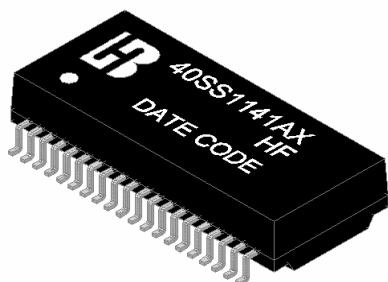


40 PIN SMD ETHERNET 10/100 BASE –TX HIGH SPEED LAN MAGNETICS

P/N: 40SS1141AX HF DATA SHEET

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Feature



- IEEE 802.3 Ethernet compatible.
- 100 Base-TX Surface mountable.
- Design for multi-port repeater and Ethernet switching HUB application.
- Customer designs available for specific application.
- Comply with RoHS & Halogen Free requirements.
- Operating temperature range :0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

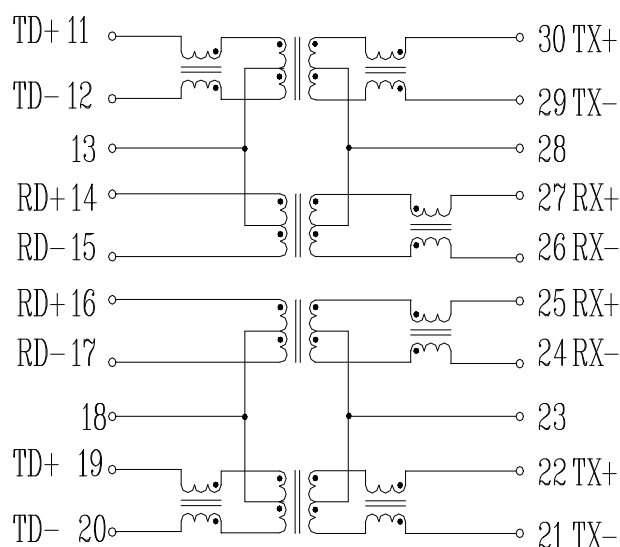
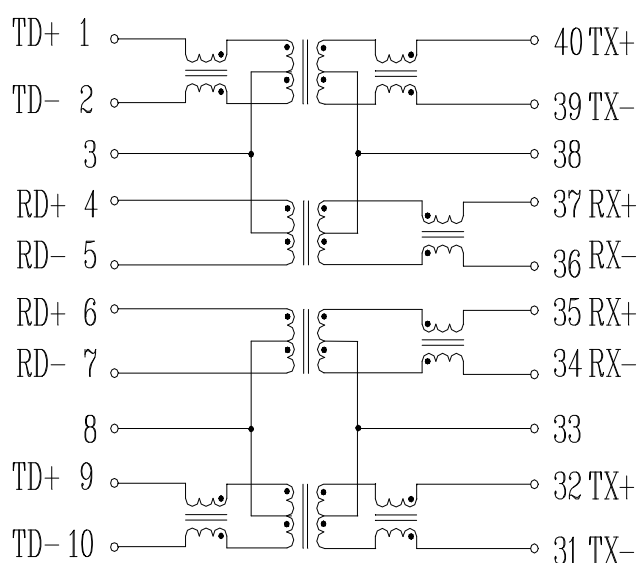
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1V with 8mA DC Bias	L.L (uH Max)	C _{www} (pF Typ)	DCR (Ω Max)	HI-POT (Vrms)
	TX	RX					
40SS1141AX HF	1CT:1CT	1CT:1CT	350	0.5	50	0.9	1500

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)		DCMR (dB Min)		
	1–100MHz	0.3-30MHz	40 MHz	50MHz	60-80MHz	0.3-60MHz	60-100MHz	60MHz	100MHz	200MHz
40SS1141AX HF	-1.10	-18	-15	-13	-11	-40	-35	-37	-28	-25

Schematic

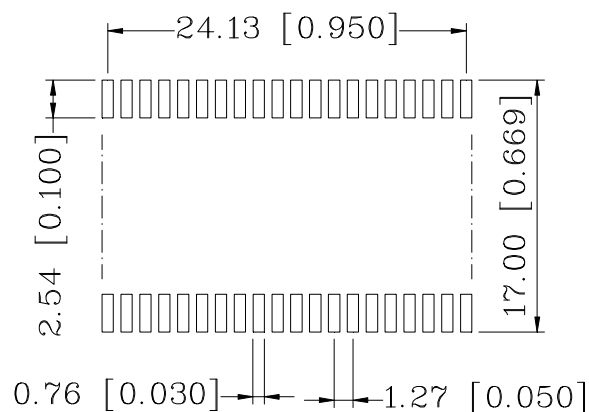
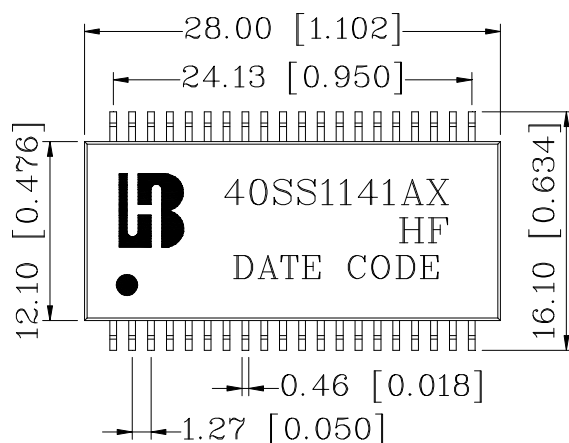


40 PIN SMD ETHERNET 10/100 BASE –TX HIGH SPEED LAN MAGNETICS

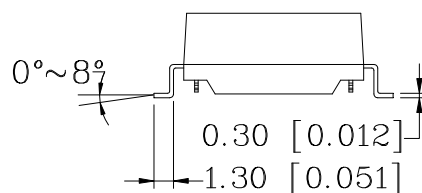
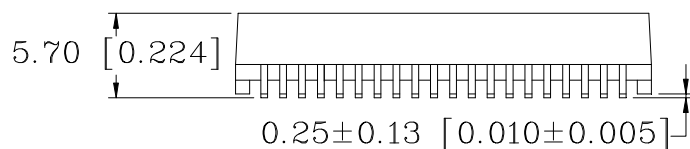
P/N: 40SS1141AX HF DATA SHEET

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Mechanical



SUGGESTED PAD LAYOUT



Units: mm[Inches] Tolerances: xx.x0±0.25[0.010]
0.xx±0.05[0.002]