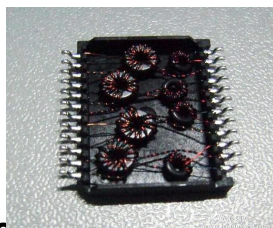


100/1000BASE-TX TRANSFORMER MODULES

Part NO:H82412S



Features:



- Designed for Ethernet 100/1000 BASE-T.
- Supports 8 pairs of category 5 UTP cable.
- Conforms to ANSI/J-STD-002, 245°C reflow peak temperature per IPC/EIA J-STD-003A.
- Compliant with IEEE 802.3af standard for 1000 BASE-T.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -55°C to +125°C.

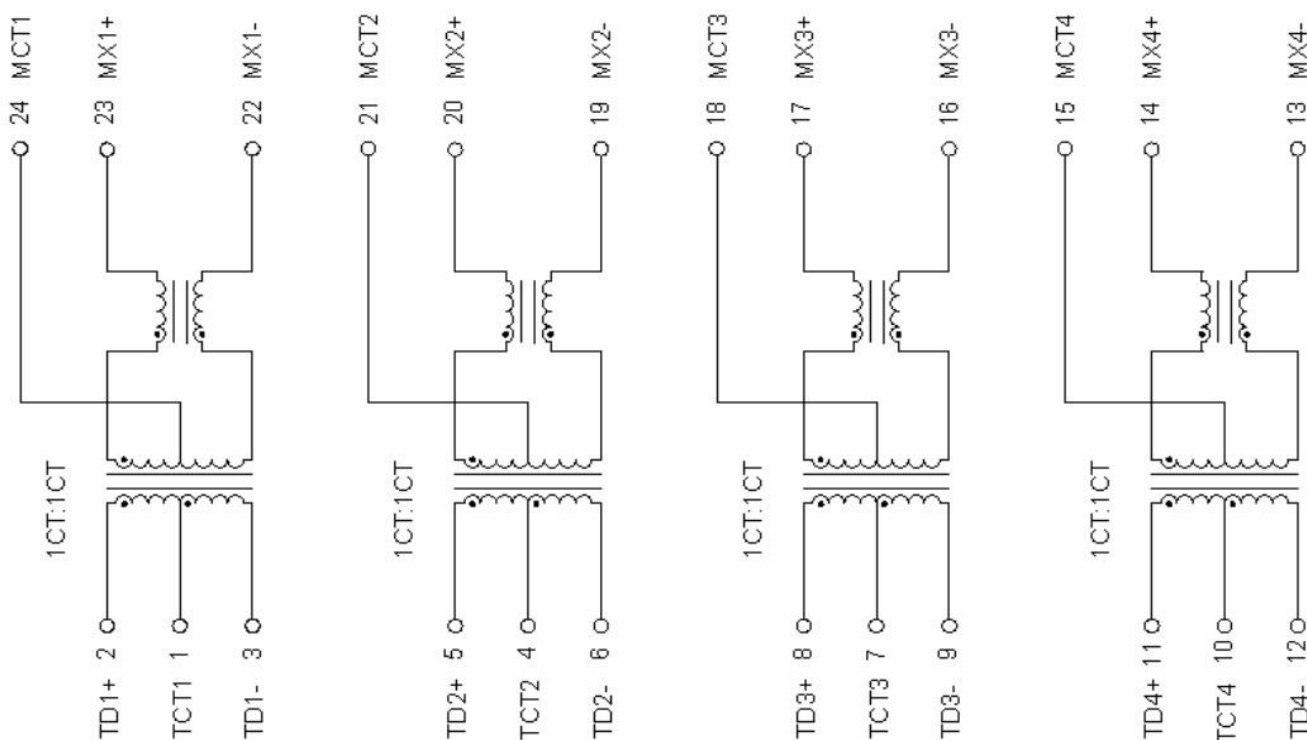
Specifications

Specifications

Electrical Specification@25° C Operating Temperature 0℃ to +70℃								
Part NO	Trun Ratio(±2%)		OCL primary@100KHz 0.1Vms 8MA	Leakage primary@10 KHz 0.1Vms	Cww(Pri:Sec)	DCR(Ω)		
	TX	RX				Primary	Secondary	
H82412S	1CT:1CT	1CT:1CT	350uH Min	0.5uH max	35PF	0.9Max	0.9Max	

Electrical Specification@25° C Operating Temperature 0℃ to +70℃									
Part NO	Insertion loss(dB max) 1-100MHz	Return Loss(db min)MHz				CMRR(dB min)MHz		Crosstalk(dB min)MHz	Isolation Voltage(Vrms min)
		1-30	40	50	60-100	1-60	60-100		
H82412S	-1.2	-18	-14.4	-13	-12	-40	-35	-40	1500

Schematic



Mechanical:

