

10/100/1000BASE-T QUAD MAGNETICS MODULES for PoE+

Features:



- Designed for long haul Gigabit Ethernet 100/1000Base-T, full Quad channels applications.
- Supports PoE+ and Auto MDIX in 16 pairs of category 5 UTP cable
- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.3at standard for 1000Base-T
- RoHS complacence.
- Patented product.

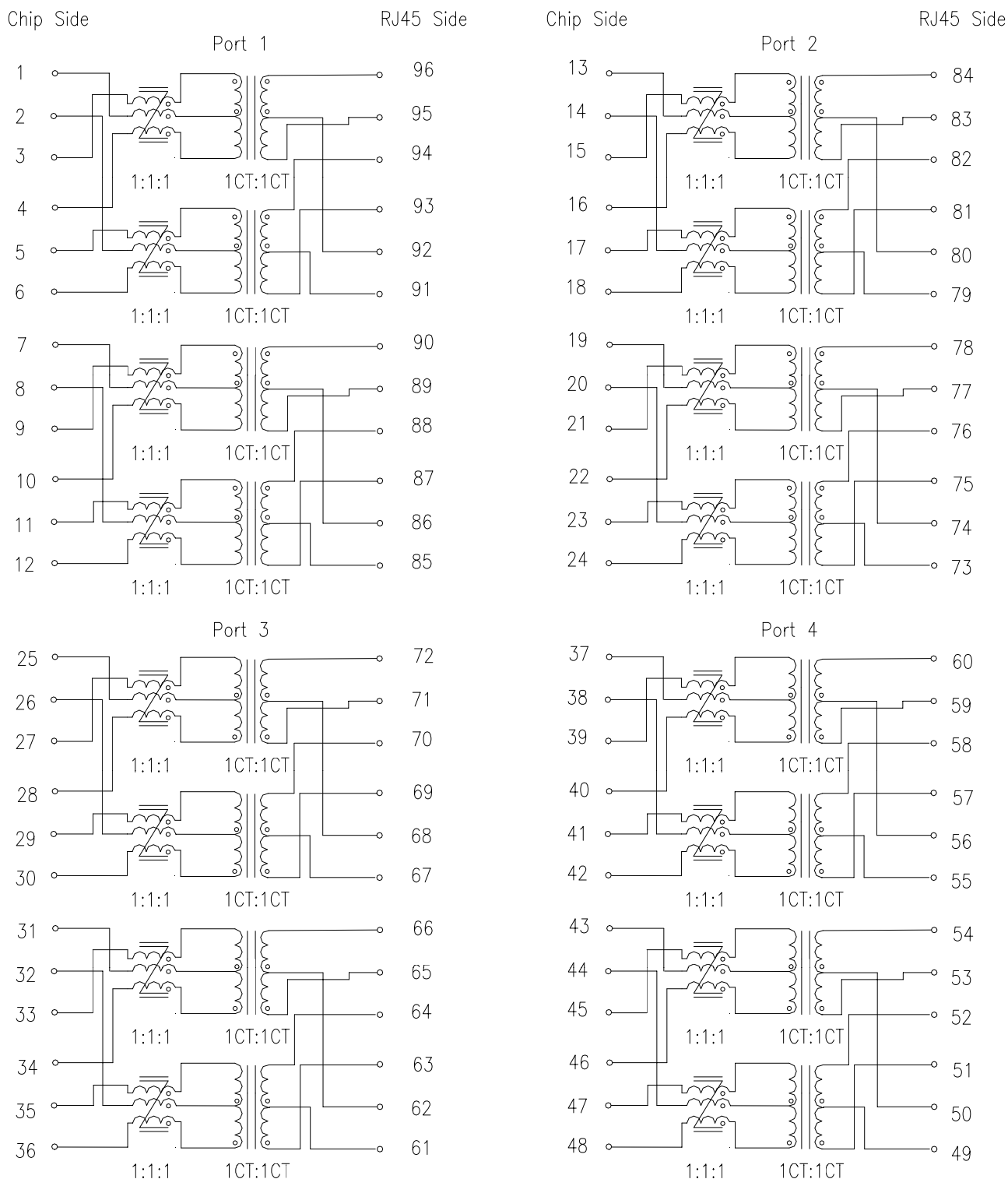
P/N	HST-96206DR					
Parameter	Specifications at 25°C. Operating Temperature 0°C to 70°C					
Insertion Loss	1-30MHz		100MHz		125MHz	
	-1.0 dB MAX		-1.4 dB MAX		-3.0dB MAX	
Return Loss	1MHz	30MHz	60MHz	80MHz	100MHz	
	-20dB	-18dB	-14.4dB	-12dB	-10dB	
Inductance (OCL) (Cable Side, 0°C-70°C)	350 uH MIN (Measured at 100kHz, 100mVRMS and with 24 mA DC BIAS)					
Crosstalk	1MHz	30MHz		60MHz	100MHz	
	-50dB	-40dB		-35dB	-30dB	
DCMR	30MHz			80MHz	100MHz	
	-40dB MIN			-35dB MIN	-30dB MIN	
DCR (1/2 Winding)	0.65 OHMS MAX					
DCR Imbalance	±0.065 OHMS MAX					
DC Current/Voltage Rating - PSE PINS	840 mA MAX @ 57 V (Continuous)					
Input - Output Isolation	1500VAC, 50Hz, @ 60 Seconds					

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P/N

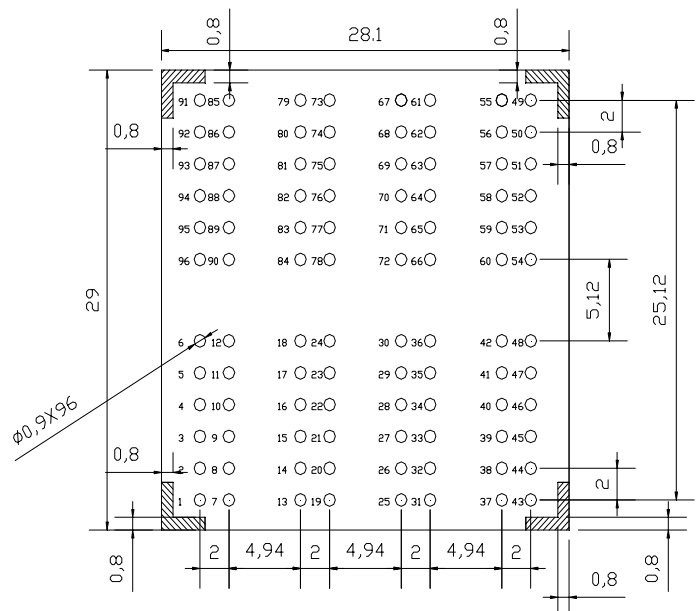
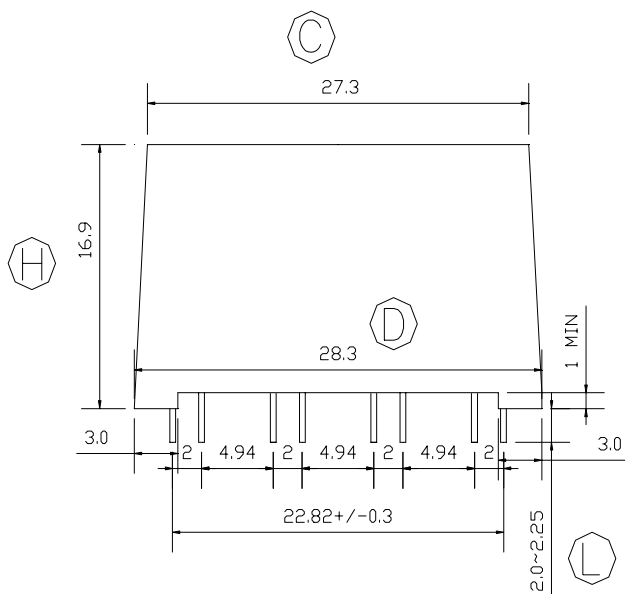
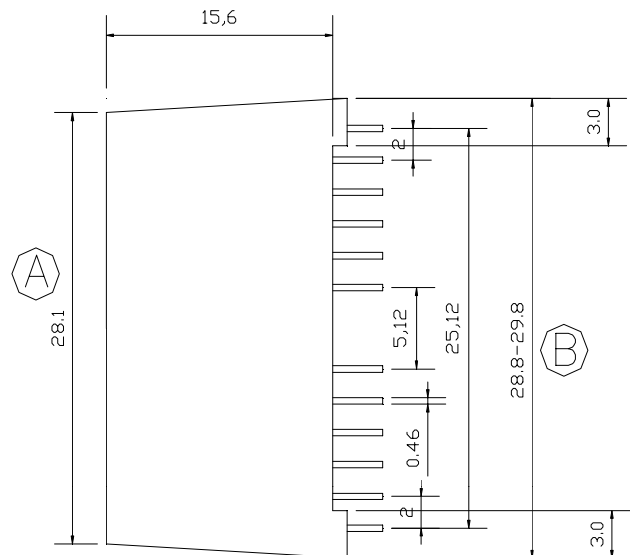
HST-96206DR

Schematic



HST-96206DR

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



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