

Part N0:H84808S



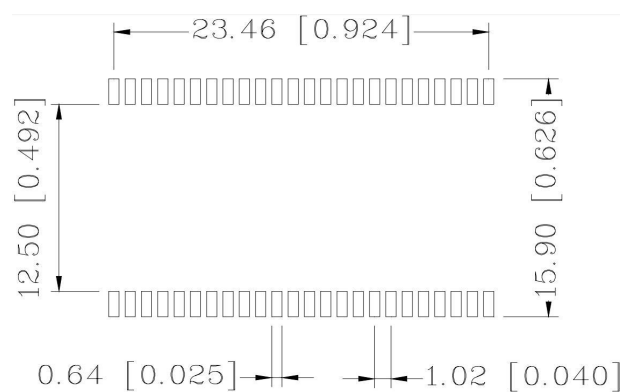
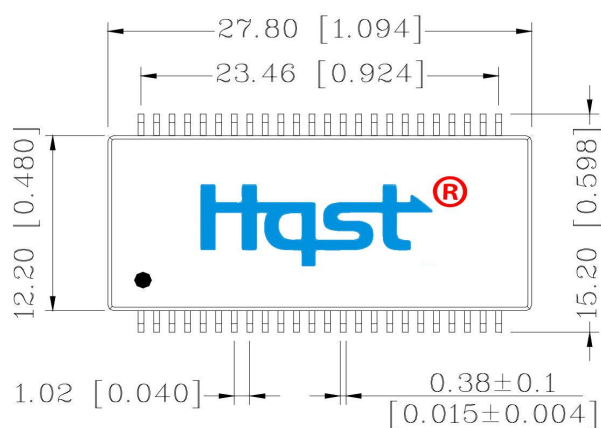
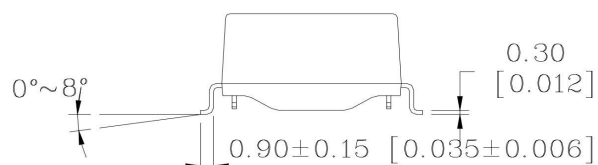
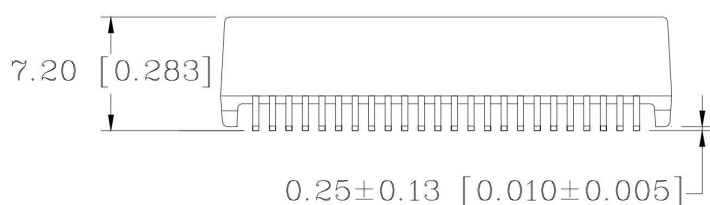
- Designed for Ethernet 100/1000 BASE-T, full duplex applications.
- Supports 8 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Compliant with IEEE 802.3AT standard for 1000 BASE-T.
- Compliance with ROHS requirements
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +85°C.

Electrical Specification@25° C Operating Temperature 0 to +70° C									
Part NO	Trun Ratio(±3%)		OCL primary@100KH z 0.1Vms 8MA	Leakage primary@10KHz 0.1Vms	Cww(Pri:Sec)	DCR(Ω)			
	TX	RX				Primary	Secondary		
H84808S	1CT:1CT	1CT:1CT	350uH Min	0.5uH max	35PF	0.9Max	1.2Max		
Electrical Specification@25° C Operating Temperature 0 to +70° C									
Part NO	Insertion loss(dB max) 1-100MHz	Return Loss(db min)MHz				CMRR(dB min)MHz		Crosstalk(dB min)MHz	Isolation Voltage(Vr ms min)
		1-30	40	50	60-80	1-60	60-100		
H84808S	-1.0	-18	-14.4	-13.1	-12	-40	-35	-40	1500

Figure 1 illustrates the schematic diagram of a three-phase transformer. The transformer consists of three magnetic cores, each with two windings. The primary windings are labeled TCT1 through TCT4 and TD1 through TD4, connected to a 230-kV bus. The secondary windings are labeled MCT1 through MCT4 and MX1 through MX4, connected to a 230-kV bus. The transformer is rated at 100 MVA, 230/230 kV, 50 Hz, and has a 100% tap range.

100/1000BASE-TX TRANSFORMER MODULES

Part NO:H84808S



SUGGESTED PAD LAYOUT

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