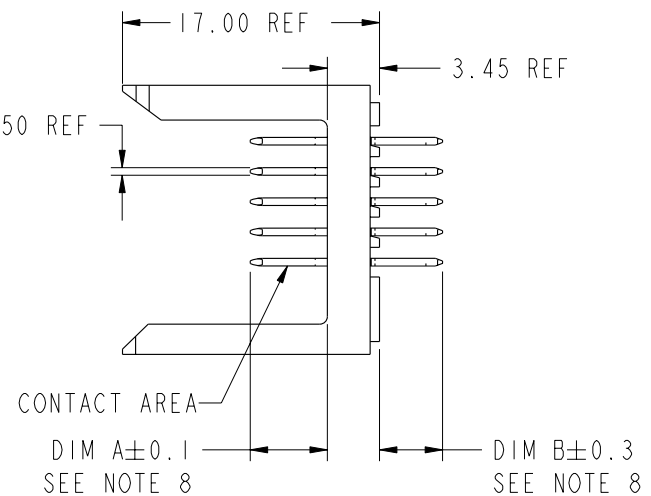
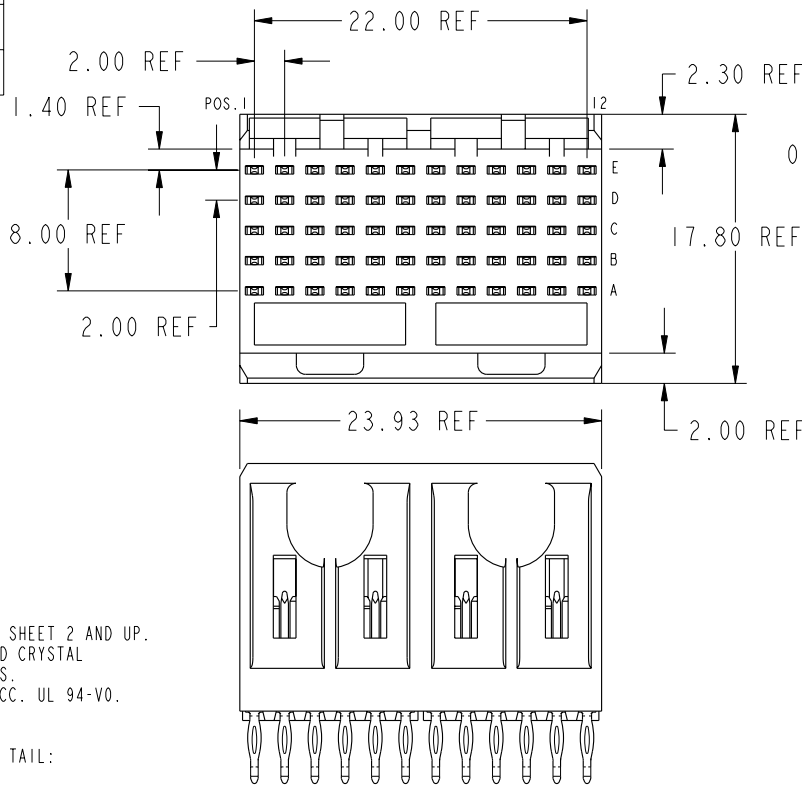




PRODUCT NUMBER
88903-XY
88903-XYLF



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:
88903-XY IS SnPb
88903-XYLF IS Sn (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE BELOW.
- PRODUCT MARKING:
PART NUMBER DESIGNATION J8 BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES. IF TRAY PACKAGING IS REQUIRED, SUFFIX "P" WILL BE ADDED TO THE END OF THE PART NUMBER. EXAMPLE: XXXX-XXXP OR XXXX-XXPLF
- PRODUCT SPECIFICATION: GS-12-180
- APPLICATION SPECIFICATION: BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
- XY 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: 88903-XOILF.
- 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 (DRAWING NO.)-N5--- WILL NOT WITHSTAND REFLOW AND Au CONTACT SURFACES OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM OF 140°C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

PLATING IN CONTACT AREA

DASH NUMBER	PERFORMANCE LEVEL	NOTES
-PYY	0.25 um GOLD MIN.	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	-
-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

mat'l code				tolerances unless otherwise specified		CUSTOMER	
ltr	ecr no.	dr	date			COPY	
S	V06-0305	LP	04/10/06	linear	0.X ± 0.3	projection	
T	V06-0433	DAI	2006-05-09		0.XX ± 0.13		
U	V06-0984	DCH	2006-09-29	angles	.XXX ± .051		
-	-	-	-	dr	T.BRUNGARD 11/19/99		
N	V05-1027	LP	11/09/05	enrg	M.STRAWER 11/19/99		
P	V05-1130	DAI	12/21/05	chr	M.STRAWER 11/19/99		
R	V06-0211	LP	3/8/06	appd	M.STRAWER 02/29/00		
sheet index	revision sheet	U 1	U 2	U 3	U 4		



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title
METRAL SIGNAL HEADER
2 MOD, 5 ROW PRESS-FIT

product family METRAL code 213
size dwg no 88903 sheet 1 of 4

cage code 22526

Pro/E

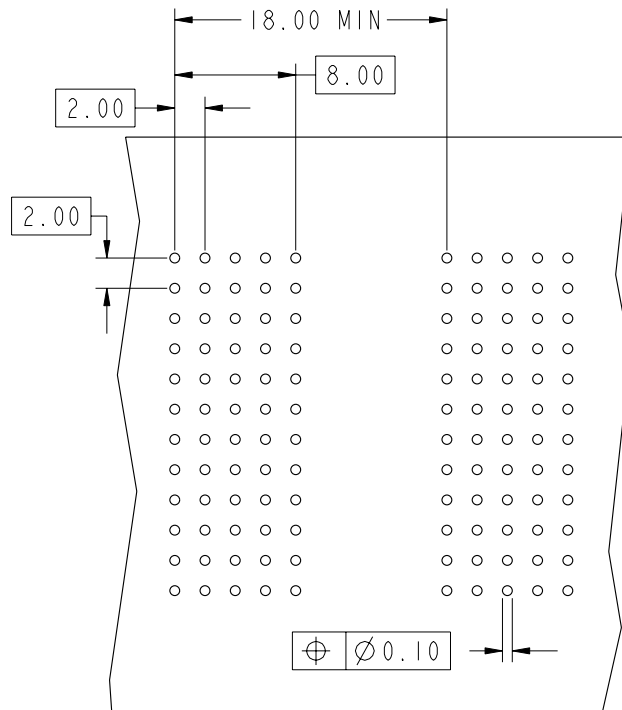
3

4

PDM: Rev:U

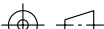
STATUS: Released

Printed: Dec 29, 2007



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
6	5.75	13.60
7	6.50	13.60
12	7.25	17.00
19	8.00	4.30
23	8.00	17.70
25	5.75	15.60
42	7.25	15.60

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

cage code 22526

Pro/E

PDM: Rev:U

STATUS: Released

Printed: Dec 29, 2007



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X01 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	4	19	19	2	19	19
	D	2	2	2	2	2	19	19	2	19	19
	C	2	2	2	2	2	19	19	2	19	19
	B	2	2	2	2	2	19	19	2	19	19
	A	2	2	1	2	2	19	19	2	19	19
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X02 SEE NOTE 11 FOR LEAD FREE	E	12	25	25	25	25	25	25	25	25	25
	D	25	25	25	25	25	25	25	25	25	25
	C	25	25	23	25	25	23	25	25	25	25
	B	25	25	25	25	25	12	25	25	25	25
	A	12	25	25	25	25	25	25	25	25	25
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X03 SEE NOTE 11 FOR LEAD FREE	E	2	2	1	1	1	1	1	1	1	2
	D	2	2	1	1	1	1	1	1	1	2
	C	2	2	1	1	1	1	1	1	1	2
	B	2	2	1	1	1	1	1	1	1	2
	A	2	2	1	1	1	1	1	1	1	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X04 SEE NOTE 11 FOR LEAD FREE	E	7	6	6	6	6	6	6	6	6	6
	D	7	6	6	6	6	6	6	6	6	6
	C	7	6	6	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6	6	6
	A	7	6	6	6	6	6	6	6	6	6
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X05 SEE NOTE 11 FOR LEAD FREE	E	3	2	2	2	2	2	2	2	2	2
	D	3	2	2	2	2	2	2	2	2	2
	C	3	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	2
	A	3	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X06 SEE NOTE 11 FOR LEAD FREE	E	3	2	2	2	2	2	2	1	2	2
	D	3	2	2	2	2	2	2	3	2	2
	C	3	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	1
	A	3	2	2	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X07 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	2	2	2	2	4	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	4	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X08 SEE NOTE 11 FOR LEAD FREE	E	25	25	25	25	25	25	25	25	25	25
	D	25	25	25	25	25	25	25	25	25	25
	C	25	42	25	25	25	25	25	25	25	25
	B	25	25	25	25	25	25	25	25	25	25
	A	25	25	25	25	25	25	25	25	25	25
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X09 SEE NOTE 11 FOR LEAD FREE	E	2	2	3	2	2	3	2	2	4	2
	D	2	2	3	2	2	3	2	2	4	2
	C	2	2	3	2	2	3	2	2	4	2
	B	2	2	3	2	2	3	2	2	4	2
	A	2	2	3	2	2	3	2	2	4	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X10 SEE NOTE 11 FOR LEAD FREE	E	2	2	3	2	2	3	2	3	2	3
	D	2	2	3	2	2	3	2	3	2	3
	C	2	2	3	2	2	3	3	3	3	3
	B	2	2	3	2	2	3	1	3	2	3
	A	2	2	3	2	2	3	1	3	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X11 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	1
	B	2	2	2	2	2	2	2	2	2	1
	A	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X12 SEE NOTE 11 FOR LEAD FREE	E	2	2	3	2	2	2	2	2	2	2
	D	2	2	3	2	2	2	2	2	2	2
	C	2	2	3	2	2	2	2	2	2	2
	B	2	2	3	2	2	2	2	2	2	2
	A	2	2	3	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X13 SEE NOTE 11 FOR LEAD FREE	E	1	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88903-X14 ----- 88903-X14LF	E	4	-	4	-	4	-	2	-	2	-
	D	-	3	-	3	-	2	-	2	-	19
	C	4	-	4	-	4	-	2	-	2	-
	B	-	3	-	3	-	2	-	2	-	19
	A	1	-	1	-	4	-	2	-	2	-

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	METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT		
U				angles	0.XX ±0.13			product family	METRAL		code
					.XXX ±.051			size	88903		213
				dr	0° ±2°			dwg no	A		sheet
				enrg	T.BRUNGARD 11/19/99					3	
				chr	M.STRAWSE 11/19/99						
				appd	M.STRAWSE 02/29/00						
sheet	revision										
index	sheet										



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88903-X15	E	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
-----	C	4	4	4	4	4	4	2	2	2	2	2	2
88903-X15LF	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
88903-X19	E	4	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
88903-X19LF	C	19	2	2	19	19	2	19	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	4	2	2	2	19	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88903-X16	E	2	2	2	2	2	2	2	2	2	2	4	4
	D	2	2	2	2	2	2	2	2	2	2	2	2
-----	C	2	2	2	2	2	2	2	19	19	19	19	19
88903-X16LF	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
88903-X20	E	4	2	2	2	2	2	4	2	2	2	2	2
	D	4	2	2	2	2	2	4	2	2	2	2	2
-----	C	4	2	2	2	2	2	4	2	2	2	2	2
88903-X20LF	B	4	2	2	2	2	2	4	2	2	2	2	2
	A	4	2	2	2	1	4	4	2	2	2	1	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88903-X17	E	4	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
-----	C	19	2	2	2	19	19	19	2	2	2	2	2
88903-X17LF	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	4	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88903-X21	E	2	2	2	2	2	2	2	2	2	4	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
88903-X21LF	C	2	2	4	2	2	2	2	2	2	4	2	2
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88903-X18	E	1	2	2	2	2	2	2	2	2	2	2	2
	D	1	2	2	2	2	2	2	2	1	1	2	2
88903-X18LF	C	2	2	2	2	2	2	2	2	2	1	2	2
	B	1	2	2	2	2	2	2	2	2	1	2	2
	A	1	2	2	2	2	2	2	2	1	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
88903-X22	E	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
-----	C	2	2	2	2	2	2	2	2	2	2	2	2
88903-X22LF	B	2	2	2	2	2	2	2	3	2	2	2	2
	A	2	2	2	2	2	2	2	3	2	2	2	2

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