

LAN COMPONENTS

1000 Base-T Dual port LAN Transformer Module

MODEL NO:GT5011SG



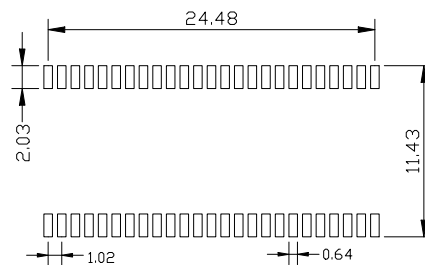
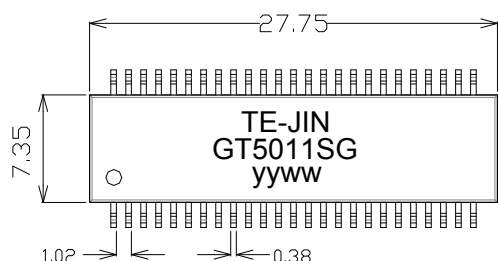
Feature:

Designed for Gigabit Ethernet 100/1000Base-TX,full duplex applications
 Supports 8 pairs of category 5 UTP cable
 Meets all IEEE802.3at for 720mA Current capability
 Primary inductance(Lp):350 μ H Min (100KHz ,100mV ,8mA)
 SMD Environmental: Designed to meet IR 260 $^{\circ}$ C peak.
 Storage Temperature range: -40 $^{\circ}$ C To +85 $^{\circ}$ C
 HI-POT:1500Vrms 1mA

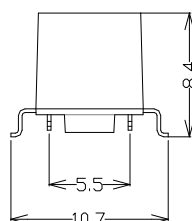
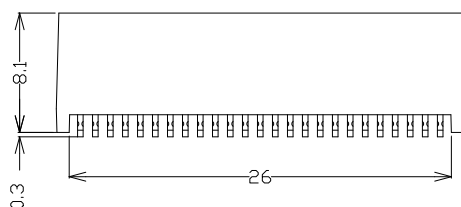
Electrical Specifications at 25 $^{\circ}$ C — Operating Temprange: 0 $^{\circ}$ C To +70 $^{\circ}$ C

Part Number	Transformer Turns ratio ($\pm 3\%$) Receive Transmit	Insertion Loss (dB TYP) 1-100MHz	Crosstalk (dB TYP) 30/60/100(MHz)	Return loss (dB TYP) 1-30/40/50/60/80(MHz)	CMR (dB TYP) 1~100(MHz)
GT5011SG	1:1 1CT:1CT	-1.1	-35/-30.8/-28	-16/-16/-14.1/-12.5/-10	-40

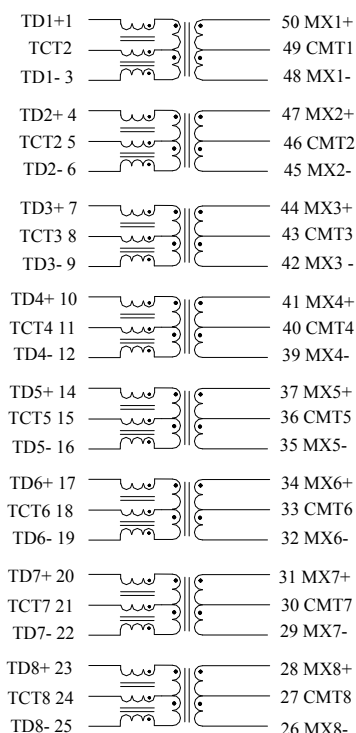
Dimension: mm



Suggested PAD layout



Schematics:



Data sheet subject to change without notice

Unless otherwise specified, all tolerance are ± 0.25 mm

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