

10/100BASE-TX TRANSFORMER MODULES



- Low profile packages .88" max for PC card and cardbus applications
- 350μH OCL with 8mA DC
- Operating temperature: -40°C to +85°C
- Storage temperature: -55°C to +125°C
- MSL: 3

Electrical Specifications @25°C

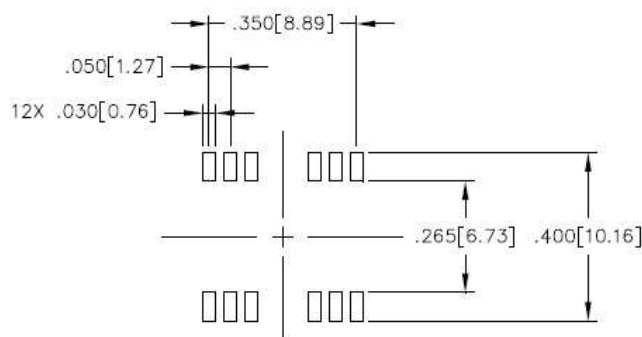
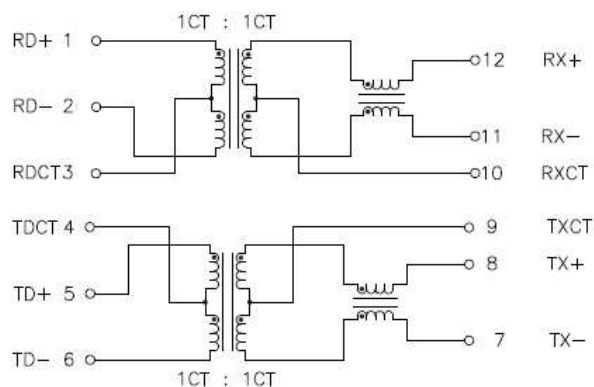
Part Number	Insertion Loss (dB MAX)	Return Loss (dB MIN)				Common to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hipot@6s (Vrms MIN)
		30 MHz	60 MHz	80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	32 MHz	62 MHz	100 MHz	
100B-1035	-1.2	-16	-14	-10	-8	-35	-30	-25	-45	-40	-35	1500

1. Add suffix "NL" for RoHS compliant version; i.e. 100B-1035 becomes 100B-1035NL. NL Parts have 100% Sn Lead Finish (MSL:3)

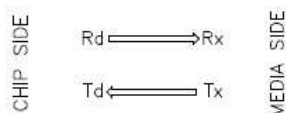
Schematic

Suggested Pad Layout

100B-1035/NL



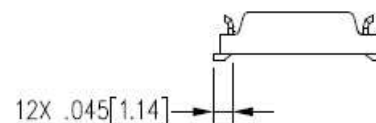
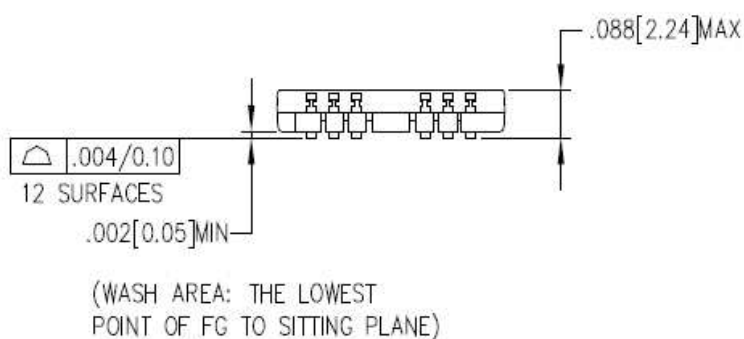
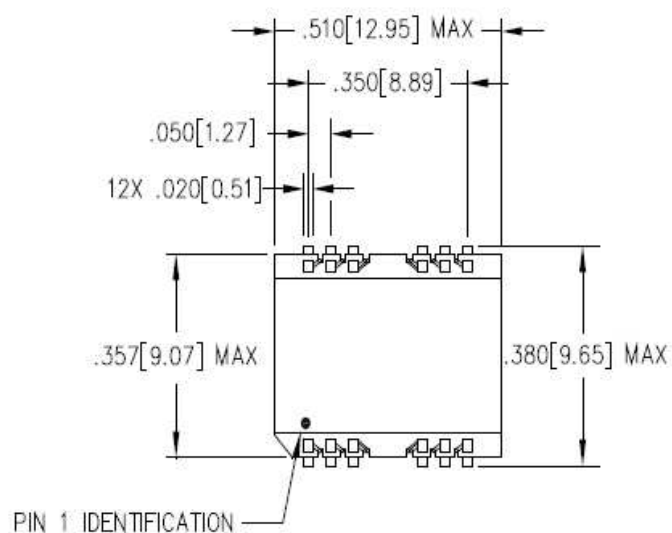
LEGEND



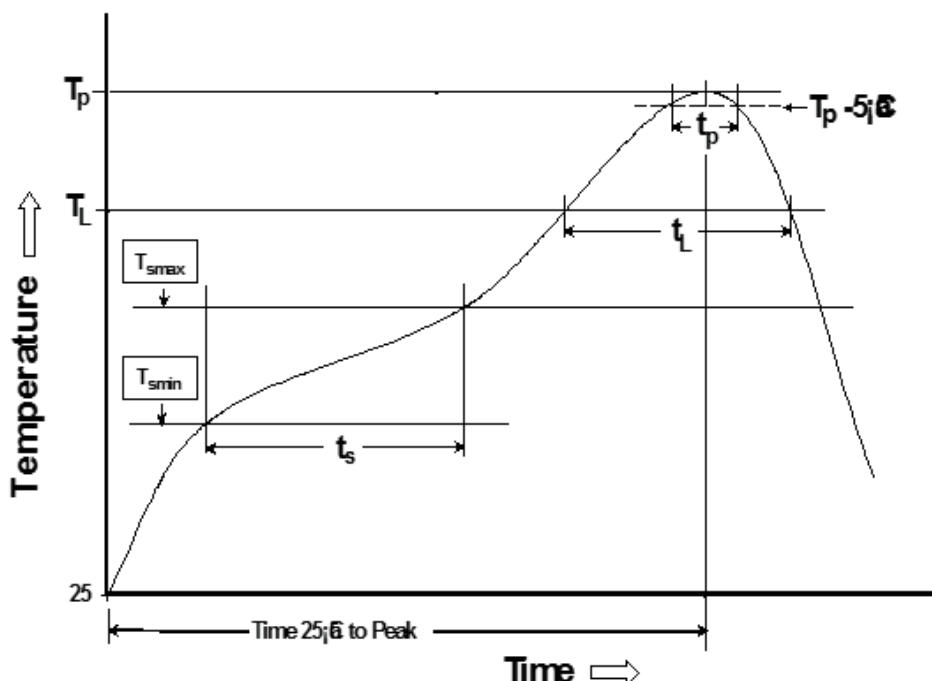
ALL CHANNELS ARE
IN PHASE BETWEEN
INPUT TO OUTPUT

Mechanical

100B-1035/NL



Tin/Lead Recommended Reflow Profile (Based on J-STD-020D)



T_{SMIN} (°C)	T_{SMAX} (°C)	T_L (°C)	T_P (°C MAX)	t_s (s)	t_L (s)	t_P (s MAX)	Ramp-up rate (T_L to T_P)	Ramp-down rate (T_P to T_L)	Time 25°C to peak temperature (s MAX)
100	150	183	235	60-120	60-150	20	3°C/s MAX	6°C/s MAX	360

Notes:

1. All temperatures measured on the package leads.
2. Maximum times of reflow cycle: 2.

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