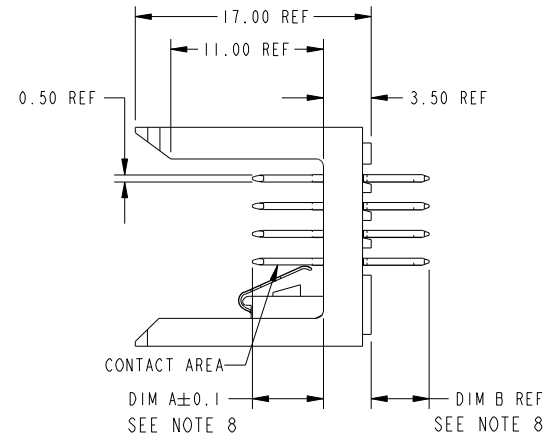
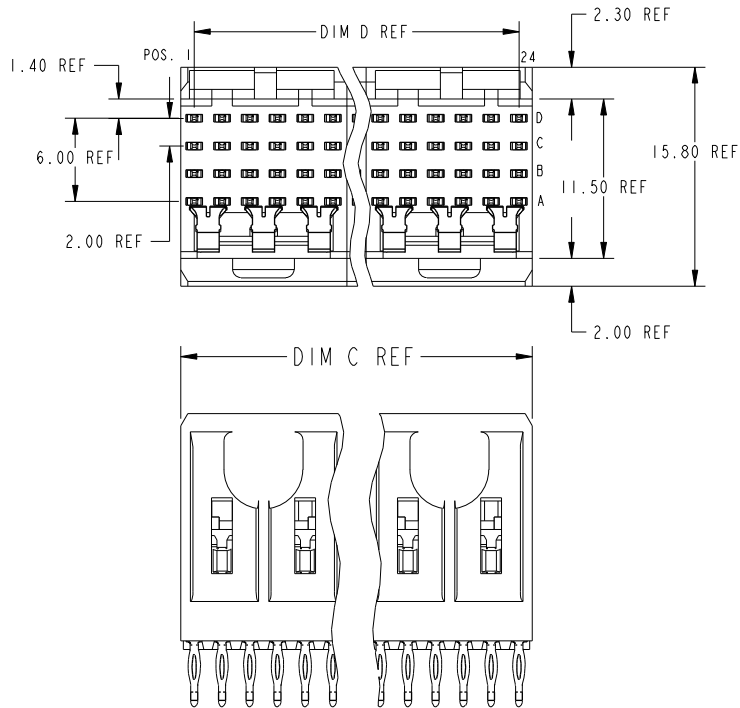




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REV E - 2006-04-18

PRODUCT NUMBER
72013-XXXX



PLATING IN CONTACT AREA	
DASH NUMBER	PERFORMANCE LEVEL
-1YYY	TELCORDIA CO
-8YYY	0.8 um Au
-1YYLFF	TELCORDIA CO
-8YYLFF	0.8 um Au

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
litr	ecr no.	dr	date			COPY		www.fciconnect.com	
R	V06-0544	DCH	2006-06-07	linear	0.X ± 0.3	projection		title	METRAL SIGNAL HEADER
S	DG07-0454	Cenh	11/14/07		0.XX ± 0.13				4 ROW, P.F. w/SHORTING CLIPS
T	DG08-0353	Cenh	2008-12-22	angles	.XXX ± .051			product family	METRAL
-	-	-	-	dr	0° ± 2°	MIM		code	213
M	V03-0038	TAB	02/08/03	enrg	S. ROYER 9-17-96	scale	2:1	size	dwg no
N	V04-0211	DAI	03/01/04	chr	C. PENDLETON 9-17-96				72013
P	V05-0548	VS	07/23/05	appd	S. STONER 9-17-96			sheet	1 of 4
					M. PERHACS 11-28-01				
sheet index	revision sheet	T	T	T	T				
		1	2	3	4				

Pro/E

cage code 22526

PDM: Rev:T

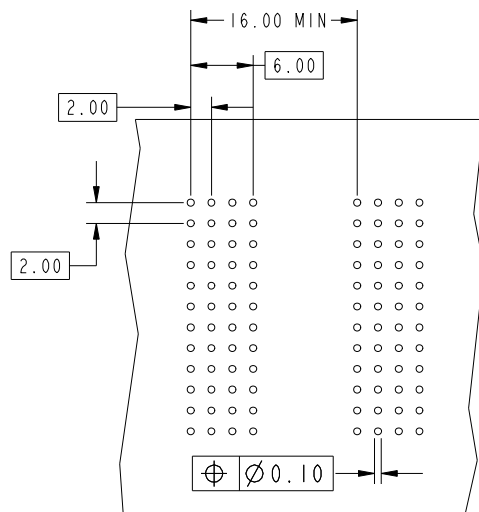
STATUS: Released

Printed: May 16, 2009



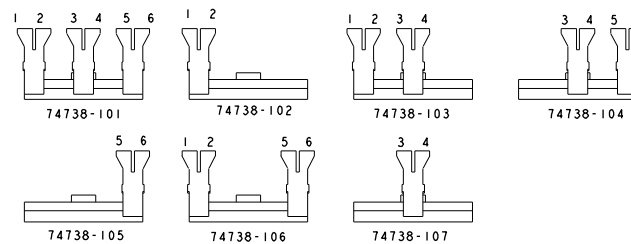
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REV E - 2006-04-18



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION



mat'l code				- -		tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com	
litr	ecn no.	dr	date	linear	0.X ±0.3		projection		title				
T					0.XX ±0.13				METRAL SIGNAL HEADER				
				angles	.XXX ±.051			scale	product family		METRAL	code	
					0° ±2°				size		dwg no	72013	
				dr	S. ROYER	9-17-96	3:2		sheet		2		
				engr	C. PENDLETON	9-17-96			2				
				chr	S. STONER	9-17-96			2				
				appd	M. PERHACS	11-28-01							
sheet index	revision sheet												

Pro/E

PDM: Rev:T

STATUS: Released

Printed: May 16, 2009



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REV E - 2006-04-18

PRODUCT NO.	DIM C	DIM D		1	2	3	4	5	6
72013-X001 SEE NOTE 10 FOR LEAD FREE	11.95	10	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
(NOTE 1) SHORTING CLIP P/N			74738-106						

PRODUCT NO.	DIM C	DIM D		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
72013-X002 SEE NOTE 10 FOR LEAD FREE	47.95	46	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
			C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
			B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
			A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
(NOTE 1) SHORTING CLIP P/N			74738-101						74738-101						74738-101						74738-101						

PRODUCT NO.	DIM C	DIM D		1	2	3	4	5	6	7	8	9	10	11	12
72013-X003 SEE NOTE 10 FOR LEAD FREE	23.95	22	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
(NOTE 1) SHORTING CLIP P/N			74738-101						74738-101						

PRODUCT NO.	DIM C	DIM D		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
72013-X004 SEE NOTE 10 FOR LEAD FREE	47.95	48	D	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	
			B	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	
(NOTE 1) SHORTING CLIP P/N			74738-101						74738-101						74738-101						74738-101						

PRODUCT NO.	DIM C	DIM D		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
72013-X005 SEE NOTE 10 FOR LEAD FREE	95.95	94	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	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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			(NOTE 1) SHORTING CLIP P/N			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101			74738-101		

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI			
litr	ecn no.	dr	date	linear	0.X ±0.3				COPY	www.fciconnect.com			
T					0.XX ±0.13				projection	title METRAL SIGNAL HEADER			
					.XXX ±.051					4 ROW, P.F. w/SHORTING CLIPS			
				angles	0° ±2°					product family METRAL			
				dr	S. ROYER 9-17-96				MIM	size			
				engr	C. PENDLETON 9-17-96					dwg no 72013			
				chr	S. STONER 9-17-96				scale	A			
				appd	M. PERHACS 11-28-01				1:1	sheet 3			
sheet index	revision sheet												

cage code 22526



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REV E - 2006-04-18

PRODUCT NO.	DIM C	DIM D		1	2	3	4	5	6
72013-X006 SEE NOTE 10 FOR LEAD FREE	11.95	10	D	1	1	1	1	1	1
			C	1	1	1	1	1	1
			B	1	1	1	1	1	1
			A	1	1	1	1	1	1
(NOTE 1) SHORTING CLIP P/N			74738-105						

PRODUCT NO.	DIM C	DIM D		1	2	3	4	5	6
72013-X007 SEE NOTE 10 FOR LEAD FREE	11.95	10	D	5	5	5	5	5	5
			C	5	5	5	5	5	5
			B	5	5	5	5	5	5
			A	5	5	5	5	5	5
(NOTE 1) SHORTING CLIP P/N			74738-105						

PRODUCT NO.	DIM C	DIM D		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
72013-X008 SEE NOTE 10 FOR LEAD FREE	47.95	48	D	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	
			B	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	
(NOTE 1) SHORTING CLIP P/N										74738-105																	

PRODUCT NO.	DIM C	DIM D		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
72013-X009 SEE NOTE 10 FOR LEAD FREE	47.95	48	D	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	
			B	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
			A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
(NOTE 1) SHORTING CLIP P/N			74738-105												74738-105												

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 AREA.
72013-XXXX IS SnPb
72013-XXXXLF IS Sn LEAD FREE.
- PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLE
WILL BE PACKAGED IN TUBES. IF TRAY PACKAGING IS REQUIRED A
SUFFIX WILL BE ADDED TO THE END OF THE PART NUMBER.
EXAMPLE XXXXX-XXP OR XXXXX-XXPLF.
- PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL
FOR RELIABLE MAKE - BEFORE BREAK, DIMN A SHOULD BE MINIMUM
OF 6.50 IN ROW "A".
- FOR PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-22-008.
ALL PRODUCT WILL WITHSTAND EXPOSURE TO 260° FOR
60 SECONDS IN A CONVECTION INFRA-RED AND OR VAPOUR PHASE
REFLOW OVEN.
- FOR LF PART NUMBERS ADD AN LF SUFFIX EXAMPLE: 72013-X001LF

mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI		www.fciconnect.com	
litr	ecn no.	dr	date	linear	0.X ±0.3	COPY		title	METRAL SIGNAL HEADER 4 ROW, P.F. w/SHORTING CLIPS	
T					0.XX ±0.13	projection				
					.XXX ±.051					
				angles	0° ±2°			product family	METRAL	
				dr	S. ROYER 9-17-96					
				engr	C. PENDLETON 9-17-96					
				chr	S. STONER 9-17-96	scale	A	size	dwg no	213
				appd	M. PERHACS 11-28-01	1:1				
sheet	revision									
index	sheet									sheet
										4

cage code 22526

Pro/E

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