

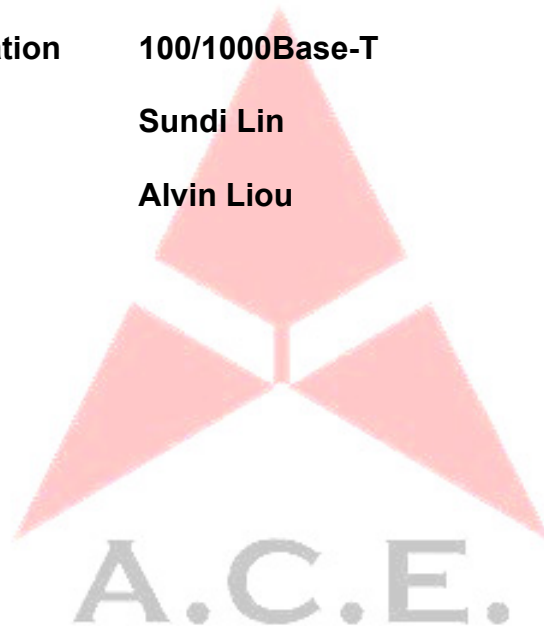


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ArchiCore Electronics CO., LTD



## Product Specification

<b>Product name</b>	<b>GL5P1001</b>
<b>Product Type</b>	<b>Penta Ports PTH Transformer Module</b>
<b>System Application</b>	<b>100/1000Base-T</b>
<b>Author</b>	<b>Sundi Lin</b>
<b>Approved By</b>	<b>Alvin Liou</b>



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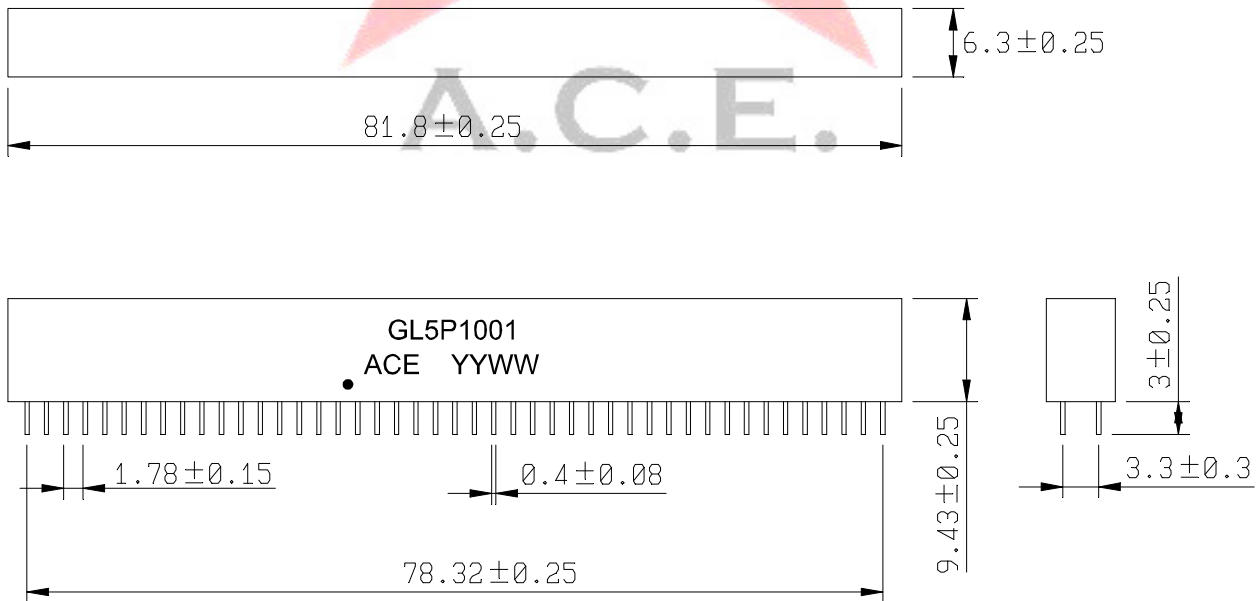


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**Specifications** :@ 25<sup>0</sup>C, operating temperature 0<sup>0</sup>C -70<sup>0</sup>C

1. Turn Ratio	1CT :1CT ± 5%	TX , RX
2. Inductance(with 8mA)	350uH Min.	@100KHz,100mV
3. DCR	1.2ohm Max.	
4. Interwinding Cap.	130pF Max.	
5. Insertion Loss	-1.0 dB Max.	@1-100MHz
6. 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
7. Cross talk	-40 dB Min.	@30MHz
	-35 dB Min.	@60MHz
	-30 dB Min.	@100MHz
8. Different CMR	-40 dB Min.	@30MHz
	-35 dB Min.	@60MHz
	-30 dB Min.	@100MHz
9. Voltage isolation	1500 vrms	

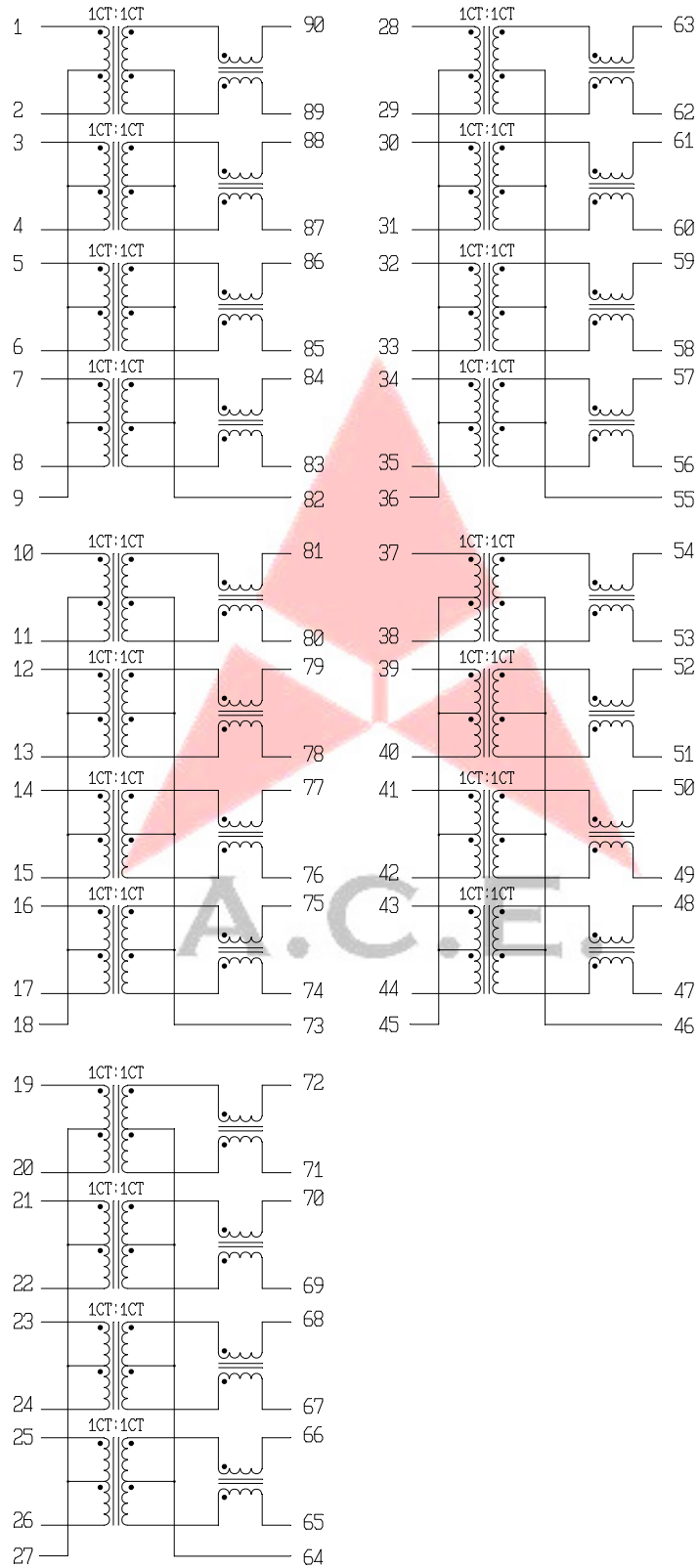
**Dimension:** unit: mm





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**Schematic:**





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**Revision History:**

Rev.	Author	Approved by	Description of change	Issued date
0	Sundi	Alvin	New release	2011/06/15

