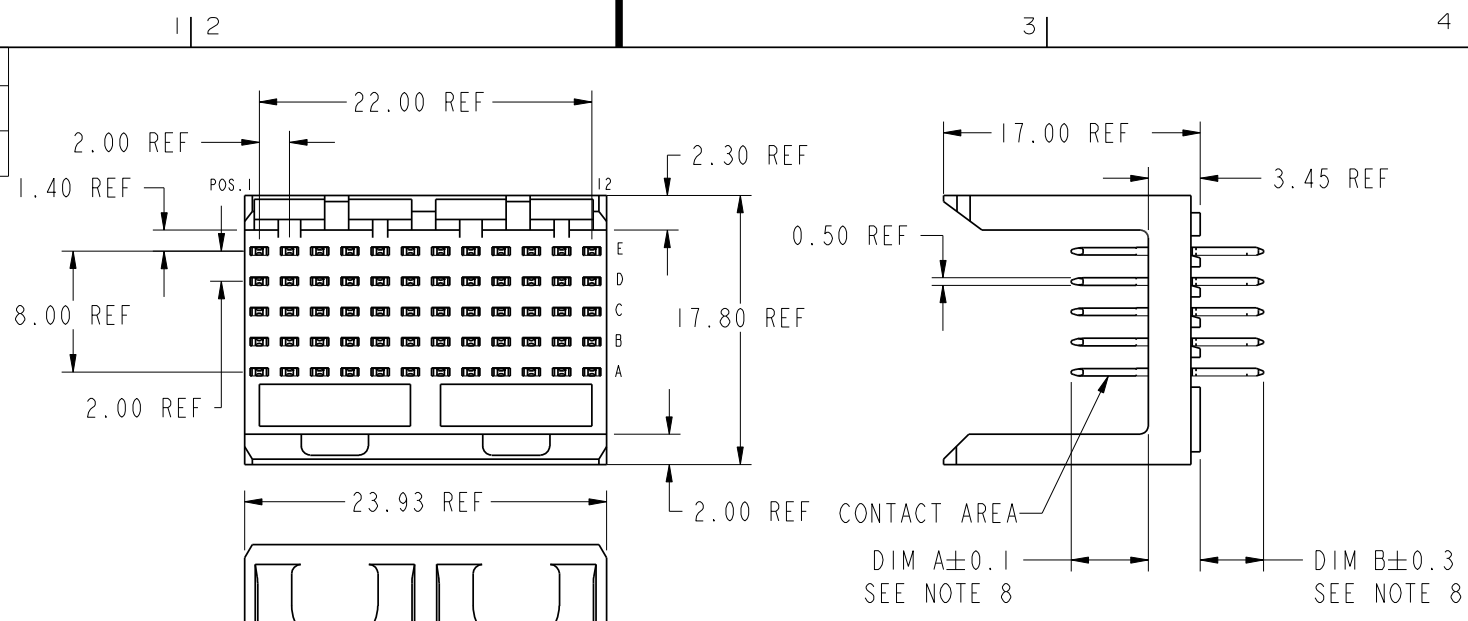




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PRODUCT NUMBER
88903-XYX
88903-XYXLF



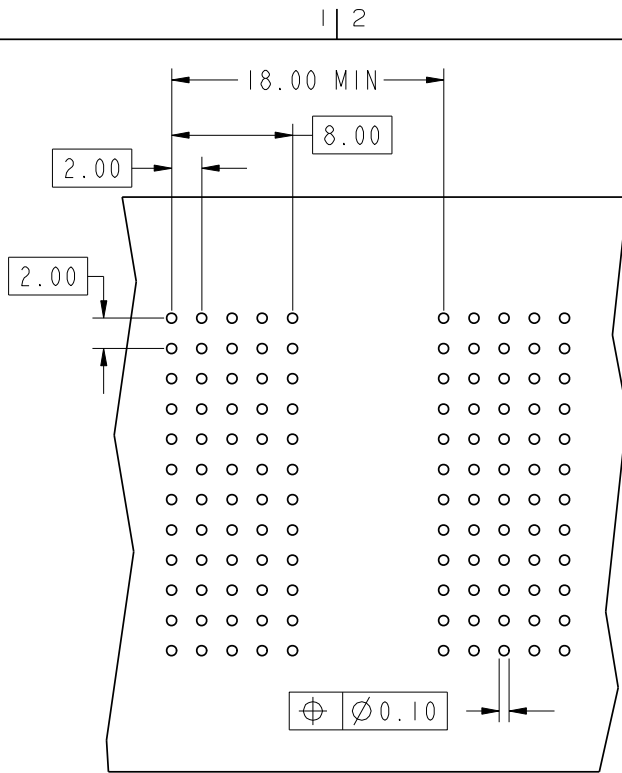
PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-PYY	0.25 um GOLD MIN.	SEE NOTE 9
-NIYY	TELCORDIA CO (NXT)	-
-N5YY	TELCORDIA UE (NXT)	-
-IYY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-NIYYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 10
-N5YYLF	TELCORDIA UE (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:
- 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-XYX IS SnPb
88903-XYXLF IS Sn (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE BELOW.
 - PRODUCT MARKING:
PART NUMBER DESIGNATION J& 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: XXXXX-XXXP OR XXXXX-XXXPLF
 - PRODUCT SPECIFICATION: GS-12-180
APPLICATION SPECIFICATION: BUS-20-073
 - AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
 - AYY 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-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 (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.

mat'l code				tolerances unless otherwise specified				CUSTOMER	
lfr	ecn no.	dr	date	linear	0.X ± 0.3	COPY		www.fciconnect.com title METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT product family METRAL code 213 size dwg no 88903 sheet 1 of 4	
S	V06-0305	LP	04/10/06		0.XX ± 0.13	projection			
T	V06-0433	DAI	2006-05-09		.XXX ± .051				
U	V06-0984	DCH	2006-09-29	angles	0° ± 2°				
V	DG09-0256	TER	2009-08-19	dr	T.BRUNGARD 11/19/99	MM		scale	
W	DG10-0243	TER	2010-06-28	enrg	M.STRAWSER 11/19/99	2:1			
-	-	-	-	chr	M.STRAWSER 11/19/99				
R	V06-0211	LP	3/8/06	appd	M.STRAWSER 02/29/00				
sheet index	revision sheet	W	W	W	W				
		1	2	3	4				



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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
8	7.25	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		FCI	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		www.fciconnect.com	
W					0.XX ±0.13	projection		title	
				angles	.XXX ±.051			METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT	
				dr	0° ±2°			product family	
				engr	T.BRUNGARD 11/19/99	MM		METRAL	
				chr	M.STRAWSER 11/19/99	scale		code	
				appd	M.STRAWSER 02/29/00	1:1		213	
sheet index	revision sheet							size	
								dwg no	
								A 88903	
								sheet	
								2	

Pro/E

PDM: Rev:W

cage code 22526

STATUS Released

Printed: Jul 01 2010

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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
88903-X02 SEE NOTE 11 FOR LEAD FREE	E	12	25	25	25	25	25	25	25	25	25	25	25
	D	25	25	25	25	25	25	25	25	25	25	25	25
	C	25	25	23	25	25	23	25	25	25	25	25	25
	B	25	25	25	25	25	12	25	25	25	25	25	25
	A	12	25	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	11	12
88903-X03 SEE NOTE 11 FOR LEAD FREE	E	2	2	1	1	1	1	1	1	1	1	1	2
	D	2	2	1	1	1	1	1	1	1	1	1	2
	C	2	2	1	1	1	1	1	1	1	1	1	2
	B	2	2	1	1	1	1	1	1	1	1	1	2
	A	2	2	1	1	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	11	12
88903-X04 SEE NOTE 11 FOR LEAD FREE	E	7	6	6	6	6	6	6	6	6	6	6	6
	D	7	6	6	6	6	6	6	6	6	6	6	6
	C	7	6	6	6	6	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6	6	6	6	6
	A	7	6	6	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	11	12
88903-X05 SEE NOTE 11 FOR LEAD FREE	E	3	2	2	2	2	2	2	2	2	2	2	2
	D	3	2	2	2	2	2	2	2	2	2	2	2
	C	3	2	2	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	2	2	2
	A	3	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-X06 SEE NOTE 11 FOR LEAD FREE	E	3	2	2	2	2	2	2	2	2	2	2	2
	D	3	2	2	2	2	2	2	2	2	2	2	2
	C	3	2	2	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	2	2	1
	A	3	2	2	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	11	12
88903-X07 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	2	2	2	2	4	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	4	2	2	2	2	2	2	2	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-X08 SEE NOTE 11 FOR LEAD FREE	E	25	25	25	25	25	25	25	25	25	25	25	25
	D	25	25	25	25	25	25	25	25	25	25	25	25
	C	25	42	25	25	25	25	25	25	25	25	25	25
	B	25	25	25	25	25	25	25	25	25	25	25	25
	A	25	25	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	11	12
88903-X09 SEE NOTE 11 FOR LEAD FREE	E	2	2	3	2	2	3	2	2	2	4	2	2
	D	2	2	3	2	2	3	2	2	2	4	2	2
	C	2	2	3	2	2	3	2	2	2	4	2	2
	B	2	2	3	2	2	3	2	2	2	4	2	2
	A	2	2	3	2	2	3	2	2	2	4	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-X10 SEE NOTE 11 FOR LEAD FREE	E	2	2	3	2	2	3	2	3	2	3	2	3
	D	2	2	3	2	2	3	2	3	2	3	2	3
	C	2	2	3	2	2	3	3	3	3	3	3	3
	B	2	2	3	2	2	3	1	3	2	3	2	2
	A	2	2	3	2	2	3	1	3	2	3	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-X11 SEE NOTE 11 FOR LEAD FREE	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	1
	C	2	2	2	2	2	2	2	2	2	2	2	1
	B	2	2	2	2	2	2	2	2	2	2	2	1
	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-X12 SEE NOTE 11 FOR LEAD FREE	E	2	2	3	2	2	2	2	2	2	2	2	2
	D	2	2	3	2	2	2	2	2	2	2	2	2
	C	2	2	3	2	2	2	2	2	2	2	2	2
	B	2	2	3	2	2	2	2	2	2	2	2	2
	A	2	2	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	11	12
88903-X13 SEE NOTE 11 FOR LEAD FREE	E	1	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
	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-X14 ----- 88903-X14LF	E	4	-	4	-	4	-	2	-	2	-	2	-
	D	-	3	-	3	-	2	-	2	-	2	-	19
	C	4	-	4	-	4	-	2	-	2	-	2	-
	B	-	3	-	3	-	2	-	2	-	2	-	19
A	1	-	1	-	4	-	2	-	2	-	2	-	

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		www.fciconnect.com	
W				angles	0.XX ±0.13	projection		title	
				dr	.XXX ±.051			METRAL SIGNAL HEADER	
				engr	0° ±2°			2 MOD, 5 ROW PRESS-FIT	
				chr	T.BRUNGARD 11/19/99	MM		product family METRAL	
				appd	M.STRAWSER 11/19/99	scale		code	
					M.STRAWSER 11/19/99	1:1		size	
					M.STRAWSER 02/29/00			dwg no	
sheet index	revision sheet							A 88903	
								213 sheet 3	

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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	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2

88903-X15LF	C	4	4	4	4	4	4	2	2	2	2	2	2	2	2
	B	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	

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	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2

88903-X19LF	C	19	2	2	19	19	19	2	2	2	2	2	2	2	2
	B	2	2	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	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-X23	E	8	6	6	6	6	6	6	6	6	6	6	6	6	6
	D	8	6	6	6	6	6	6	6	8	6	6	6	6	6

88903-X23LF	C	8	6	6	6	6	6	6	6	8	6	6	6	6	6
	B	8	6	6	6	6	6	6	6	8	6	6	6	6	6
A	8	6	6	6	6	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	11	12	
88903-X16	E	2	2	2	2	2	2	2	2	2	4	4		
	D	2	2	2	2	2	2	2	2	2	2	2	2	2

88903-X16LF	C	2	2	2	2	2	2	19	19	19	19	19		
	B	2	2	2	2	2	2	2	2	2	2	2	2	2
A	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	2
	D	4	2	2	2	2	4	2	2	2	2	2	2	2

88903-X20LF	C	4	2	2	2	2	4	2	2	2	2	2	2	2
	B	4	2	2	2	2	4	2	2	2	2	2	2	2
A	4	2	2	2	1	4	4	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	2
	D	2	2	2	2	2	2	2	2	2	2	2	2	2

88903-X17LF	C	19	2	2	2	19	19	19	2	2	2	2	2	2
	B	2	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	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	4	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2	2

88903-X21LF	C	2	2	4	2	2	2	2	2	4	2	2	2	2
	B	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	

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	2
	D	1	2	2	2	2	2	2	1	1	2	2		

88903-X18LF	C	2	2	2	2	2	2	2	2	1	2	2		
	B	1	2	2	2	2	2	2	2	1	2	2		
A	1	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	2
	D	2	2	2	2	2	2	2	2	2	2	2	2	2

88903-X22LF	C	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	3	2	2	2	2	2	2
A	2	2	2	2	2	2	3	2	2	2	2	2	2	

mat'l code				--	tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3		COPY				title	
W					0.XX ±0.13		projection				METRAL SIGNAL HEADER	
					.XXX ±.051						2 MOD, 5 ROW PRESS-FIT	
					0° ±2°		MM				product family	
					dr T.BRUNGARD 11/19/99		scale				METRAL	
				enrg M.STRAWSER 11/19/99		1:1		code				
				chr M.STRAWSER 11/19/99				size				
				appd M.STRAWSER 02/29/00				dwg no				
sheet index		revision sheet						A		213		
								88903		sheet 4		