

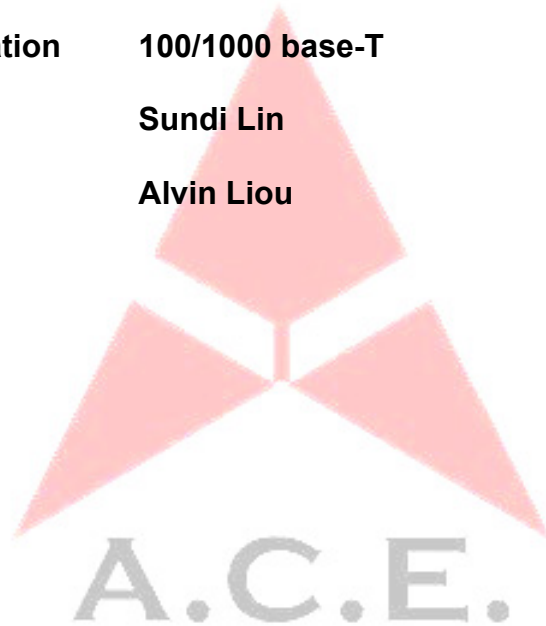


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ArchiCore Electronics CO., LTD



Product Specification

Product name	GL2P1004
Product Type	Dual Ports PTH Transformer Module
System Application	100/1000 base-T
Author	Sundi Lin
Approved By	Alvin Liou



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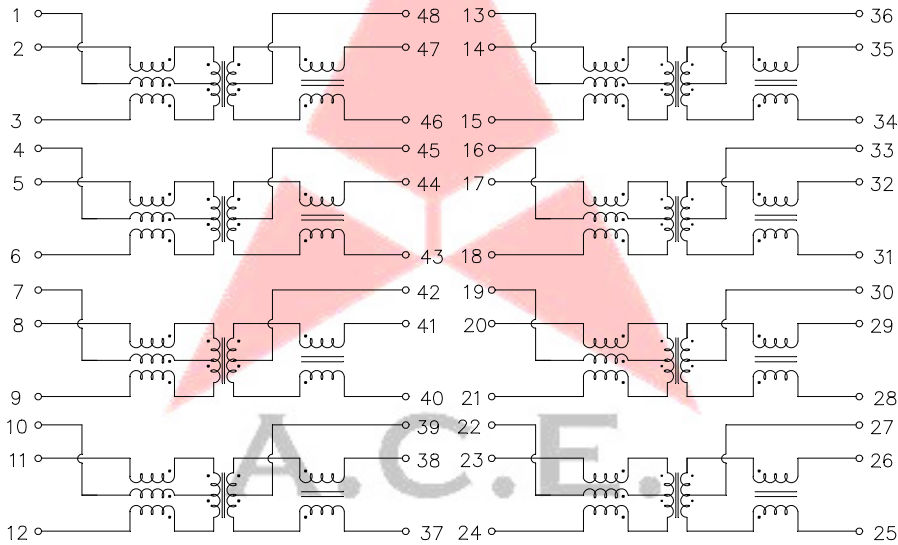


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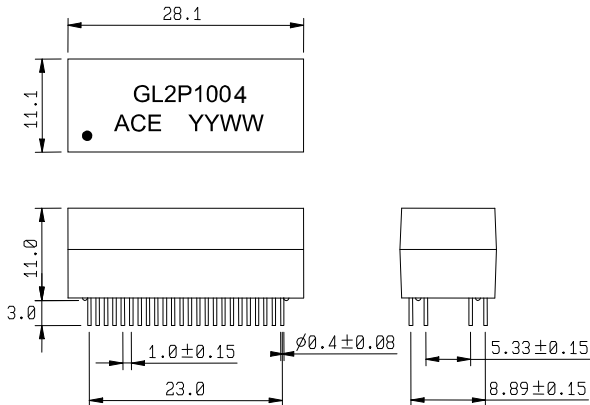
Specifications :@ 25°C, operating temperature 0°C -70°C

1. Turn Ratio	1CT :1CT ± 5%	TX , RX
2. Inductance(with 8mA)	350uH Min.	@100KHz,100mV
3. Insertion Loss	-1.0 dB Max.	@1-100MHz
4. Return loss	-16 dB Min.	@1-30MHz
	-12 dB Min.	@60-80MHz
	-10 dB Min.	@100MHz
5. Cross talk	-40 dB Min.	@30MHz
	-35 dB Min.	@60MHz
	-30 dB Min.	@100MHz
6. Voltage isolation	1500 vrms	
7. DCR	1.2Ω Max.	
8. Leakage Inductance	0.8uH Max.	
9. Cww	45pF max.	

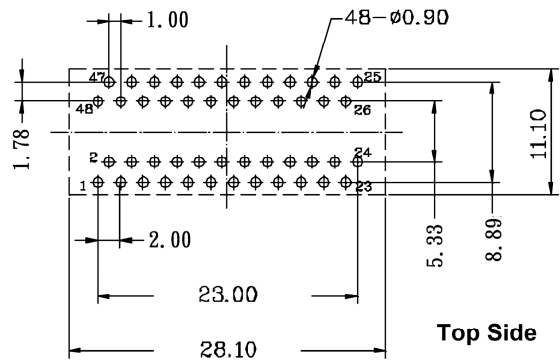
Schematic:



Dimension: +/-0.25 mm



PCB Layout: Top Side





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Revision History:

Rev.	Author	Approved by	Description of change	Issued date
0	Sundi	Alvin	New release	2010/12/06
1	Sundi	Alvin	Modified Schematic 、 Dimension 、 PCB Layout 、 Specifications	2011/06/08

