOTE 9 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	3	1	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	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								
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88904-X02 SEE NOTE 9 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	2	2	2	4	3	3	3	3	3	3	19	19	4	4	3	3
	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	19	4	4	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	19	4	4	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	19	4	4	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	19	4	4	3	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
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88904-X03 SEE NOTE 9 LEAD FREE OPTION	E	4	2	3	3	3	2	3	2	3	2	4	4	4	4	2	2	2	2	2	2	2	2	2	2
	D	4	2	3	3	3	2	3	2	3	2	4	4	4	4	2	2	2	2	2	2	2	2	2	2
	C	4	2	3	3	3	2	3	2	3	2	4	4	4	4	2	2	2	2	2	2	2	2	2	2
	B	4	2	3	3	3	2	3	2	3	2	4	4	4	4	2	2	2	2	2	2	2	2	2	2
	A	4	2	3	3	3	2	3	2	3	2	4	4	4	4	2	2	2	2	2	2	2	2	2	2
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88904-X04 SEE NOTE 9 LEAD FREE OPTION	E	1	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	D	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	C	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	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	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
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88904-X05 SEE NOTE 9 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	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	4	4	4	4	4	4	2	2	2	2	2	2	4	4	4	4	4	4	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								
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88904-X06 SEE NOTE 9 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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	C	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	3	1	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	1	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
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88904-X07 SEE NOTE 9 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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	C	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	1	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	1	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
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88904-X08 SEE NOTE 9 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3
	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
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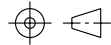
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L					0.XX ±0.13			METRAL SIGNAL HEADER	
					.XXX ±.051			4 MOD, 5 ROW PRESS-FIT	
				angles	0° ±2°	scale		product family	
				dr	T.BRUNGARD 11/19/99			METRAL	
				engr	M.STRAWSE 11/19/99			code	
				chr	M.STRAWSE 11/19/99	1:1	A	size	
				appd	M.STRAWSE 02/29/00			dwg no	
								88904	
sheet	revision							sheet	
index	sheet							3	



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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
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88904-X09 SEE NOTE 9 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	3	1	2	1	2	2	2	2	2	2	2	2	3
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	C	2	2	2	2	2	2	2	2	2	2	2	3	1	2	2	3	1	2	2	2	2	2	2	3
	B	2	2	2	2	2	2	2	2	2	2	2	3	1	2	2	2	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
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88904-X10 SEE NOTE 9 LEAD FREE OPTION	E	3	2	3	2	2	2	2	2	2	2	2	2	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	1
	B	1	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						
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88904-X11 SEE NOTE 9 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	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	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

CONFIDENTIAL

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title METRAL SIGNAL HEADER 4 MOD, 5 ROW PRESS-FIT			
L					0.XX ±0.13						
					.XXX ±.051						
				angles	0° ±2°		MM	product family METRAL code 213 size dwg no 88904 sheet 4			
				dr	T.BRUNGARD 11/19/99						
				enrg	M.STRAWSER 11/19/99						
				chr	M.STRAWSER 11/19/99	scale 1:1	A				
				appd	M.STRAWSER 02/29/00						
sheet index	revision sheet										

Pro/E

cage code 22526

4

PDM: Rev:L

STATUS:Released

Printed: Nov 13, 2007



PRODUCT NUMBER
88904-XYX
88904-XYLFF

NOTES:

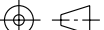
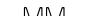
- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL
POLYMER 30 % GLASS.
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:
88904-XYX IS SnPb
88904-XYLFF IS Sn (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
- 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
- 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.) -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.

FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 88904-X0ILF

PLATING IN CONTACT AREA

DASH NUMBER	PERFORMANCE LEVEL	NOTES
-PYY	0.25 um GOLD MIN.	-
-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 8
-N5YYLF	TELCORDIA UE (NXT)	SEE NOTE 8
-IYYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 8
-2YYLF	TELECOM CLASS	SEE NOTE 8
-5YYLF	TELCORDIA UE	SEE NOTE 8

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