



A.C.E. 泰華達股份有限公司
ArchiCore Electronics CO., LTD



Product Specification

| | |
|---------------------------|--|
| Product name | GL4P1006 |
| Product Type | 100/1000BASE-T Quad Magnetic Module |
| System Application | 72 pins Magnetic Module |
| Author | Sundi Lin |
| Approved By | Alvin Liou |

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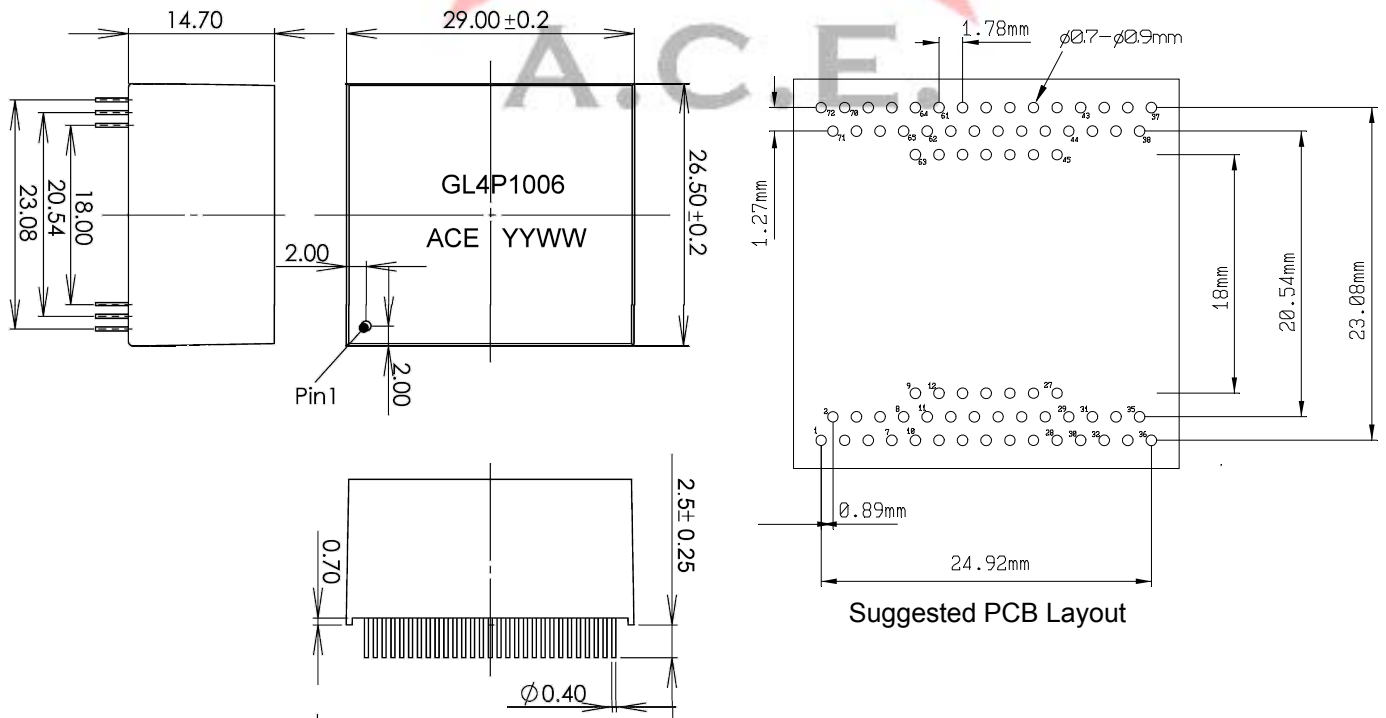
Specifications :@ 25⁰C, operating temperature 0⁰C -70⁰C

- | | | |
|-----------------------|---------------|------------------------------|
| 1. Inductance(note1) | 350uH Min. | @100KHz,100mV, |
| 2.Turn Ratio | 1CT :1CT ± 5% | Pin(1-2) : (72-71) each wire |
| 3. Insertion Loss | -1.1 dB Max. | @1-100MHz |
| 4. Return loss | -16 dB Min. | @1-30MHz |
| | -12 dB Min. | @60MHz |
| | -11 dB Min. | @80MHz |
| | -9 dB Min. | @100MHz |
| 5. Cross talk | -43.5 dB Min. | @30MHz |
| | -37.5 dB Min. | @60MHz |
| | -33 dB Min. | @100MHz |
| 6.CMRR | -40 dB Min. | @30MHz |
| | -35 dB Min. | @60MHz |
| | -30 dB Min. | @100MHz |
| 7. Voltage isolation | 1500 vrms | |

Note 1 : measured at 8mA_{dc} over operating temperature 0⁰C -70⁰C

Note 2: Above specification only for one port.

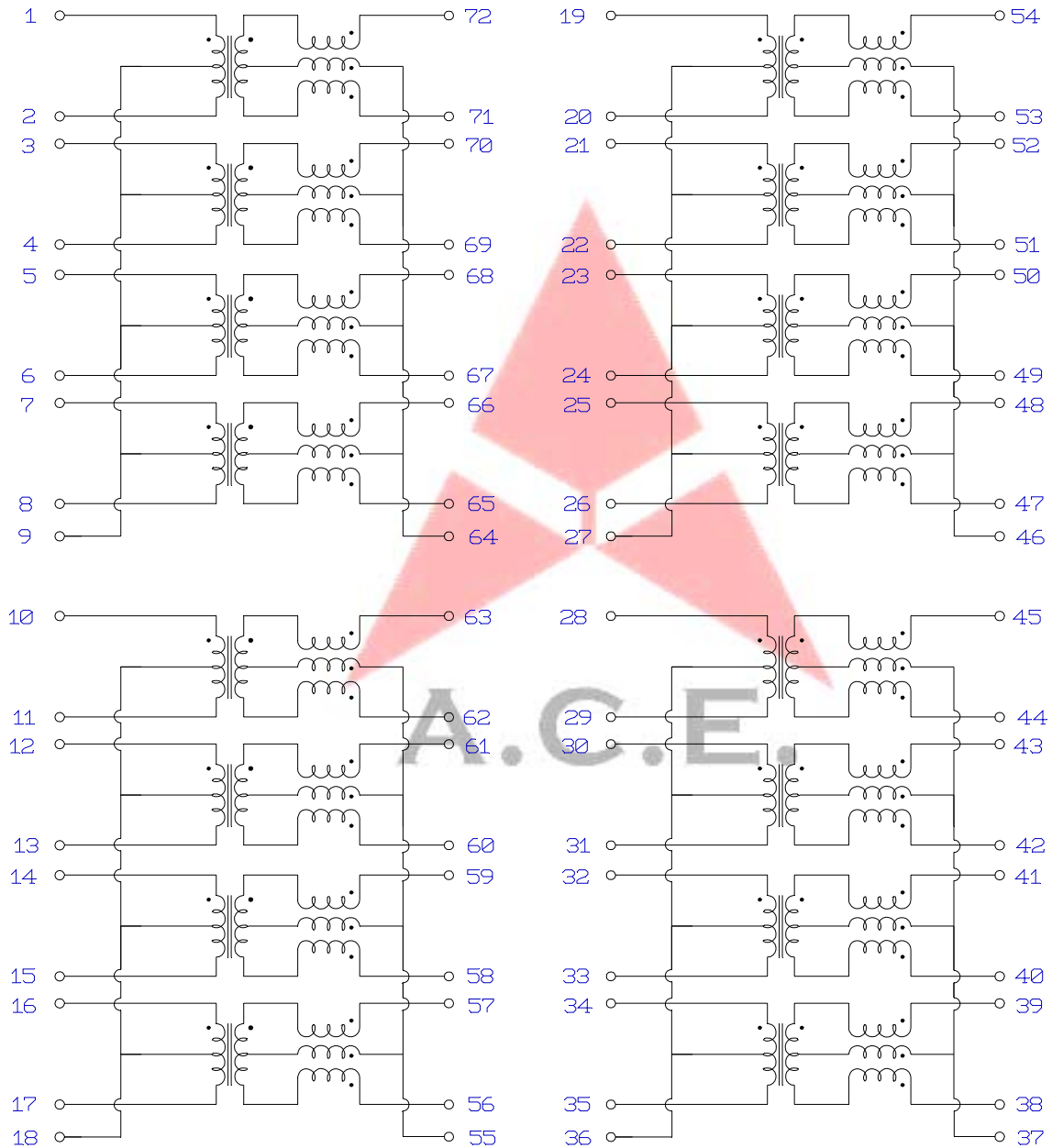
Mechanical: ± 0.25mm





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Schematic:





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Revision History:

| Rev. | Author | Approved by | Description of change | Issued date |
|------|--------|-------------|-----------------------|-------------|
| 0 | Cathy | Sundi | New release | 01/10/2009 |
| 1 | Timmy | Sundi | Modified dimension | 10/08/2010 |
| 2 | Sundi | Alvin | Modified dimension | 2011/01/04 |
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