



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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10/100 BASE-T Single-Port TRANSFORMER MODULES

Military / Aerospace Grade



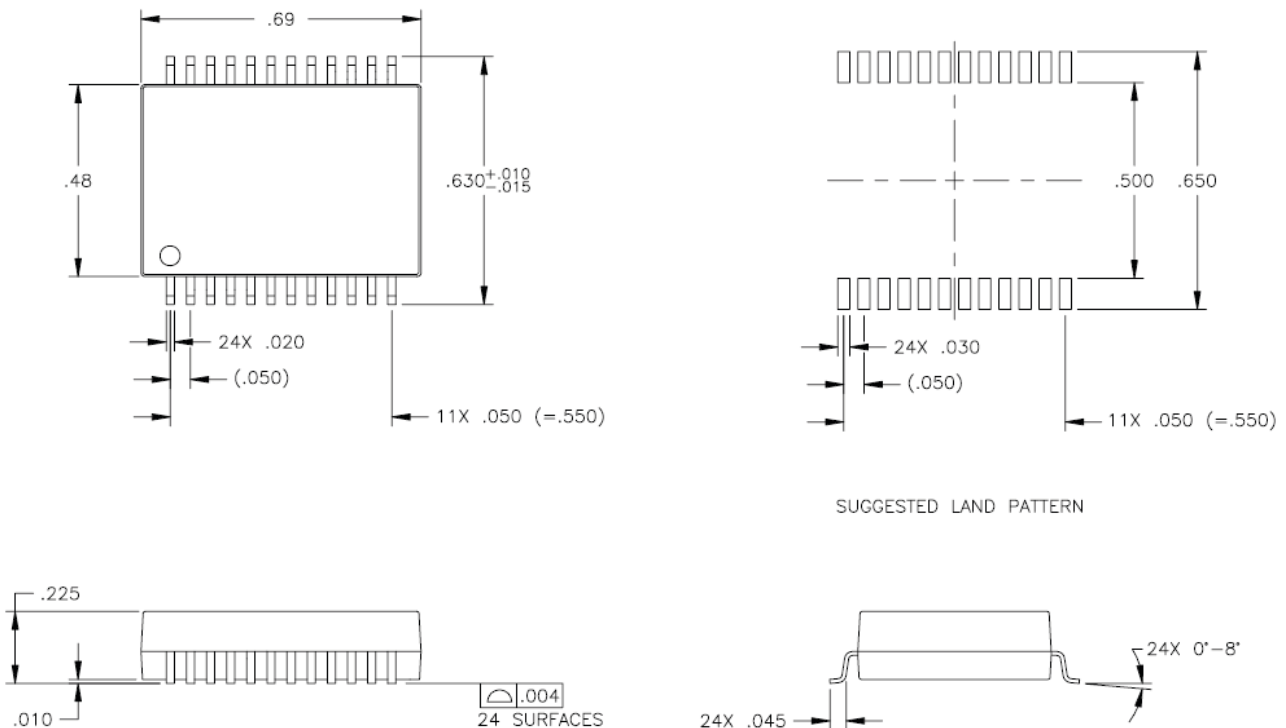
- Compliant with IEE 802.3u and ANSI X3.263 Standards
- 350μH OCL with 8mA bias at extended temperatures
- Operating Temperature:
 - 100B-1011: -40°C to +85°C
 - 100B-1011X: -55°C to +125°C - Extended Temperature
- IC grade transfer-molded package withstands 235°C peak profile
- Lead Finish Sn63/Pb37
- 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)		
		30 MHz	60 MHz	80 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz
100B-1011	0.1-100 MHz	-18	-12	-12	-43	-37	-35	-42	-37	-33
	-1.20									
100B-1011X	0.1-100 MHz	-18	-12	-12	-43	-37	-35	-42	-37	-33
	-1.20									

Mechanical

100B-1011/X

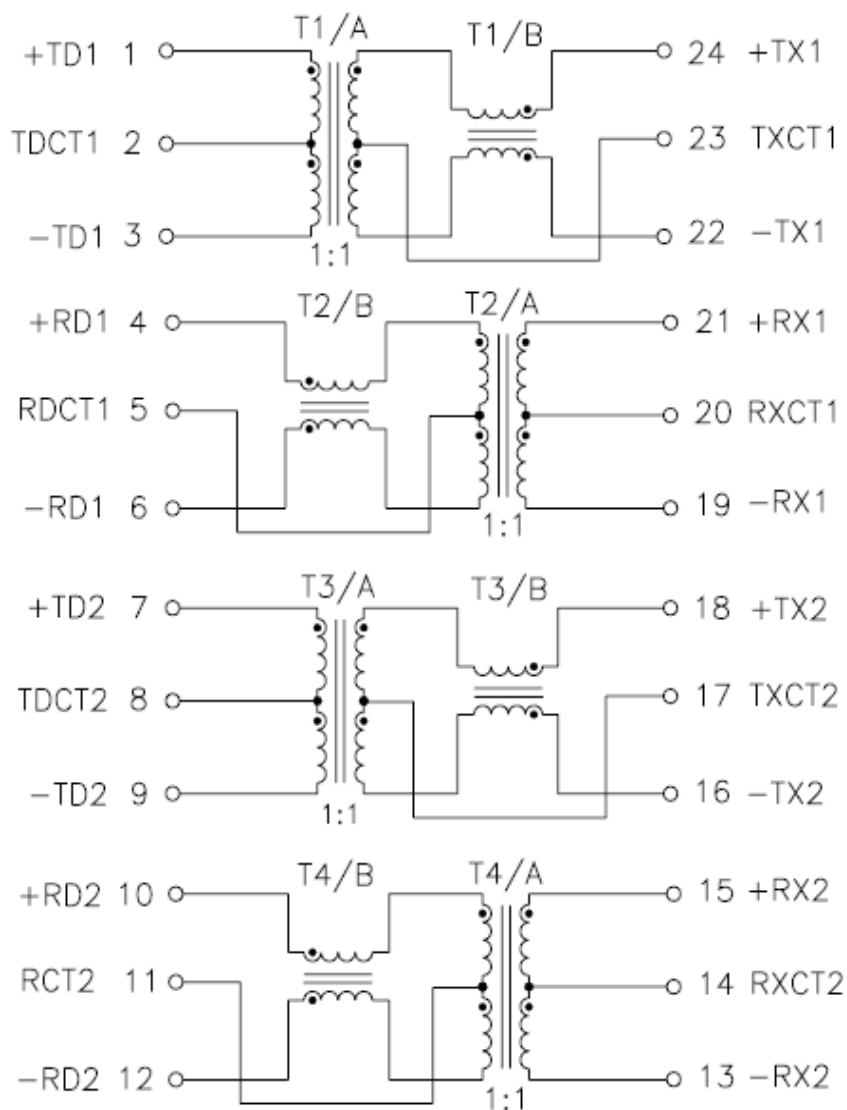


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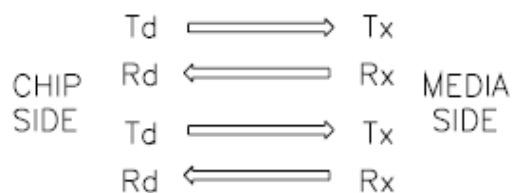
Military / Aerospace Grade

Schematic

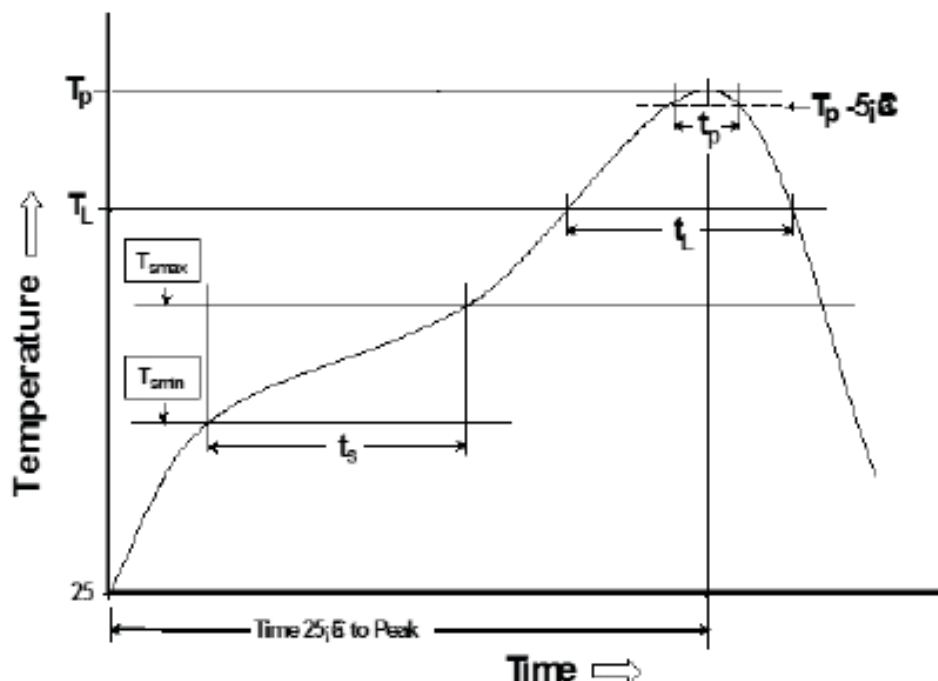
100B-1011/X



SCHEMATIC



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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