

100/1000BASE-TX TRANSFORMER MODULES
Part NO:HX82427SP



Features:

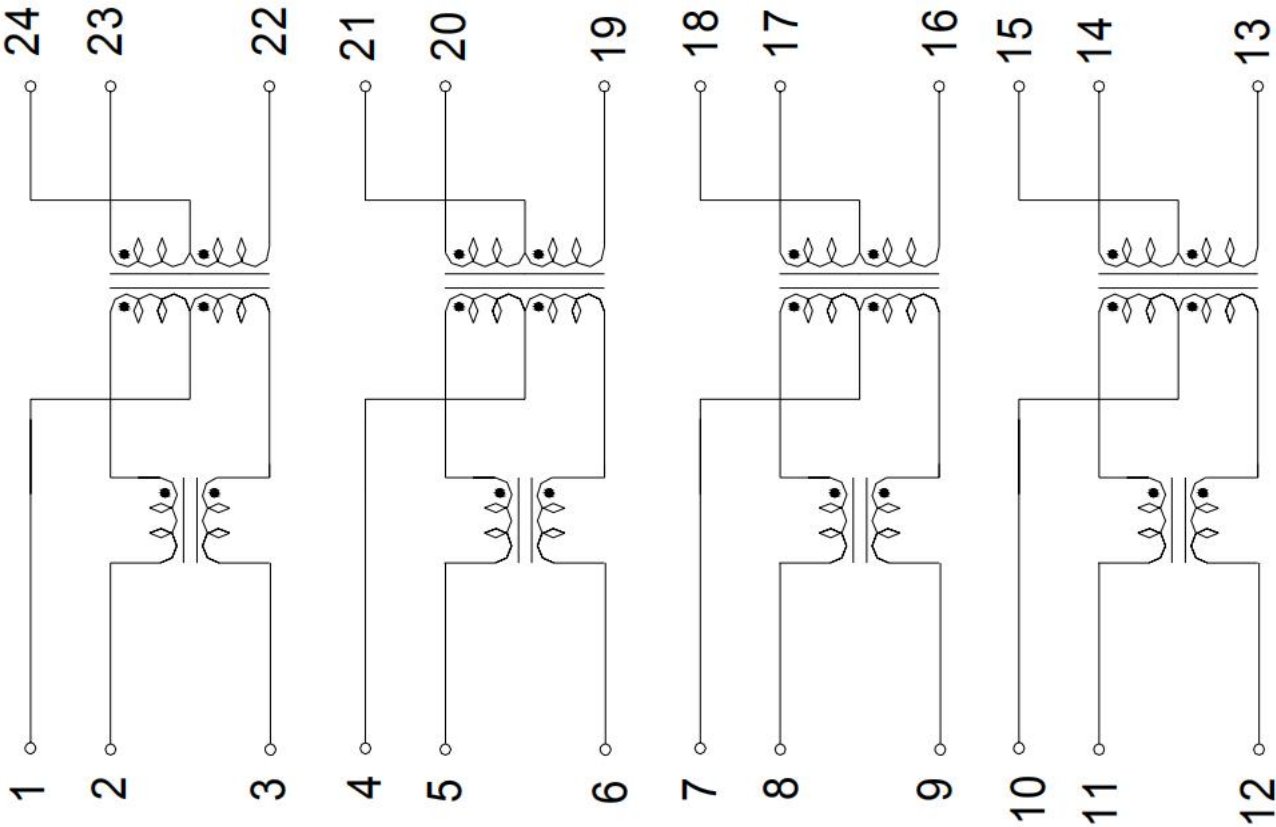


- Designed for Ethernet 100/1000 BASE-T.Compliance with ROHS requirements
- Supports 8 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Compliant with IEEE 802.3 at standard for 1000 BASE-T.
- Suitable for End-span POE applications with 750+mA current capability
- Operating temperature range: : -40~+85℃.
- Storage temperature range: -50℃ to +120℃.

Specifications

Electrical Specification@25°C Operating Temperature -40~+85°C									
Part NO	Trun Ratio(±2%)		OCL primary@100K Hz 0.1Vms 15mA	Leakage primary@10K Hz 0.1Vms	Cww(Pri:Sec)	DCR(Ω)			
	TX	RX				Primary	Secondary		
HX82427SP	1CT:1CT	1CT:1CT	350uH Min	0.5uH max	35PF	1.0Max	1.2Max		
Electrical Specification@25°C Operating Temperature -40~+85°C									
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		
HX82427SP	-1.2	-18	-16	-13	-10	-40	-35	-40	1500

Schematic

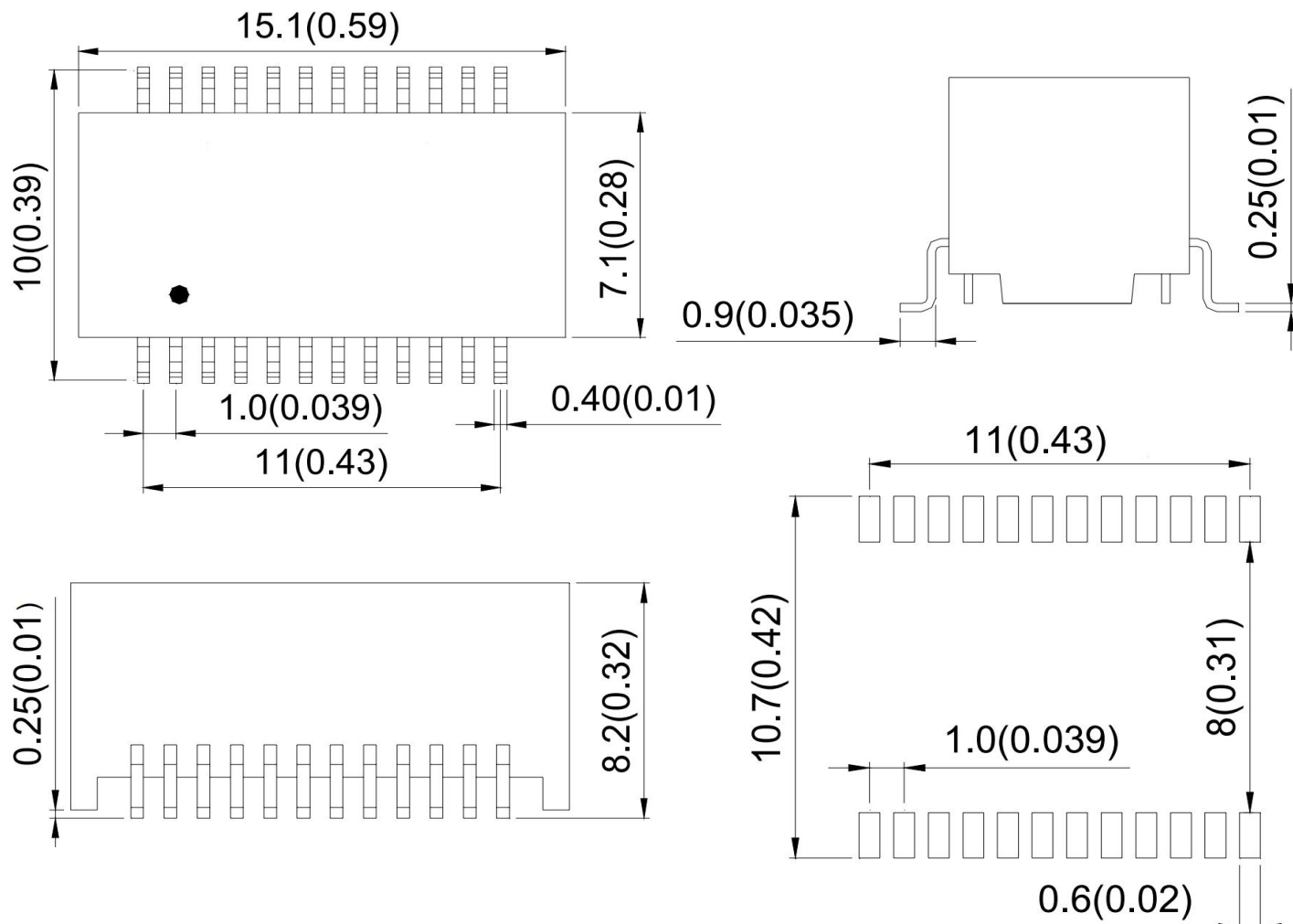


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Mechanical:



IR reflow profile

SUGGESTED PAD LAYOUT

