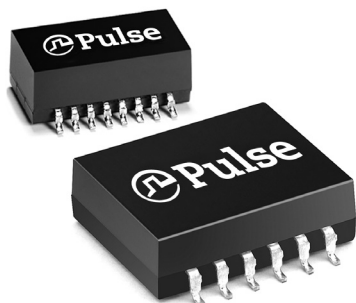
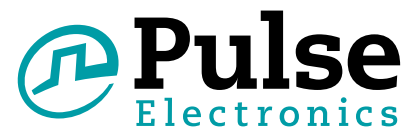


10/100BASE-TX Single-Port Transformer Modules

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)				DM to CM 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-1003FNL	-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

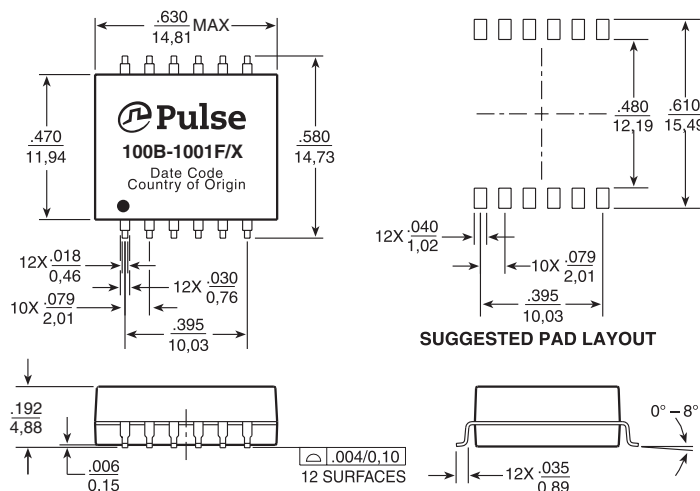
5. 100B-1003FNL - MSL: 4

4. 100B-1003FNL has a Lead Finish of Sn100

Mechanical

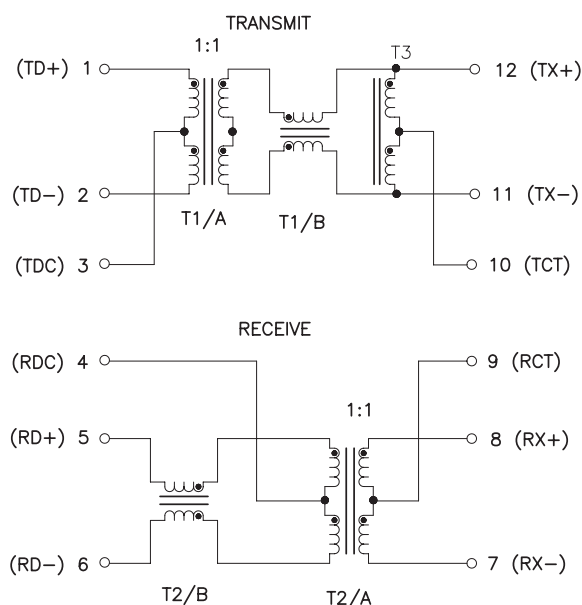
Schematic

100B-1001F/X



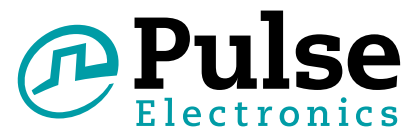
Weight 1.7 grams
Tape and Reel 350/reel
Tray 30/tray

Dimensions: Inches
mm
Unless otherwise specified, all tolerances are ±.010
0,25



10/100BASE-TX Single-Port Transformer Modules

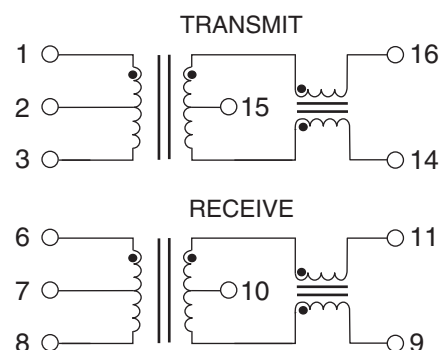
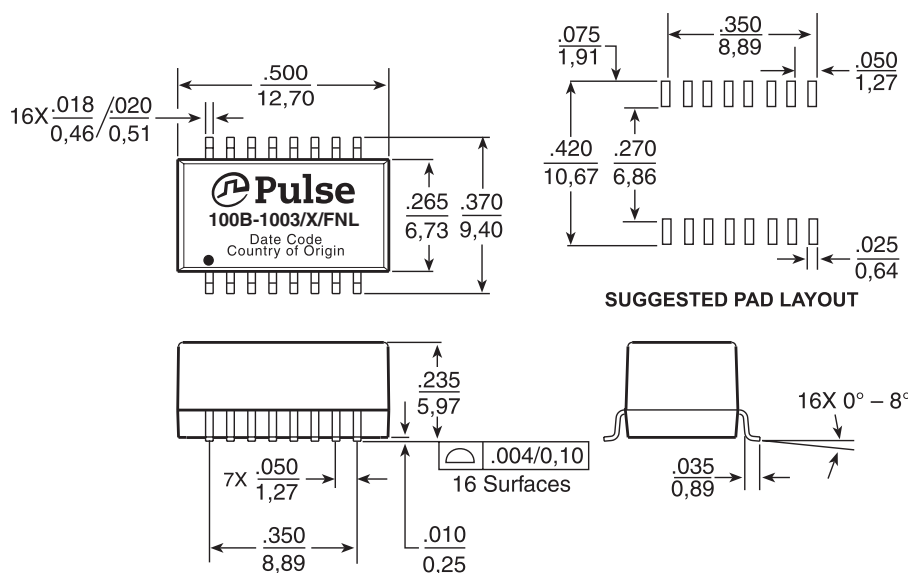
Military / Aerospace Grade



Mechanical

Schematic

100B-1003/100B-1003X/100B-1003FNL



Weight 1.16 grams
Tape and Reel 600/reel

Dimensions: Inches
mm
Unless otherwise specified, all tolerances are $\pm .010$
0,25

For More Information

Pulse North America Headquarters
Two Pearl Buck Court
Bristol, PA 19007
U.S.A.

Tel: 215 781 6400
Fax: 215 781 6403

Pulse Europe
Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 7806 0
Fax: 49 7032 7806 135

Pulse China Headquarters
B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejinan Road
High-Tech Zone
Nanshan District
Shenzhen, PR China 518057
Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China
Room 2704/2705
Super Ocean Finance Ctr.
2067 Yan An Road West
Shanghai 200336
China
Tel: 86 21 62787060
Fax: 86 2162786973

Pulse South Asia
135 Joo Seng Road
#03-02
PM Industrial Bldg.
Singapore 368363
Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia
3F, No. 198
Zhongyuan Road
Zhongli City
Taoyuan County 320
Taiwan R. O. C.
Tel: 886 3 4356768
Fax: 886 3 4356823 (Pulse)
Fax: 886 3 4356820 (FRE)

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