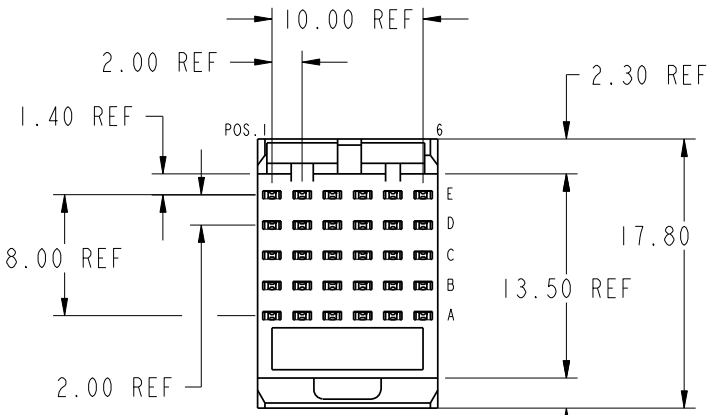
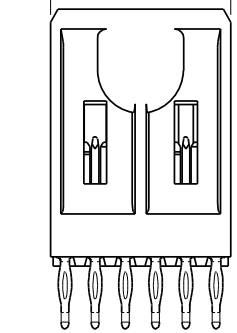
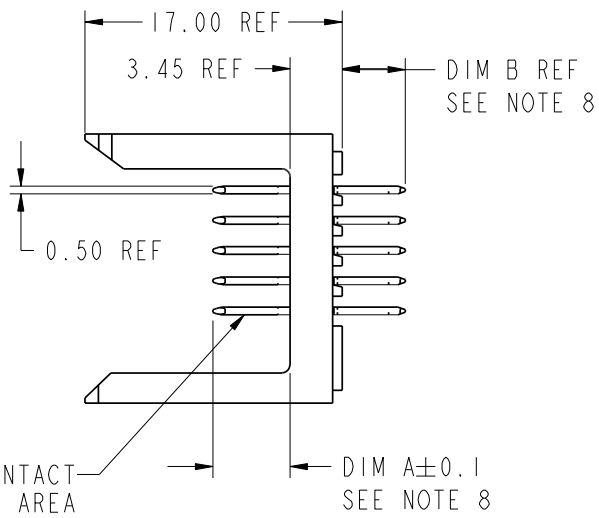
PRODUCT NUMBER
88902-XYY
88902-XYYLF







NOTES:
1. FOR DIM A, AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL
   POLYMER 30 % GLASS.
   FLAME RETARDANT ACC. UL 94-V0.
3. PIN MATERIAL:
   PHOSPHOR BRONZE
4. PLATING ON PRESS-FIT TAIL:
   88902-XYY IS SnPb
   88902-XYYLF IS Sn (LEAD FREE)
   PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE BELOW.
5. PRODUCT MARKING:
   PART NUMBER DESIGNATION)& BATCH I.D.
6. 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
7. PRODUCT SPECIFICATION: GS-12-180
   APPLICATION SPECIFICATION: BUS-20-073
8. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
9. -AYY PLATING HAS Au FLASH IN PRESS-FIT AREA (LEAD FREE)
10. THE PRODUCTS WHERE THE PART NUMBER ENDS IN 'LF' MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
11. FOR LEAD FREE PART NUMBERS, ADD AN 'LF' SUFFIX. EXAMPLE: 88902-X01LF.
12. 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
-N1YY	TELCORDIA CO (NXT)	-
-N5YY	TELCORDIA UE (NXT)	-
-1YY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS 1	-
-5YY	TELCORDIA UE	-
-N1YYLF	TELCORDIA CO (NXT) IEC CLASS 1	SEE NOTE 10
-N5YYLF	TELCORDIA UE (NXT)	SEE NOTE 10
-1YYLF	TELCORDIA CO IEC CLASS 1	SEE NOTE 10
-2YYLF	TELECOM CLASS	SEE NOTE 10
-5YYLF	TELCORDIA UE	SEE NOTE 10

mat'l code	SEE NOTES			tolerances unless otherwise specified				CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date		0.X ±0.3			COPY	
X	DG09-0256	TER	2009-08-19	linear	0.XX ±0.13			projection	title: METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT
Y	DG09-0306	TER	2009-09-14		.XXX ±.051				
AA	DG09-0366	TER	2009-11-24	angles	0° ±2°			MM	product family: METRAL; code: 213
AB	DG10-0165	TER	2010-05-05	dr	T.BRUNGARD	11/19/99			size: A; dwg no: 88902; sheet: 1 of 4
AC	DG10-0243	TER	2010-06-28	engr	M.STRAWSER	11/19/99		scale 2:1	
-	-	-	-	chr	M.STRAWSER	11/19/99			
W	DG09-0169	TER	2009-05-25	appd	M.STRAWSER	02/29/00			
sheet index	revision sheet	AC 1	AC 2	AC 3	AC 4				

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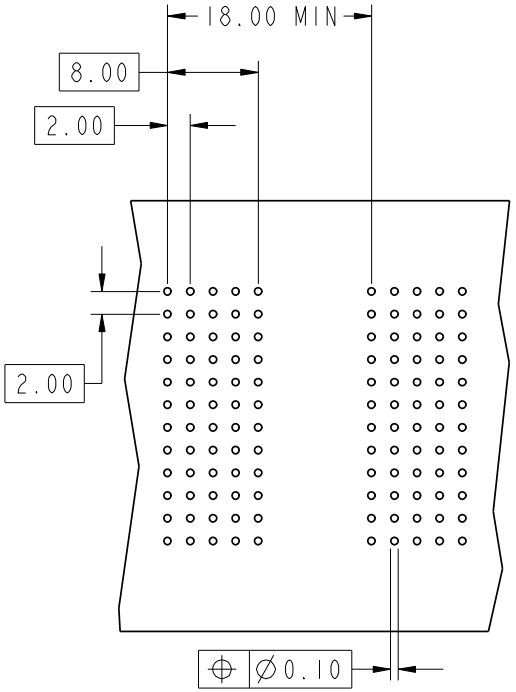
REV E - 2006-04-18



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

KEY (SIGNAL PRESS-FIT)		
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
19	8.00	4.30
20	8.00	13.60
39	8.00	14.10
54	5.00	11.55
55	5.75	11.55
57	7.25	11.55

mat'l code	--	tolerances unless otherwise specified		
		linear	0.X ±0.3	
			0.XX ±0.13	
			.XXX ±.051	
		angles	0° ±2°	
		dr	T.BRUNGARD	11/19/99
		engr	M.STRAWSER	11/19/99
		chr	M.STRAWSER	11/19/99
		appd	M.STRAWSER	02/29/00

ltr	ecn no.	dr	date
AC			

sheet	revision
index	sheet

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projection

MM

scale 3:2

FCI www.fciconnect.com

title: METRAL SIGNAL HEADER
1 MOD, 5 ROW PRESS-FIT

product family: METRAL

code: 213

size: A

dwg no: 88902

sheet: 2

cage code: 22526

STATUS: Released

PDM: Rev:AC

Printed: Jul 01, 2010

Pro/E

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REV E - 2006-04-18

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X01 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	19	19
	D	2	2	2	2	19	19
	C	2	1	2	3	2	2
	B	2	2	2	2	19	19
	A	2	2	2	2	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X02 SEE NOTE 11 FOR LEAD FREE	E	6	6	6	6	20	20
	D	6	6	6	6	20	20
	C	6	5	6	7	6	6
	B	6	6	6	6	20	20
	A	6	6	6	6	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X03 SEE NOTE 11 FOR LEAD FREE	E	5	3	3	3	3	3
	D	5	3	3	3	3	3
	C	5	3	3	3	3	3
	B	5	3	3	3	3	3
	A	5	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X04 SEE NOTE 11 FOR LEAD FREE	E	7	6	6	6	6	6
	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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X05 SEE NOTE 11 FOR LEAD FREE	E	3	3	2	4	4	19
	D	3	3	2	4	4	19
	C	3	3	2	4	4	19
	B	3	3	2	4	4	19
	A	3	3	2	4	4	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X06 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	4	2	2
	D	2	2	2	4	2	2
	C	2	2	2	4	2	2
	B	2	2	2	4	2	2
	A	2	2	2	4	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X07 SEE NOTE 11 FOR LEAD FREE	E	57	55	55	55	55	55
	D	57	55	55	55	55	55
	C	57	55	55	55	55	55
	B	57	55	55	55	55	55
	A	57	55	55	55	54	57

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X08 SEE NOTE 11 FOR LEAD FREE	E	3	2	2	2	2	2
	D	3	2	2	2	2	2
	C	3	2	2	2	2	2
	B	3	2	2	2	2	2
	A	3	1	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X09 SEE NOTE 11 FOR LEAD FREE	E	39	39	39	39	39	39
	D	39	39	39	39	39	39
	C	39	39	39	39	39	39
	B	39	39	39	39	39	39
	A	39	39	39	39	39	39

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X10 SEE NOTE 11 FOR LEAD FREE	E	4	2	2	2	2	2
	D	4	2	2	2	2	2
	C	4	2	2	2	1	4
	B	4	2	2	2	2	2
	A	4	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X11 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	1	2	1
	D	2	2	2	2	2	2
	C	2	2	2	1	2	1
	B	2	2	2	2	2	2
	A	2	2	2	1	2	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X12 SEE NOTE 11 FOR LEAD FREE	E	6	6	6	5	6	5
	D	6	6	6	6	6	6
	C	6	6	6	5	6	5
	B	6	6	6	6	6	6
	A	6	6	6	5	6	5

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X13 SEE NOTE 11 FOR LEAD FREE	E	2	-	2	-	2	-
	D	-	2	-	2	-	2
	C	2	-	2	-	2	-
	B	-	2	-	2	-	2
	A	2	-	2	-	2	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X14 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	19	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X15 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	3	2	4	2	2	4
	B	2	2	2	2	2	2
	A	2	4	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X16 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	3	2
	D	2	2	2	2	2	2
	C	3	2	4	2	2	4
	B	2	2	2	2	2	2
	A	2	4	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X17 SEE NOTE 11 FOR LEAD FREE	E	4	-	2	-	2	-
	D	-	2	-	2	-	2
	C	2	-	4	-	4	-
	B	-	2	-	1	-	2
	A	2	-	1	-	2	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X18 SEE NOTE 11 FOR LEAD FREE	E	2	-	2	-	2	-
	D	-	2	-	2	-	2
	C	2	-	4	-	4	-
	B	-	2	-	2	-	2
	A	2	-	2	-	2	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X19 SEE NOTE 11 FOR LEAD FREE	E	6	6	6	6	6	6
	D	6	6	6	6	6	6
	C	8	6	6	6	6	6
	B	6	6	6	6	20	20
	A	5	6	6	6	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X20 SEE NOTE 11 FOR LEAD FREE	E	6	6	6	6	6	6
	D	6	6	6	6	6	6
	C	6	6	6	6	6	8
	B	20	20	6	6	6	6
	A	20	20	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X21 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	19	2	19	2	2
	A	2	19	2	19	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X22 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	4	2	2	2	2	2
	B	2	2	2	2	19	19
	A	1	2	2	2	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X23 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	19	2	2	2	2	2
	B	1	2	2	2	2	2
	A	19	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X24 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	4
	B	19	19	2	2	2	2
	A	19	19	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X25 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	2	19
	D	2	2	2	2	2	19
	C	2	2	2	2	2	19
	B	2	2	2	2	2	19
	A	2	2	2	2	2	19

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mat'l code	--	tolerances unless otherwise specified		
		linear	0.X ±0.3	
			0.XX ±0.13	
			.XXX ±.051	
		angles	0° ±2°	
		dr	T.BRUNGARD	11/19/99
		engr	M.STRAWSER	11/19/99
		chr	M.STRAWSER	11/19/99
		appd	M.STRAWSER	02/29/00

ltr	ecn no.	dr	date
AC			

sheet index	revision sheet

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projection

MM

scale 1:1

FCI www.fciconnect.com

title: METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT

product family: METRAL | code: 213

size: A | dwg no: 88902 | sheet: 3

cage code: 22526

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X26 SEE NOTE 11 FOR LEAD FREE	E	1	2	2	2	2	1
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	1	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X27 SEE NOTE 11 FOR LEAD FREE	E	5	5	5	1	1	1
	D	5	5	5	1	1	1
	C	5	5	5	1	1	1
	B	5	5	5	1	1	1
	A	5	5	5	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X28 SEE NOTE 11 FOR LEAD FREE	E	19	2	19	2	2	1
	D	2	19	2	19	19	2
	C	19	2	19	2	2	19
	B	2	19	2	19	19	2
	A	19	2	19	2	2	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X29 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	1	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X30 SEE NOTE 11 FOR LEAD FREE	E	2	2	2	1	2	4
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88902-X31 SEE NOTE 11 FOR LEAD FREE	E	4	2	3	3	2	4
	D	4	2	3	3	2	4
	C	4	2	3	3	2	4
	B	4	2	3	3	2	4
	A	4	2	3	3	2	4

⚠AC

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mat'l code				tolerances unless otherwise specified			
ltr	ecn no.	dr	date				
AC				linear	0.X ±0.3		
					0.XX ±0.13		
					.XXX ±.051		
				angles	0° ±2°		
				dr	T.BRUNGARD	11/19/99	
				engr	M.STRAWSER	11/19/99	
				chr	M.STRAWSER	11/19/99	
				appd	M.STRAWSER	02/29/00	

sheet index	revision sheet								

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projection

MM

scale 1:1

www.fciconnect.com

title: METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT

product family: METRAL

size: A | dwg no: 88902 | code: 213 | sheet: 4

cage code: 22526

STATUS: Released

PDM: Rev:AC

Printed: Jul 01, 2010

Pro/E

REV E - 2006-04-18

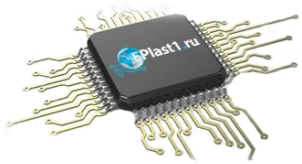
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.