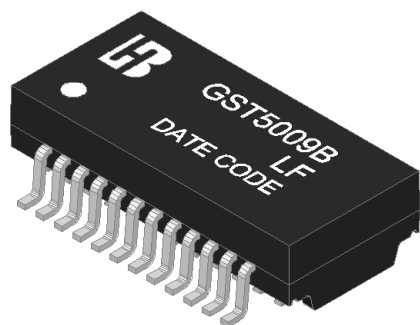


Feature



- Designed for long haul gigabit Ethernet 1000 BASE-T, full duplex applications.
- Supports 4 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- IEEE 802.3af/ANSI X3.263 complying performance.
- 350mA current capability.
- Complying with ROHS & Halogen Free requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +85°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 _{ww} (pF Max)	DCR (Ω Max)	HI-POT
	TX	RX					
GST5009B LF	1CT:1CT	1CT:1CT	350	0.5	28	1.2	AC1500V/1mA

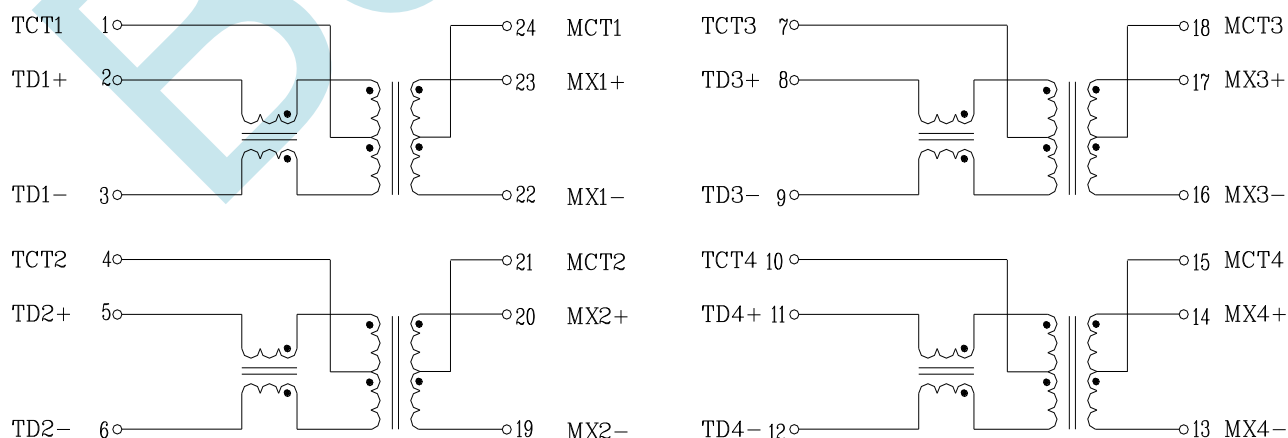
Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@ Load 100Ω				
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz
GST5009B LF	-1.0	-18	-16	-14.08	-12.5	-10

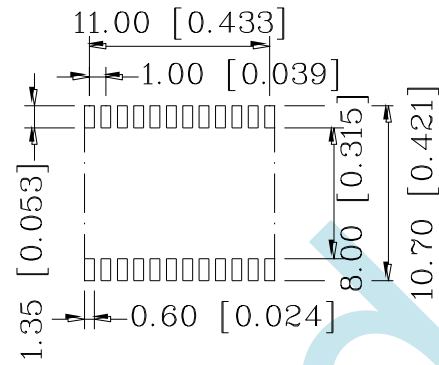
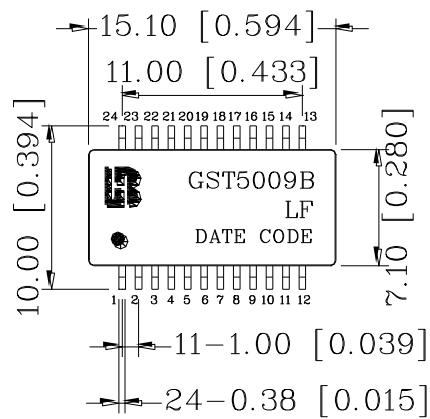
Continue

Part Number	Cross talk (dB Min)			CMR (dB Min)	DCMR (dB Min)		
	30MHz	60MHz	100MHz	1-100MHz	30MHz	60MHz	100MHz
GST5009B LF	-45	-40	-35	-30	-40	-35	-30

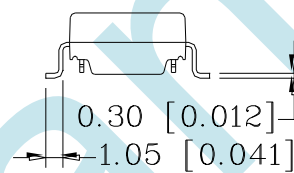
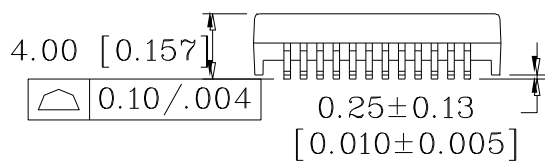
Schematic



Mechanical

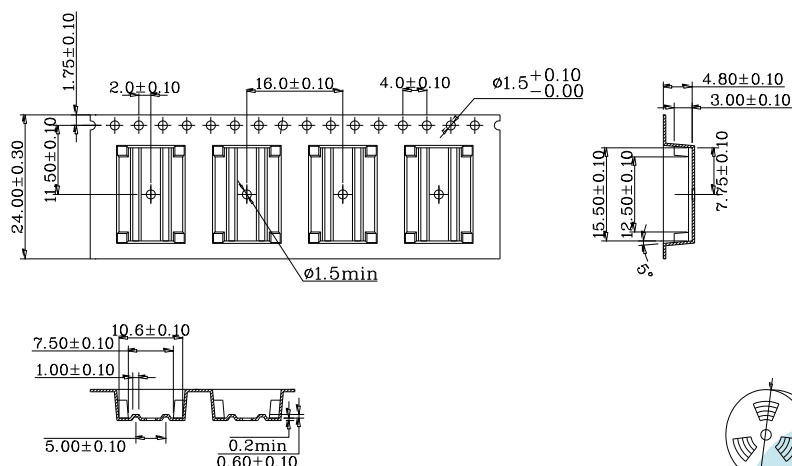


SUGGESTED PAD LAYOUT

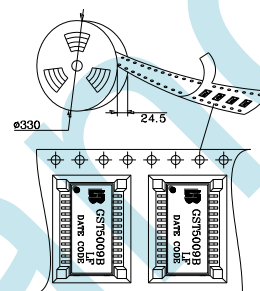


Units: mm[Inches] Tolerances: xx.xx±0.25[0.010]
0.xx±0.05[0.002]

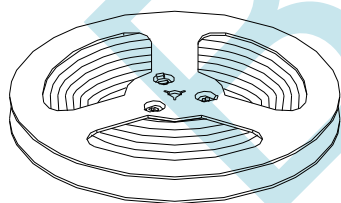
REEL PACKAGE



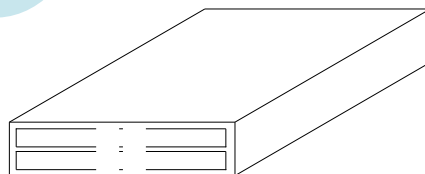
1. 10 sprocket hole pitch cumulative tolerance ± 0.20
2. Material :Black Anti-Static polystyrene.
3. All dimensions meet EIA-481-3 requirements
4. Thickness :0.40±0.05
5. Component load per 13" reel :780pcs
6. Carrier camber is within 1 mm in 250 mm
7. Packing length per 22" reel : 41.5Meters



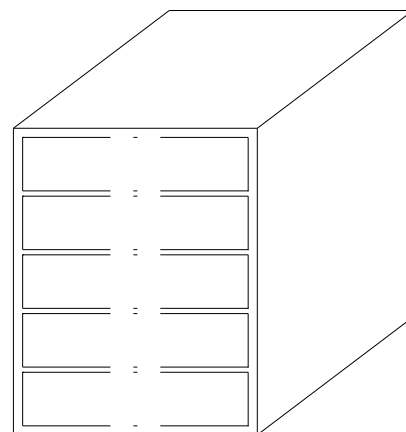
CARTON PACKAGE



REEL



INNER BOX: 347x347x82



OUTER CARTON: 375x375x470

1. 1 REEL=780PCS
2. 1 INNER BOX=2 REELS=1560PCS
3. 1 OUTER CARTON=5 INNER BOXES=7800PCS