

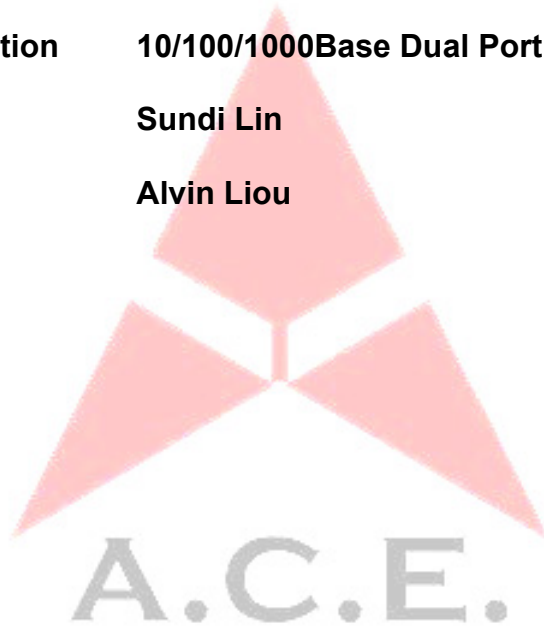


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ArchiCore Electronics CO., LTD



## **Product Specification**

<b>Product name</b>	<b>GL2P1002</b>
<b>Product Type</b>	<b>48pins Magnetic Module</b>
<b>System Application</b>	<b>10/100/1000Base Dual Port</b>
<b>Author</b>	<b>Sundi Lin</b>
<b>Approved By</b>	<b>Alvin Liou</b>



泰華達股份有限公司

**Archicore Electronics CO., LTD**

地址：高雄市前鎮區新衙路 288-6 號 7F-1(運通大樓 C 棟)

**Address: 7F-1, No. 288-6, Xinya 1 Rd., Chianjen District,  
Kaohsiung City, 806, Taiwan**

**Tel: +886-7-970-3268      FAX: +886-7-841-1851**

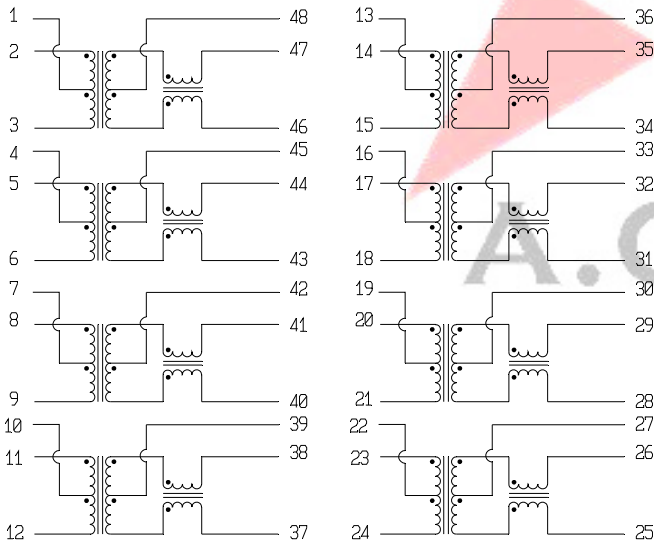


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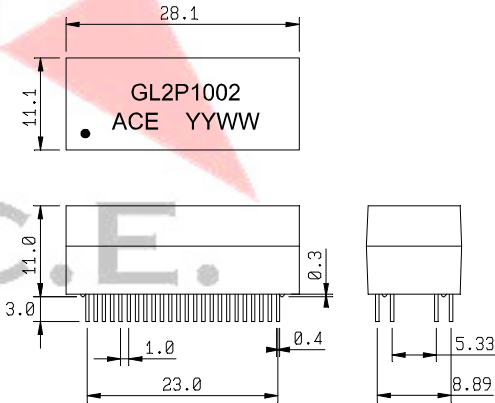
**Specifications** :@ 25<sup>0</sup>C, operating temperature 0<sup>0</sup>C -70<sup>0</sup>C

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	-18 dB Min.	@1-30MHz
	-14.4 dB Min.	@40MHz
	-13.1 dB Min.	@50MHz
	-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. Leakage Inductance	1.0uH Max .	
8. Cww	30pF Max.	
9. DCR	1.2ohm Max.	

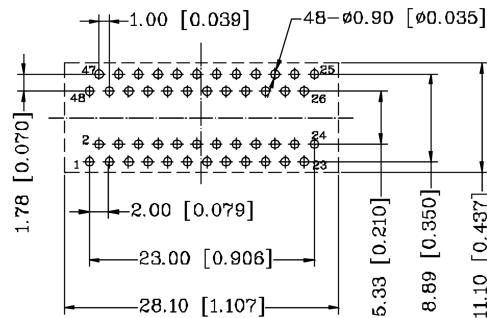
**Schematic:**



**Dimension: +/-0.25 mm**



**PCB Layout: +/-0.25 mm**





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**Revision History:**

Rev.	Author	Approved by	Description of change	Issued date
0	Timmy	Sundi	New release	2010/06/21
1	Sundi	Alvin	Modified Specifications	2011/03/09

