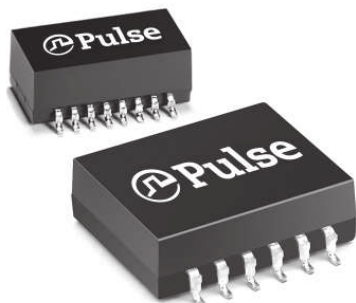


10/100BASE-TX Single-Port Transformer Modules

Military / Aerospace Grade



- Compliant with IEEE 802.3u & ANSI X3.263 standards
- 350µH OCL with 8mA bias, MSL: 3
- Operating and storage temperature:
100B-1001F & 100B-1003: -40°C to +85°C
100B-1001FX & 100B-1003X: -55°C to +125°C
- IC grade transfer-molded package withstands
235°C peak temperature profile. RoHS version withstands 245°C
- AS9100C Certified (Based on and including ISO 9001:2008)

Electrical Specifications @ 25°C

Part Number ¹	Insertion Loss (dB MIN)	Return Loss (dB MAX)				Crosstalk (dB MAX)				DMtoCM Rejection Ratio (dB MAX)		
	0.1-100 MHz	2-30 MHz	50 MHz	60 MHz	80 MHz	16 MHz	30 MHz	60 MHz	80 MHz	0.1-30 MHz	30-60 MHz	60-100 MHz
100B-1001F	-1.00	-18	-14	-12	-12	-48	-44	-40	-38	TX: -50 RX: -50	TX: -40 RX: -40	TX: -30 RX: -30
100B-1001FX	-1.10	-18	-14	-12	-10	-48	-44	-40	-38	TX: -45 RX: -45	TX: -40 RX: -40	TX: -38 RX: -33
100B-1003	-1.00	-20	-14	-12	-12	-48	-45	-40	-38	TX: -50 RX: -50	TX: -40 RX: -40	TX: -35 RX: -35
100B-1003F	-1.00	-20	-14	-12	-12	-48	-45	-40	-38	TX: -50 RX: -50	TX: -40 RX: -40	TX: -35 RX: -35
100B-1003X	-1.00	-20	-14	-12	-12	-48	-45	-40	-38	TX: -45 RX: -35	TX: -40 RX: -35	TX: -35 RX: -35

NOTES: 1. Add suffix NL for RoHS compliant version; i.e. 100B-1001F becomes 100B-1001FNL. NL Parts are 100% Sn.
2. For Tape & Reel Packaging, add "T" suffix at the end of the part number; i.e. 100B-1003XT

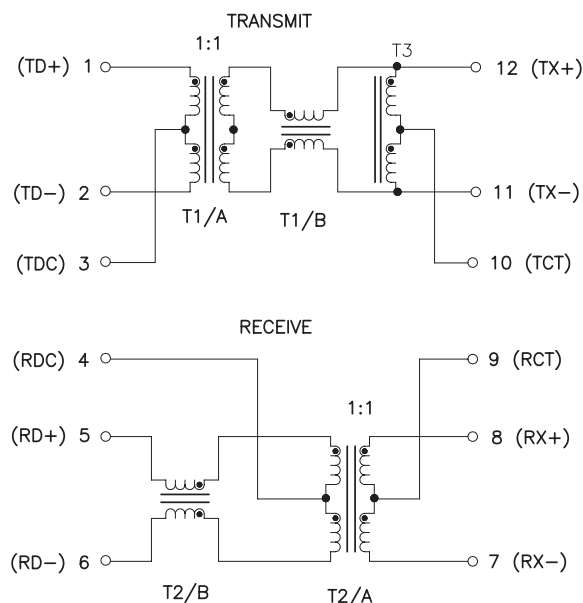
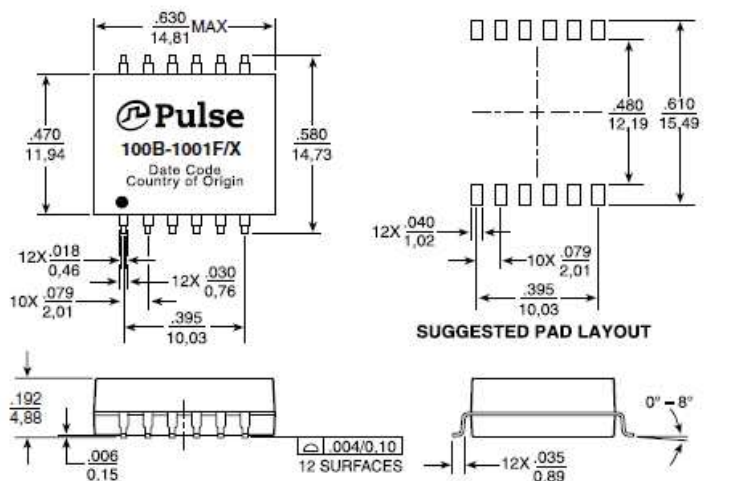
3. Lead Finish: Sn63/Pb37
4. 100B-1003FNL has a Lead
5. 100B-1003FNL - MSL: 4

6. Maximum Hi-Pot 1800VAC/2500VDC for 6 Sec.

Mechanical

Schematic

100B-1001F/X



10/100BASE-TX Single-Port Transformer Modules

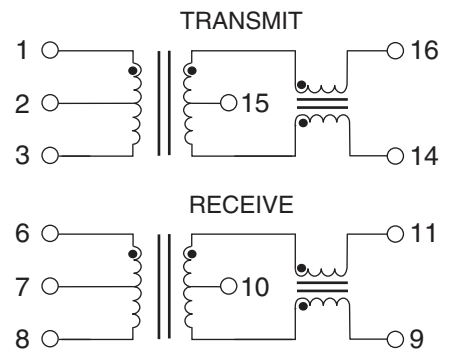
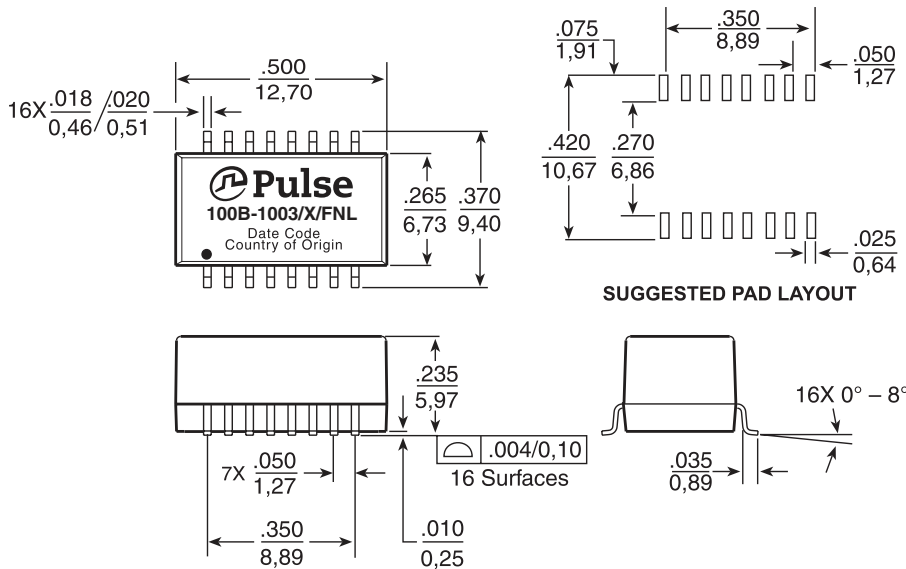
Military / Aerospace Grade



Mechanical

Schematic

100B-1003/X/FNL



Weight 1.16 grams
 Tape and Reel 600/reel
 Dimensions: Inches
 mm
 Unless otherwise specified, all tolerances are $\pm .010$
 0,25

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