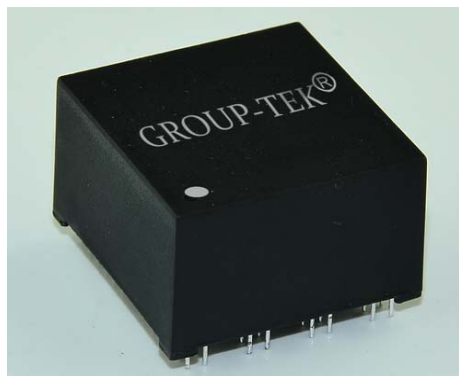


1000BASE-T QUAD MAGNETICS MODULES

Features:



- Designed for long haul Gigabit Ethernet 100/1000Base-T, full Quad channels applications.
- LL:0.5uH Max @100KHz, 0.1V
- Cww:50pF Max@100KHz, 0.1V
- Primary DCR:0.9ΩMax;Secondary DCR:1.2ΩMax.
- Supports Auto MDIX in 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
- Storage Temperature -25°C to +125°C.
- RoHS compliance

P/N	HST-96205DR		
Parameter	Specifications at 25°C. Operating Temperature 0°C to 70°C		
Insertion Loss	1MHz-100MHz		
	-1.0 dB MAX		
Return Loss	1MHz~40MHz	40MHz~80MHz	80MHz~100MHz
	-18dB	-12dB	-10dB
Inductance (OCL) (Cable Side, 0°C-70°C)	350 uH MIN (Measured at 100kHz, 100mVRMS and with 8 mA DC BIAS)		
Turn Ratio	1CT:1CT+/-2% @ 100kHz, 0.1V		
Crosstalk	1MHz~30MHz	30MHz~60MHz	60MHz~100MHz
	-40dB	-35dB	-30dB
Differential to Common Mode Rejection Ratio	30MHz~60MHz		60MHz~100MHz
	-40dB MIN		-35dB MIN
Input - Output Isolation	1500VAC, 50Hz, @ 60 Seconds		

10/100/1000BASE-T QUAD MAGNETICS MODULES

P/N

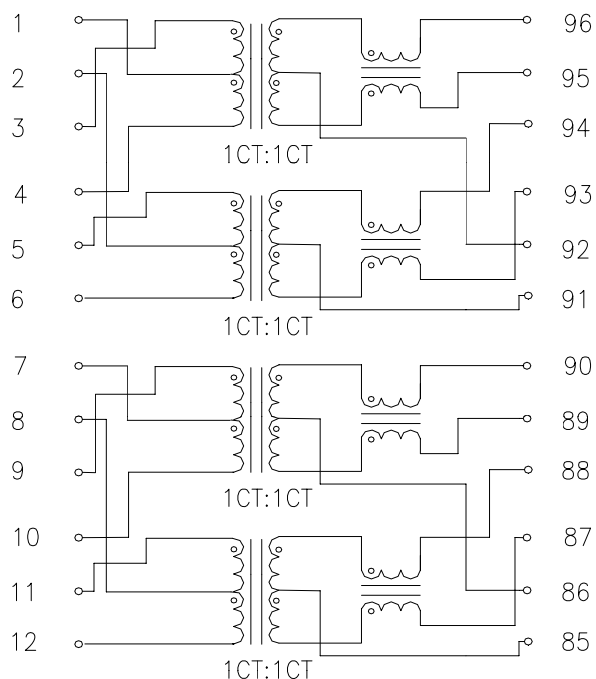
HST-96205DR

Schematic

Chip Side

RJ45 Side

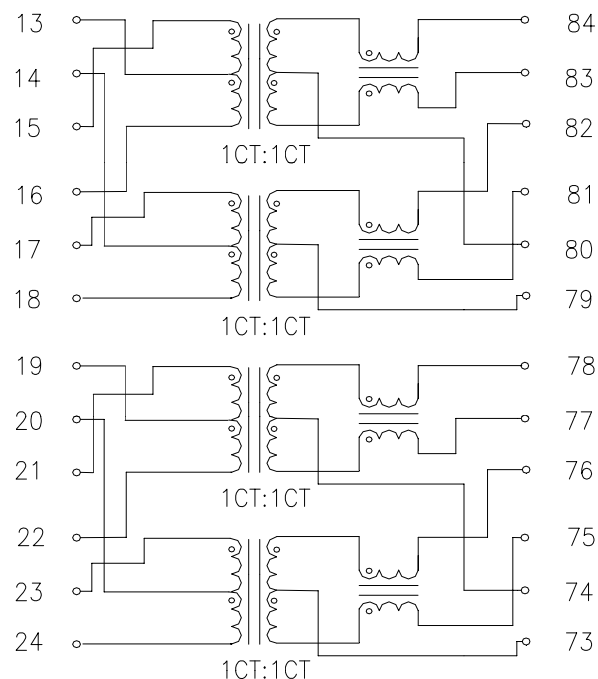
Port 1



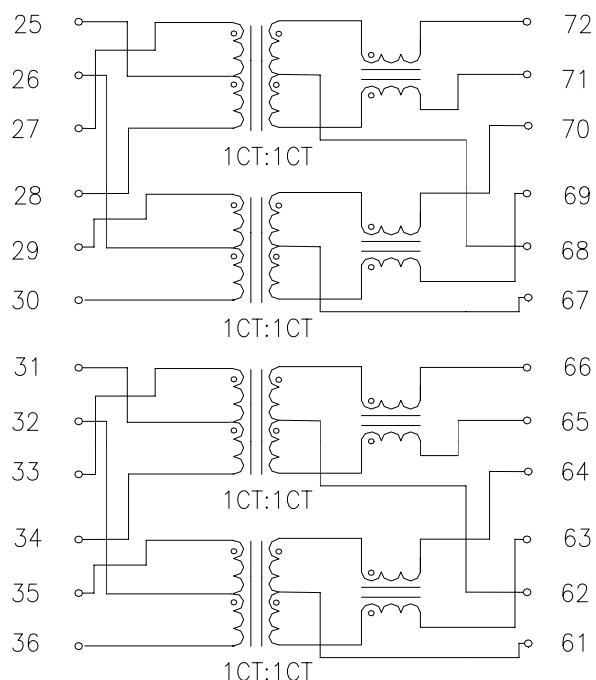
Chip Side

RJ45 Side

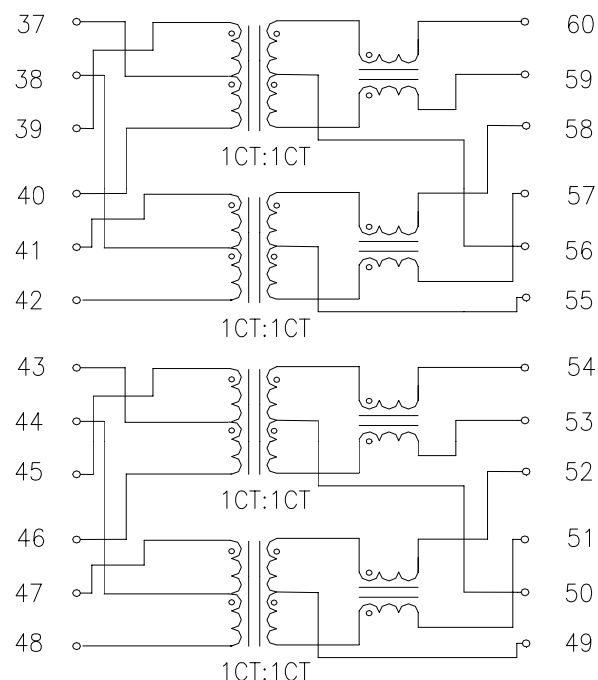
Port 2



Port 3

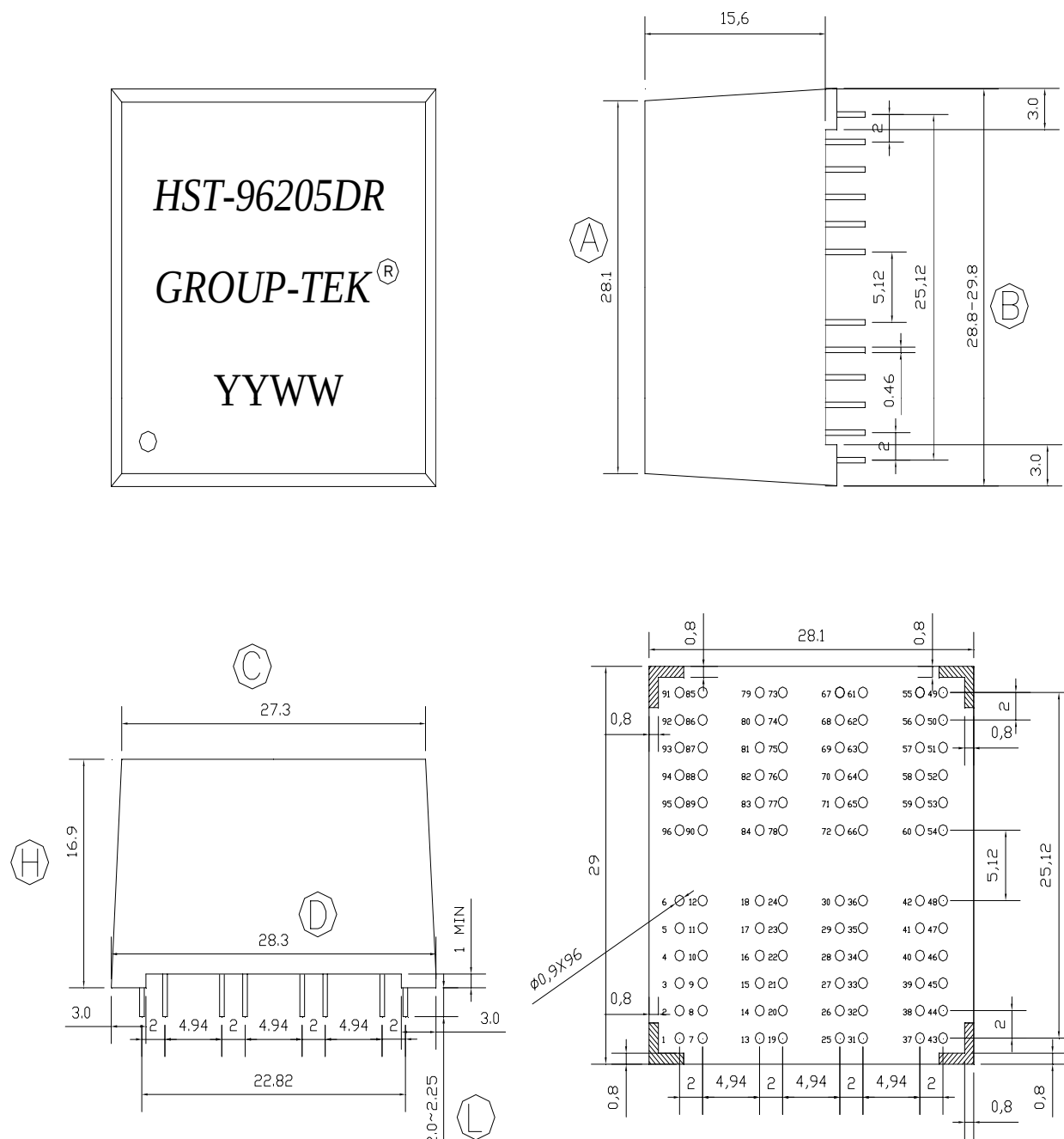


Port 4



HST-96205DR

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



 NO COMPONENT AREA.
*Suggested Customer PCB Layout
(Component Side)*