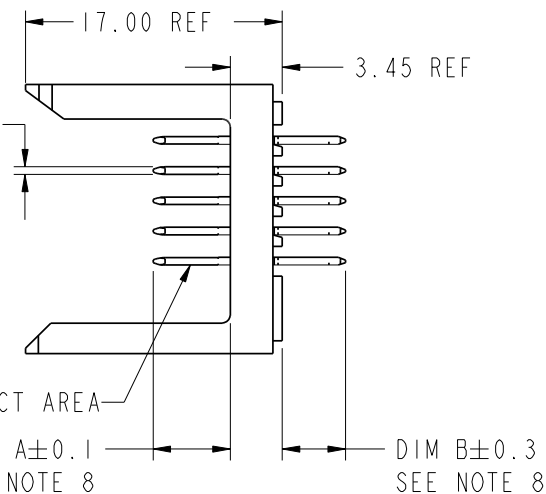
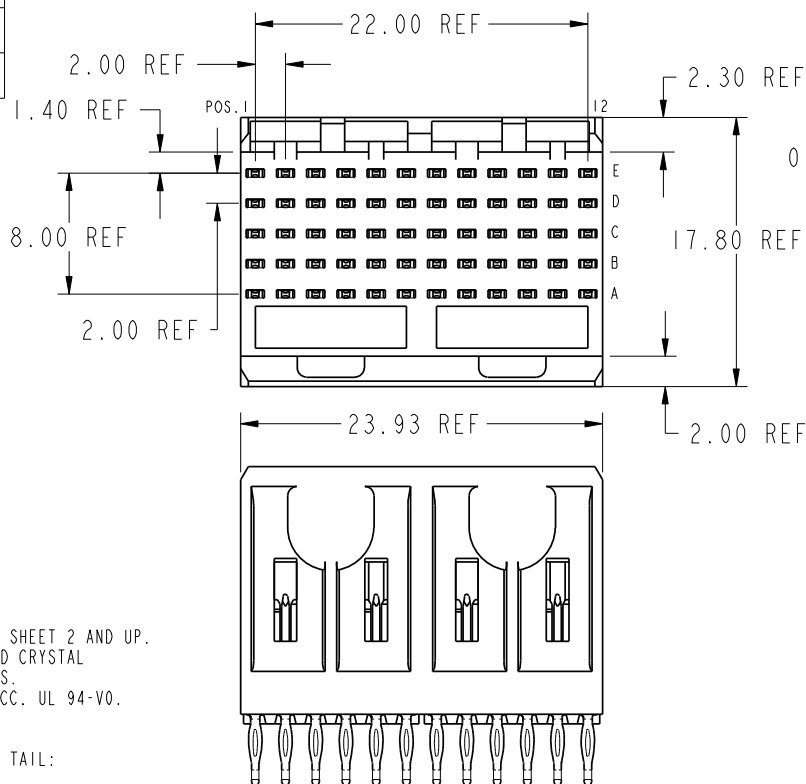




PRODUCT NUMBER
88903-XY
88903-XYLF



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: XXXXX-XXXP OR XXXXX-XXXPLF
- PRODUCT SPECIFICATION: GS-12-180
APPLICATION SPECIFICATION: BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
- A Y 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.

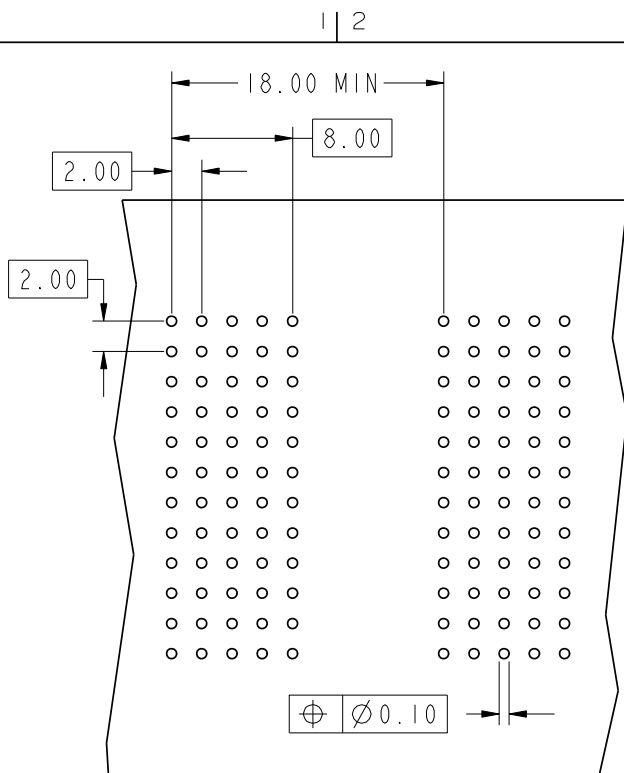
PLATING IN CONTACT AREA

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

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



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



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	12	25	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	1	2	2	2
	D	3	2	2	2	2	2	3	2	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	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-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	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection		title	
W					0.XX ±0.13					METRAL SIGNAL HEADER	
					.XXX ±.051					2 MOD, 5 ROW PRESS-FIT	
				angles	0° ±2°					product family	
				dr	T.BRUNGARD 11/19/99					METRAL	
				enrg	M.STRAWSER 11/19/99					code	
				chr	M.STRAWSER 11/19/99					213	
				appd	M.STRAWSER 02/29/00					sheet	
										3	
sheet	revision										
index	sheet										

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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-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
-----	C	2	2	2	2	2	2	2	2	1	1	2	2
88903-X18LF	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

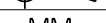
METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		I	2	3	4	5	6	7	8	9	10	11	12
88903-X19	E	4	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
88903-X19LF	C	19	2	2	19	19	2	19	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	4	2	2	2	19	2	2	2	2	2	2	2

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

[illegible]

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	3	2	2	2	2	2
	A	2	2	2	2	2	2	3	2	2	2	2	2

[illegible]

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