

EXTENDED TEMPERATURE SURFACE MOUNT 10BASE-T INTERFACE MODULES

Fully Integrated for Adapter, Hub,
and Motherboard Applications



NEW PRODUCT!



- Extended temperature operates from -40°C to +85°C
- Meets IEEE 802.3 specification
- EX2001 part is designed for AMD extended temperature transceiver
- 235°C peak infrared reflow temperature rating

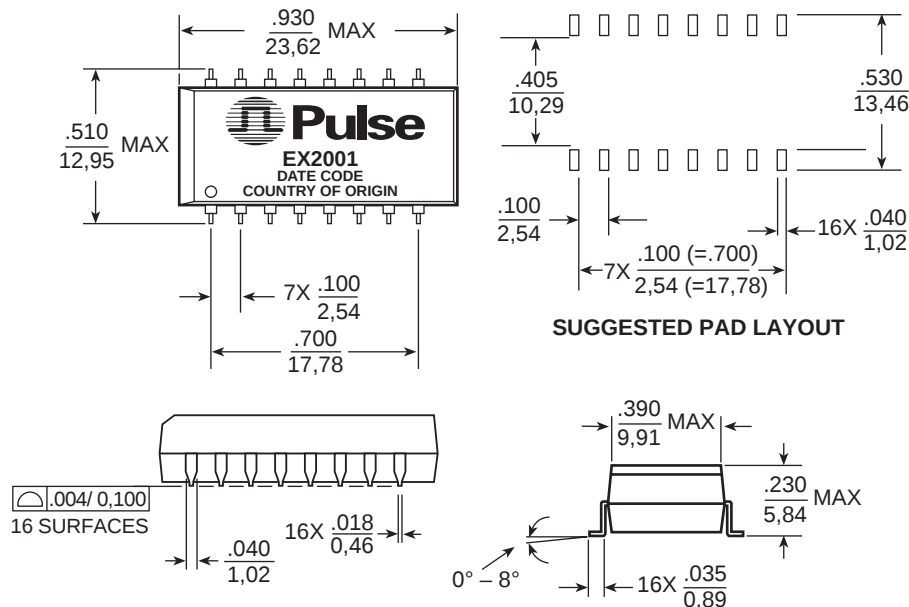
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

Part Number	Insertion Loss 1 to 10 MHz (dB MAX)	Attenuation (XMIT) (dB MIN)			Return Loss 5 to 10MHz (dB MIN)		Crosstalk (dB MIN)	Common Mode Rejection (XMIT) (dB MIN)					Hi-Pot (VRMS MIN)
		30 MHz	50 MHz	100 MHz	100 Ω	98 ±13 Ω		5 MHz	10 MHz	50 MHz	100 MHz	200MHz	
EX2001	-1.0	-30	-35	-35	-18	-15	-35	-60	-60	-55	-50	-45	1800

NOTE: Turns ratios are 1:1 for the EX2001. The receive and transmit sides meet IEEE 802.3i specifications. Specifications reflect filter sections.

Mechanical

EX2001



Weight 2.5 grams
Tape & Reel250/reel
Tube20/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

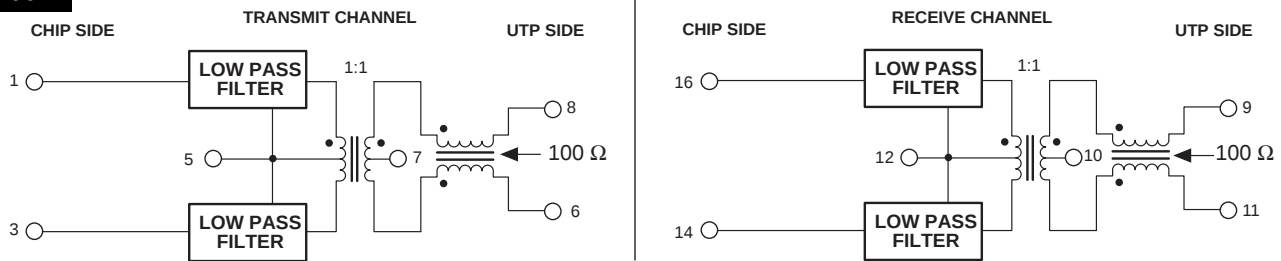
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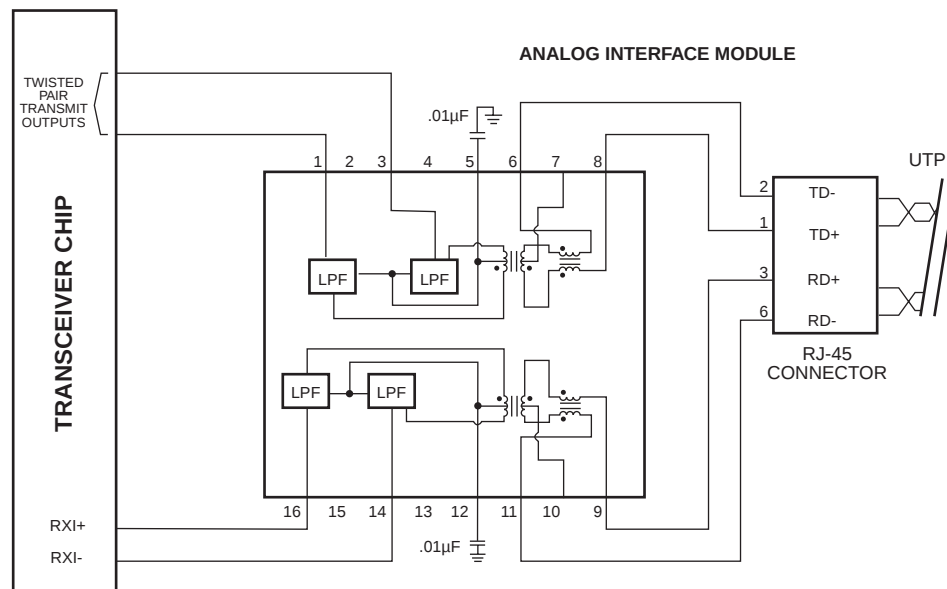
Schematics

EX2001



Typical Application Circuit

EX2001



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