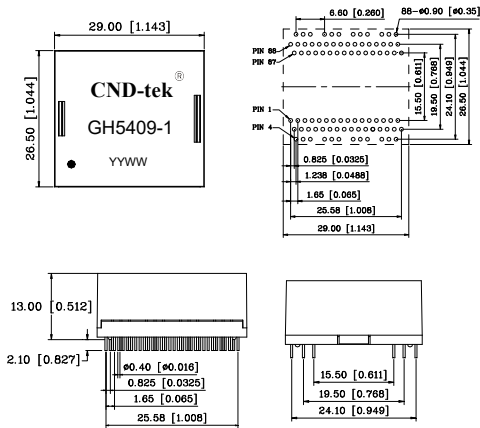


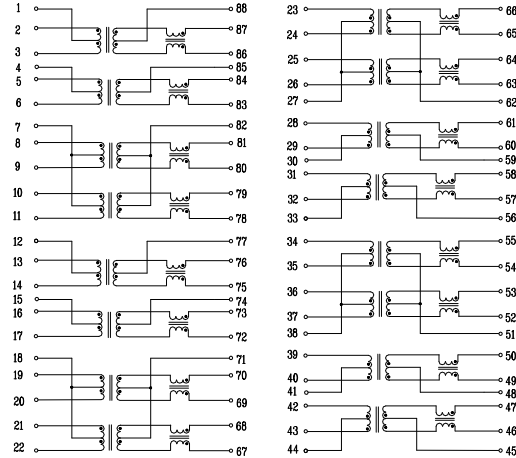
1. Designed for long haul 1000M Quad Port Transformer Module
2. Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process
3. Supports 16 pairs of category 5 UTP cable.
4. Cable interface for isolation and low common mode emissions.
5. Compliant with IEEE 802.3af standard for 1000M Base-Z, Designed to support 1:1 Turns Ratio Transceivers.
6. DC Line Current : 720mA Max @ 57V.
7. Operating Temperature : -40°C to +85°C
8. Storage Temperature : -40°C to +125°C



## DIMENSIONS & SCHEMATICS



Red : PoE Function  
Blue : Center Tap

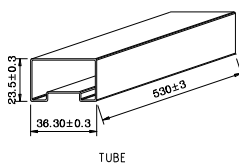


**Note:** 1. Dimension: mm/inch;  
2. Unless otherwise specified, tolerances are:  $\pm 0.25\text{mm}$ ;

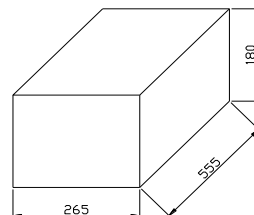
## TECHNICAL SPECIFICATIONS

|                           |                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|
| OCL :                     | 350 $\mu\text{H}$ Min @ 100 KHz, 0.1V with 8mA DC Bias                                                              |
| Leakage Inductance:       | 0.5 $\mu\text{H}$ Max @ 100KHz, 0.1V                                                                                |
| Cw/w:                     | 28pF Max @ 100KHz, 0.1V                                                                                             |
| DCR:                      | 1.00 $\Omega$ Max                                                                                                   |
| Turns Ratio( $\pm 5\%$ ): | 1CT:1(TX), 1CT:1(RX)                                                                                                |
| Insertion Loss:           | -1.0 dB Max @ 1-100 MHz                                                                                             |
| Return Loss:              | -18dB Min @ 1-30MHz<br>-16 dB Min @ 40MHz<br>-14.08dB Min @ 50MHz<br>-12.5dB Min @ 60-80MHz<br>-10.0dB Min @ 100MHz |
| Cross Talk:               | -40 dB Min @ 30MHz<br>-35 dB Min @ 60MHz<br>-30 dB Min @ 100MHz                                                     |
| Common Mode Rejection :   | -43 dB Min @ 30MHz<br>-37dB Min @ 60MHz<br>-33 dB Min @ 100MHz                                                      |
| Isolation HI-POT:         | 1500Vrms 1mA 1Second                                                                                                |

## PACKING SPECIFICATION



TUBE



1. units/reel: 17PCS
2. reel/carton: 204PCS
3. units/carton : 408PCS