

Ruggedized

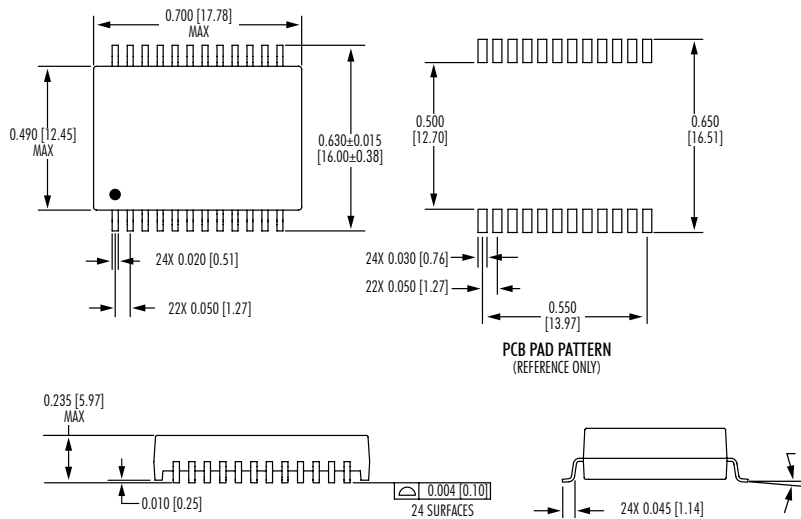


- ## Electrical Specifications @ 25°C

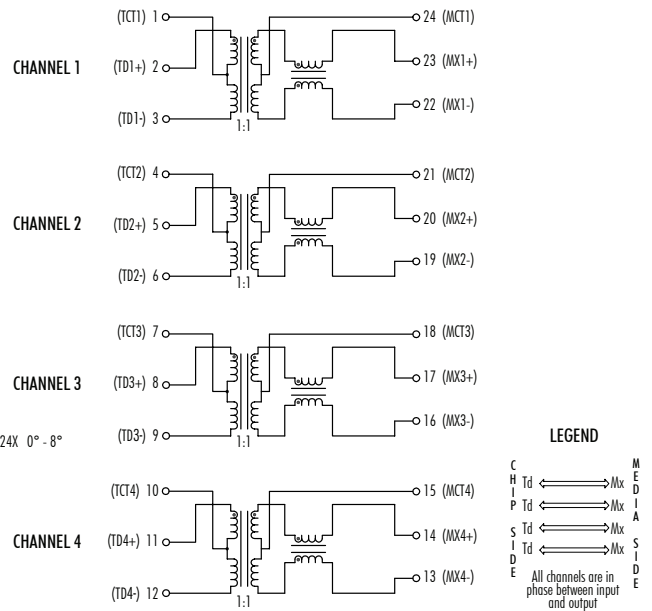
Ruggedized

Mechanicals

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

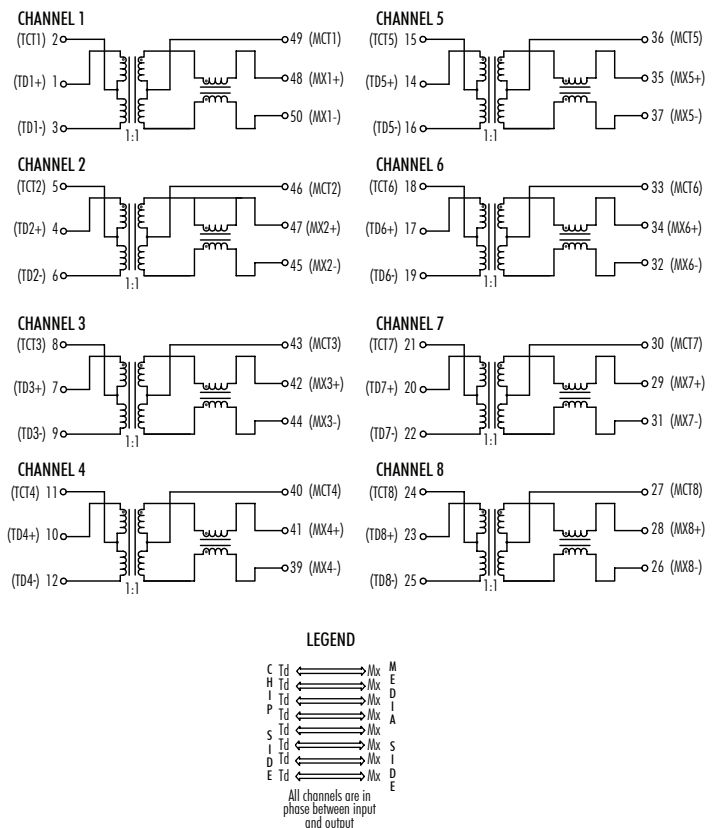
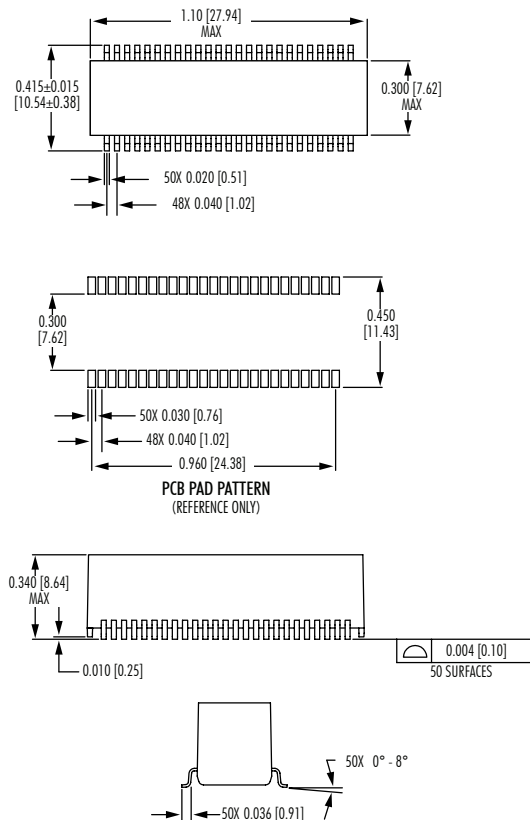


Electrical Schematics



Electrical Schematics

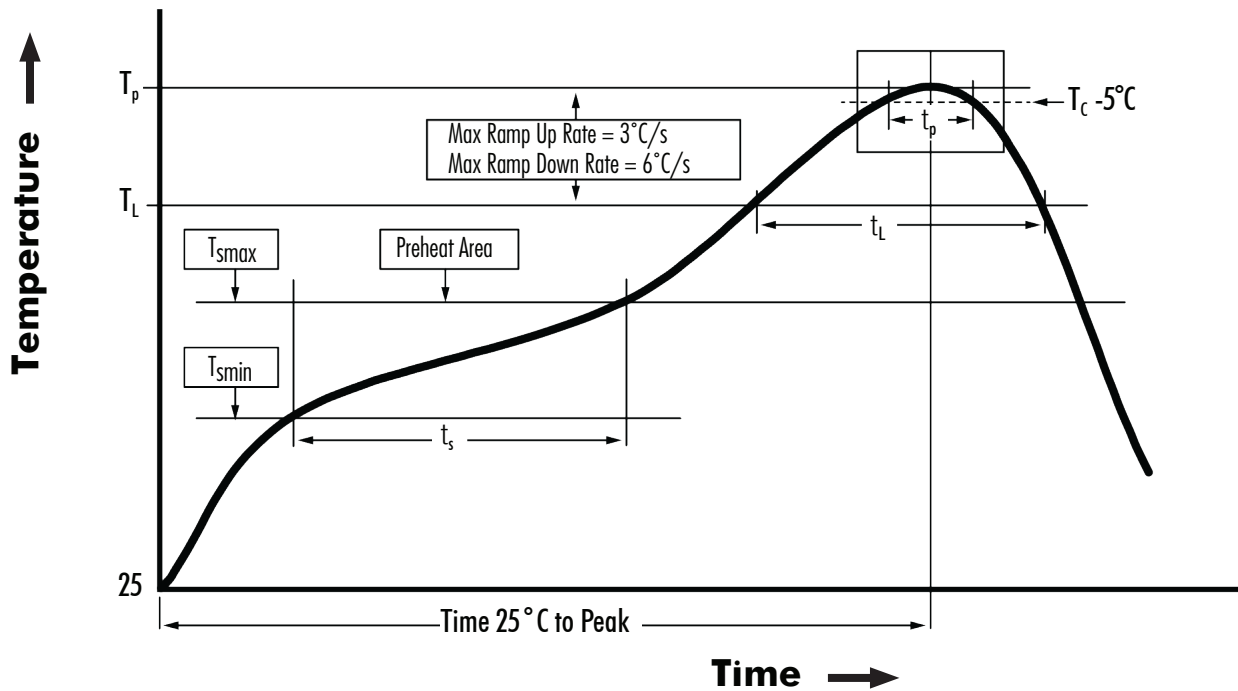
Dimensions: inch [mm]
Tolerance (unless otherwise specified): ± 0.010 [0.25]



1000BASE-T SINGLE & DUAL PORT
TRANSFORMER MODULES

Ruggedized

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)
Tin/Lead Profile									
100	150	183	235	60 - 120	60 - 150	20	3°C/s MAX	6°C/s MAX	360
Non-Lead Profile									
150	200	217	245	60 - 120	60 - 150	30	3°C/s MAX	6°C/s MAX	480

NOTES:

1. All temperatures measured on the package leads.
2. Maximum number of reflow cycles not to exceed 2.
3. Reflow cycle applies only to surface mount parts.



iNRCORE, LLC
311 Sinclair Road, Bristol, PA 19007-6812 USA
Tel: +1.215.781.6400 Fax: +1.215.781.6430

www.iNRCORE.com

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2023. iNRCORE, LLC. All rights reserved.

M1061.C (8JUN23)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[iNRCORE:](#)

[1000B-5002X](#) [1000B-5002XNL](#) [1000B-5003X](#) [1000B-5001X](#) [1000B-5001XNL](#) [1000B-5001XT](#) [1000B-5003T](#)
[1000B-5001T](#) [1000B-5002XT](#) [1000B-5001](#) [1000B-5001NL](#) [1000B-5001NLT](#) [1000B-5001XNLT](#) [1000B-5002](#) [1000B-](#)
[5002NL](#) [1000B-5002NLT](#) [1000B-5002T](#) [1000B-5002XNLT](#) [1000B-5003](#) [1000B-5003NL](#) [1000B-5003NLT](#) [1000B-](#)
[5003XNL](#) [1000B-5003XNLT](#) [1000B-5003XT](#)