

10/100 BASE-T Single-Port TRANSFORMER MODULES

Military / Aerospace Grade



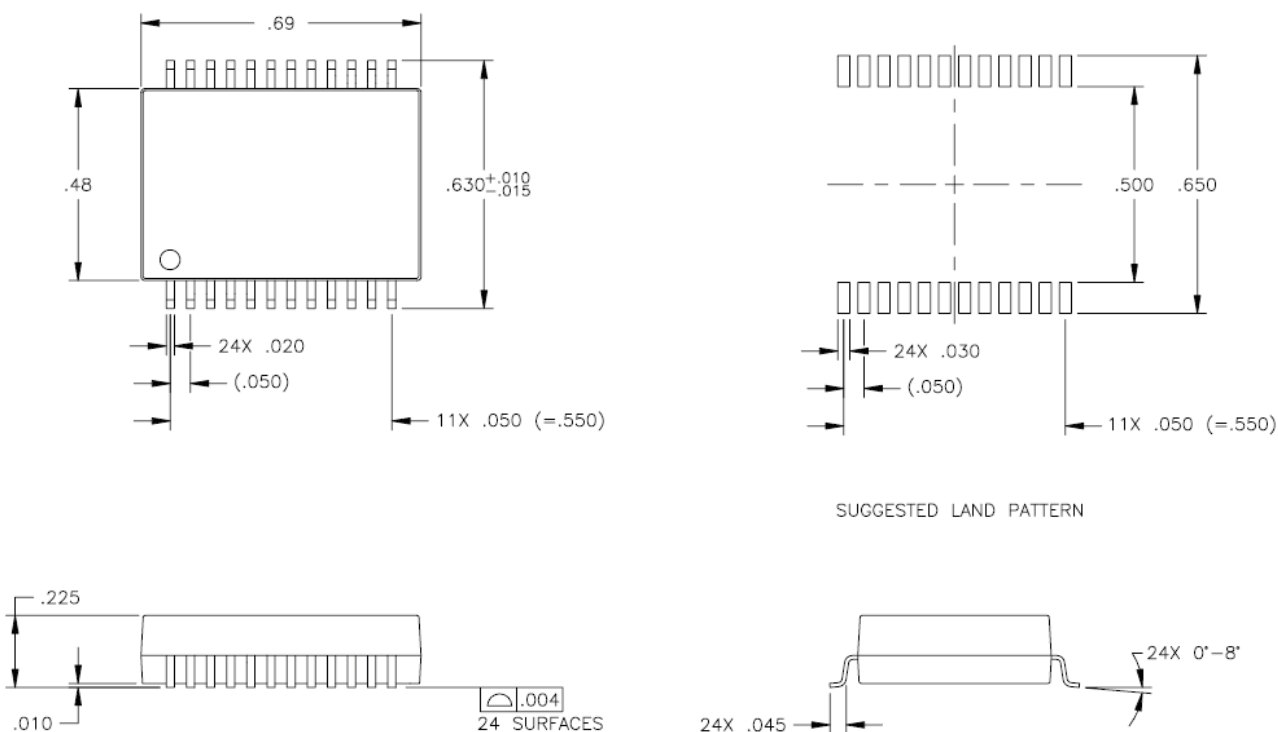
- Compliant with IEE 802.3u and ANSI X3.263 Standards
- 350μH OCL with 8mA bias at extended temperatures
- Operating Temperature:
 - 100B-1011: -40°C to +85°C
 - 100B-1011X: -55°C to +125°C - Extended Temperature
- IC grade transfer-molded package withstands 235°C peak profile
- Lead Finish Sn63/Pb37
- MSL: 3

Electrical Specifications @ 25°C - Storage Temperature -55°C to +125°C

Part Number	Insertion Loss (dB MIN)	Return Loss (dB MAX)			Crosstalk			DM to CM Rejection Ratio (dB MAX)		
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100B-1011	0.1-100 MHz	30 MHz	60 MHz	80 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz
	-1.20	-18	-12	-12	-43	-37	-35	-42	-37	-33
100B-1011X	0.1-100 MHz	30 MHz	60 MHz	80 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz
	-1.20	-18	-12	-12	-43	-37	-35	-42	-37	-33

Mechanical

100B-1011/X

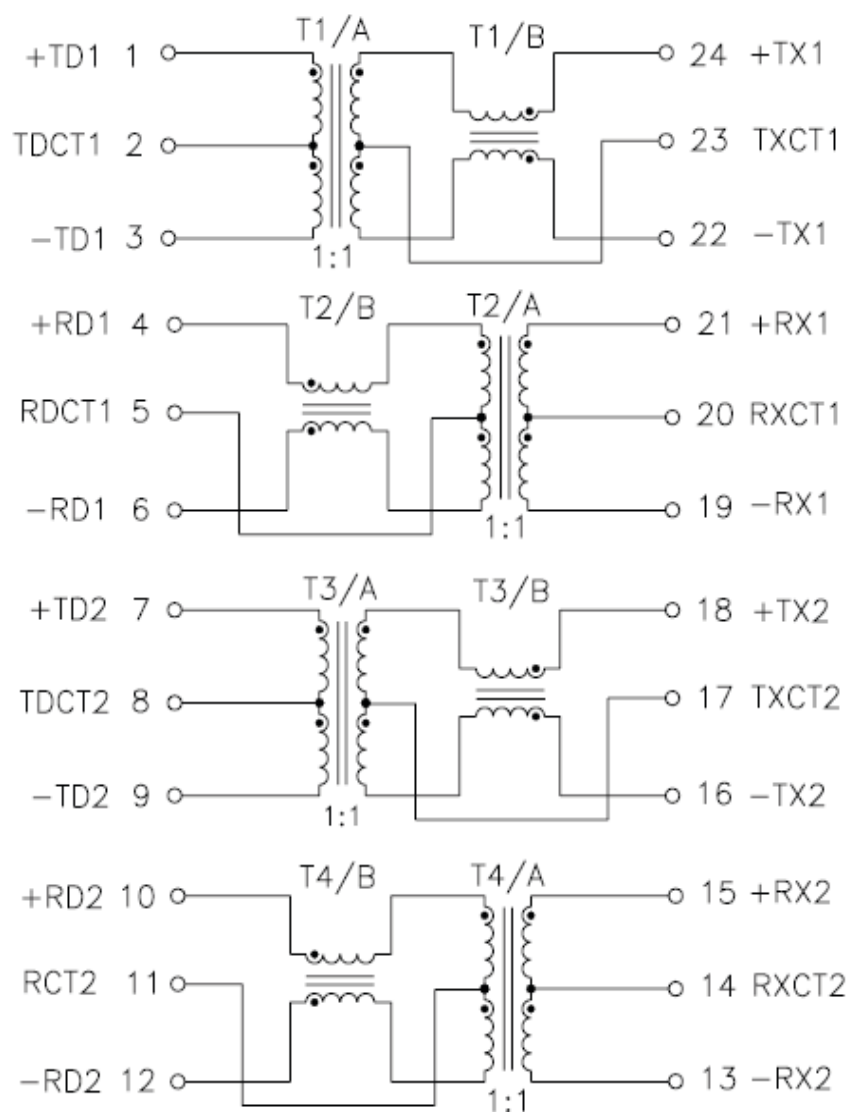


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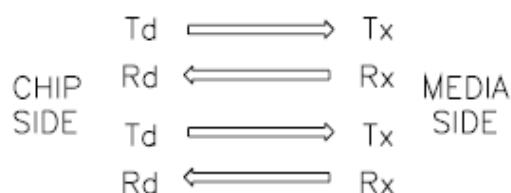
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Schematic

100B-1011/X



SCHEMATIC



The graph illustrates the temperature profile of a fire over time. The vertical axis represents Temperature, and the horizontal axis represents Time. The curve starts at a base temperature of 25, rises to a peak temperature T_p , and then declines. Key parameters and time intervals are labeled:

- T_{smax} : Maximum temperature reached.
- T_{min} : Minimum temperature reached.
- T_l : A specific temperature level.
- t_s : Time from 25 to T_l .
- t_p : Time from T_l to the peak.
- t : Time from T_l to T_l on the falling curve.
- Time 25 to Peak: Total time from 25 to the peak.

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