

1000BASE-T MAGNETICS MODULES

Designed to Support 1:1 Turns Ratio Transceivers

Features:



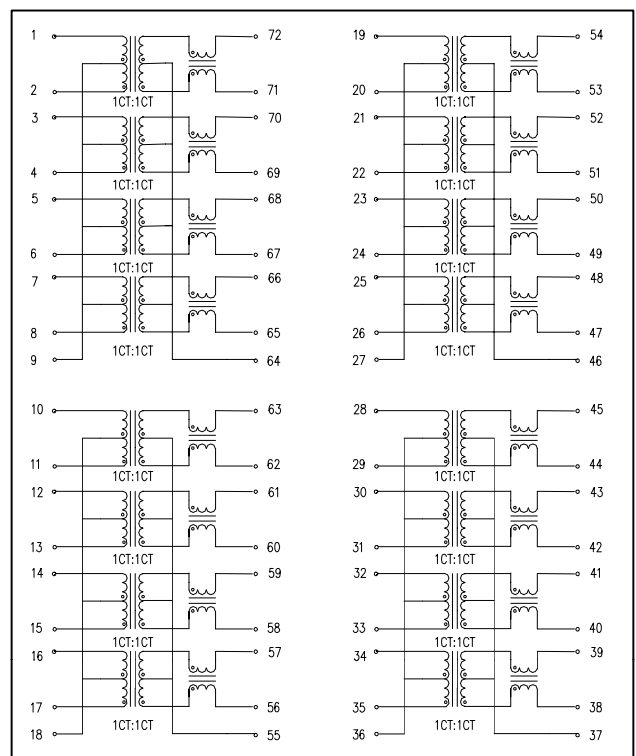
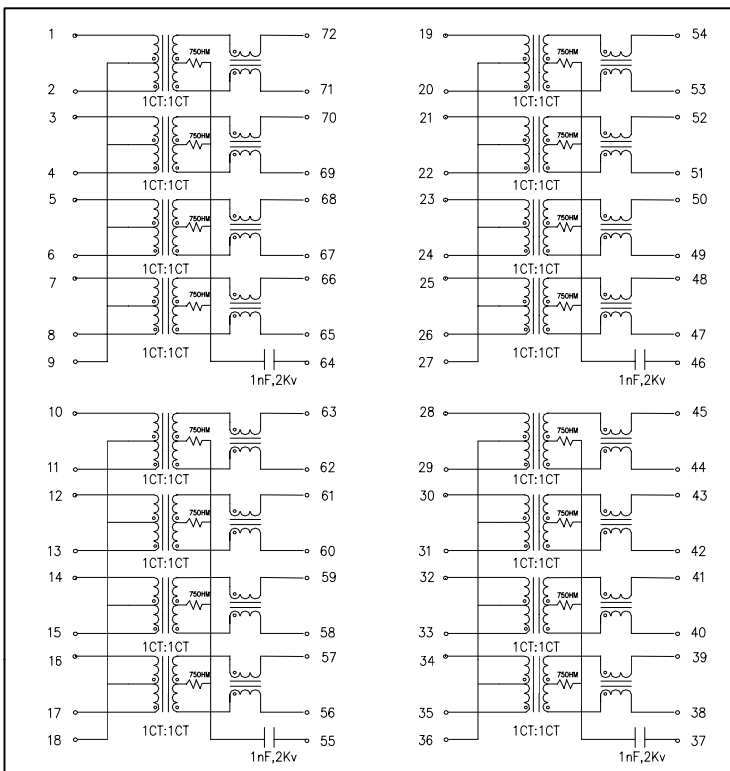
- Designed for long haul Gigabit Ethernet 100/1000Base-T, full Quad channels applications.
- Supports 16 pairs of category 5 UTP cable
- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.3ab standard for 1000Base-T
- For RoHS part Number add suffix "R"¹
- Storage temperature -25°C to +125°C.
- RoHS compliance.

Specifications: at 25 degree.		Operating Temperature 0°C to 70°C				
Part No.	Turns Ratio ±2%	OCL (uH min) 100KHz 0.1V@ 8mA DC	L.L (uH max)	Cw/w (pF max)	DCR (Ω max)	primary pin/ secondary pin
	pri to sec					
HST-72001DR	1CT:1CT	350	0.5	120	1.4	pin 1-36 / pin 37-72
HST-72002DR	1CT:1CT	350	0.5	120	1.4	pin 1-36 / pin 37-72

Part No.	Insertion Loss (dB MAX)	Return Loss (dB MIN @Load 100Ω)					Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hi-pot 1mA
		1-100 MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	
HST-72001DR	-1.0	-18	-14.4	-13.1	-12	-10	-40	-35	-30	-40	-35	-30	1500VAC/1mA/60S
HST-72002DR	-1.0	-18	-14.4	-13.1	-12	-10	-40	-35	-30	-40	-35	-30	1500VAC/1mA/60S

Schematic:HST-72001DR

Schematic:HST-72002DR



HST-72001DR/HST-72002DR

Dimension:mm(inch)Unless otherwise specified , all tolerance are +/-0.25(0.01)

Unit: mm

