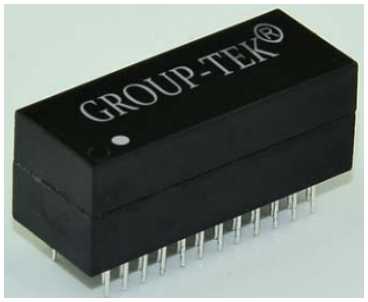
1000BASE-TX MAGNETICS MODULES



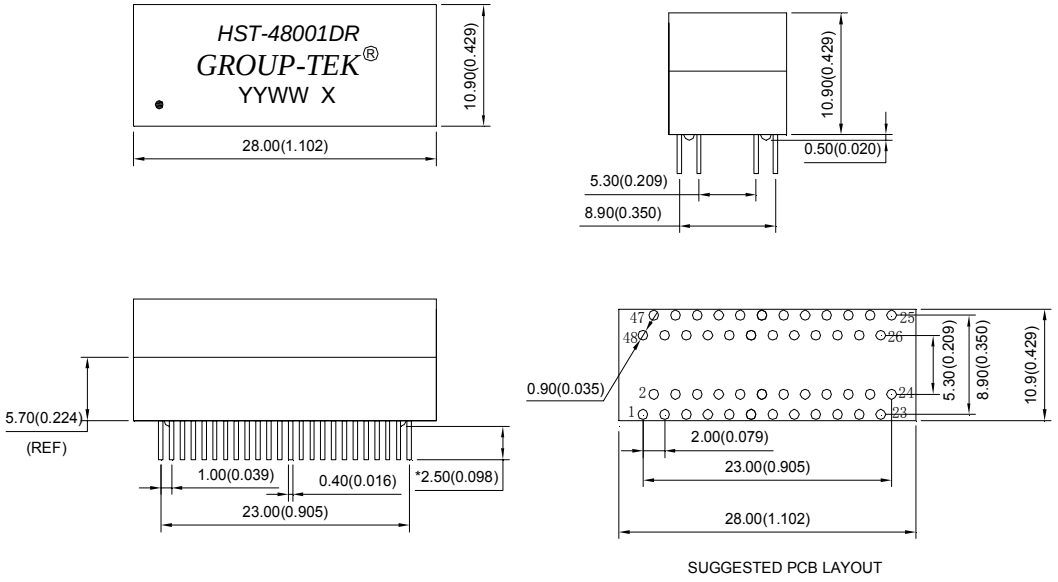
Features：

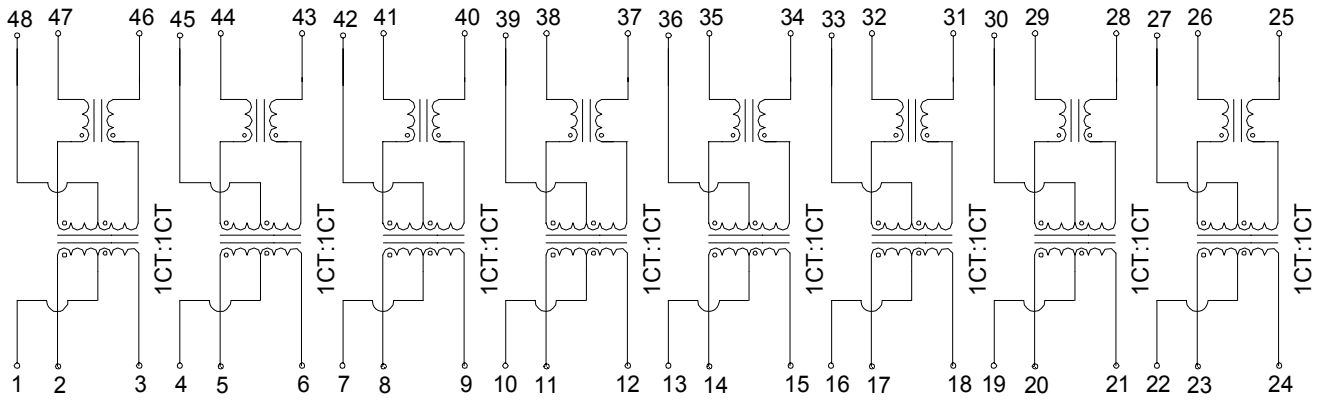
- Compliant with IEEE 802.3ab standard for 1000Base-T.
- Non-PoE Product.
- Primary inductance(Lp)350uH min.@ 100KHz,0.1Vrms,8mA .
- LL:0.5uH Max @100KHz, 0.1V
- Cww:30pF Max@100KHz, 0.1V
- Primary DCR:0.9ΩMax;Secondary DCR:1.2ΩMax.
- Storeage Temperature -25℃ to +125℃.
- RoHS compliant.

Electrical Specification@25℃ Operating Temperature 0 to +70℃

Part NO	Insertion Loss (dB MAX)	Return Loss (dB MIN @ 100Ω)					Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hipot (Vrms MIN)
	1-100 MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz	
HST-48001DR	-1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33	-40	-35	-30	1500VAC/1mA/60S

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



SUGGESTED PCB LAYOUT

Schematic: