1000BASE-T SINGLE PORT TRANSFORMER MODULE

Ruggedized



- Compliant with IEEE 802.3 standards
- 350µH OCL with 8mA DC bias at extended temperatures
- Storage Temperature: -55°C to +125°C
- Operating Temperature: -40°C to +105°C
- Dielectric Withstanding Voltage (DWV): 1500 Vrms
- Epoxy Encapsulated Package
- Lead Finish: Sn63Pb37
- Moisture Sensitivity Level: 3

Electrical Specifications @ 25°C																
	Insertion Loss					Return Loss					Crosstalk			Common Mode Rejection		
	(dB MAX)					(dB MIN)					(dB MIN)			(dB MIN)		
Part	0.10	30	60	80	100	1	40	60	80	100	30	60	100	30	60	100
Number	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
1000B-5063A	1.2	1.2	1.2	1.2	1.2	18	16	12	10	8	44	37	33	31	25	21

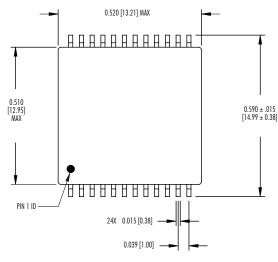
NOTES:

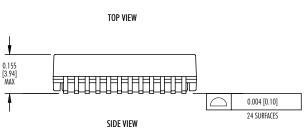
1000B-5063A

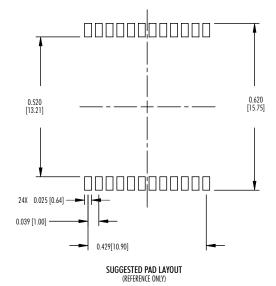
1. For Tape & Reel packaging, add "T" suffix at the end of the part number: i.e. 1000B-5063AT.

Mechanicals

Dimensions: inch [mm]
Tolerance (unless otherwise specified): ±0.010 [0.25]







0.25 [0.64] SIDE VIEW



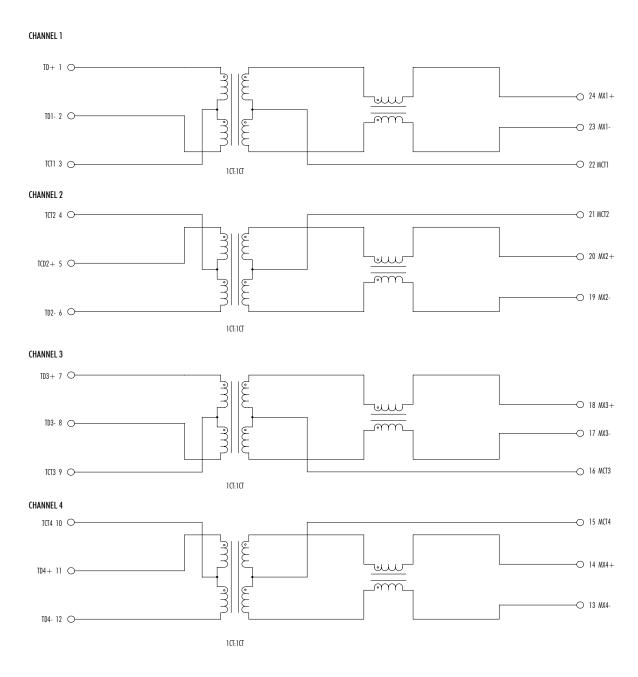
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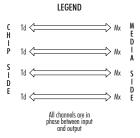
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Electrical Schematics

1000B-5063A





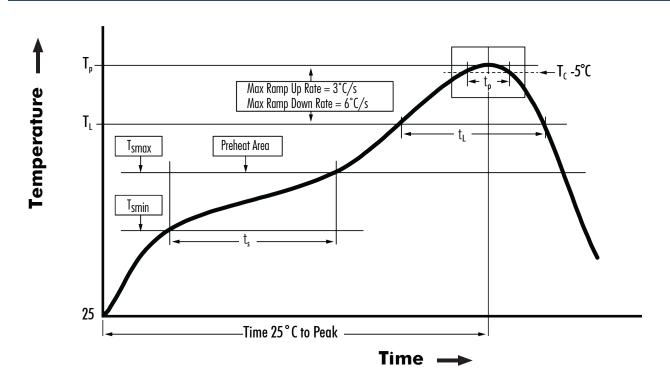


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Recommended Reflow Profile (Based on J-STD-020D)



T _{smin} (°C)	T _{smax} (°C)	T _L (°C)	T _P (°C MAX)	† _s (s)	† _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	220	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 number of reflow cycles not to exceed 2.



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