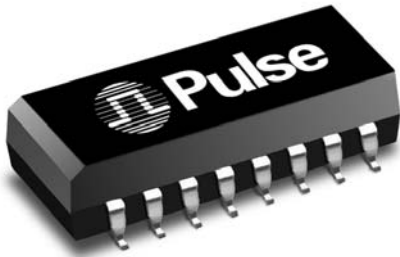


EXTENDED TEMPERATURE SURFACE MOUNT 10BASE-T INTERFACE MODULES



Fully Integrated for Adapter, Hub and
Motherboard Applications



-  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

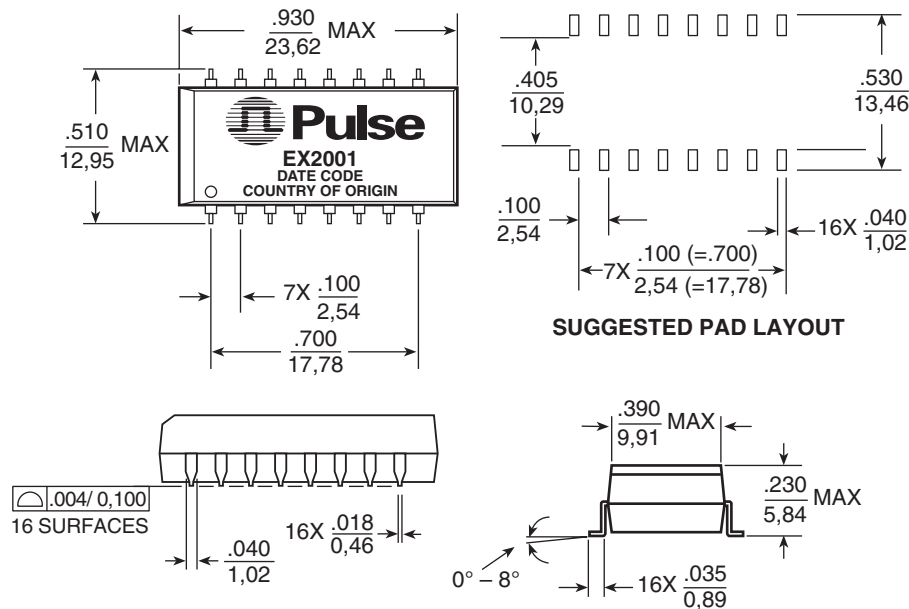
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

Part Number	Insertion Loss (dB MAX)	Attenuation (Transmit) (dB MIN)			Return Loss 5 to 10MHz (dB MIN)		Crosstalk (dB MIN)	Common Mode Rejection (Transmit) (db MIN)					Hi-Pot (Vrms MIN)
	1-10 MHz	30 MHz	50 MHz	100 MHz	100 Ω	98 ±13 Ω	5-10 MHz	5 MHz	10 MHz	50 MHz	100 MHz	200 MHz	
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 $\pm \frac{.010}{0.25}$

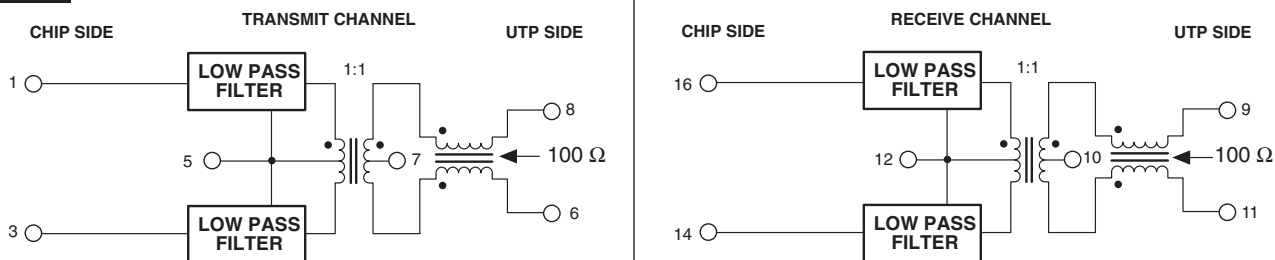
EXTENDED TEMPERATURE SURFACE MOUNT 10BASE-T INTERFACE MODULES



Fully Integrated for Adapter, Hub and
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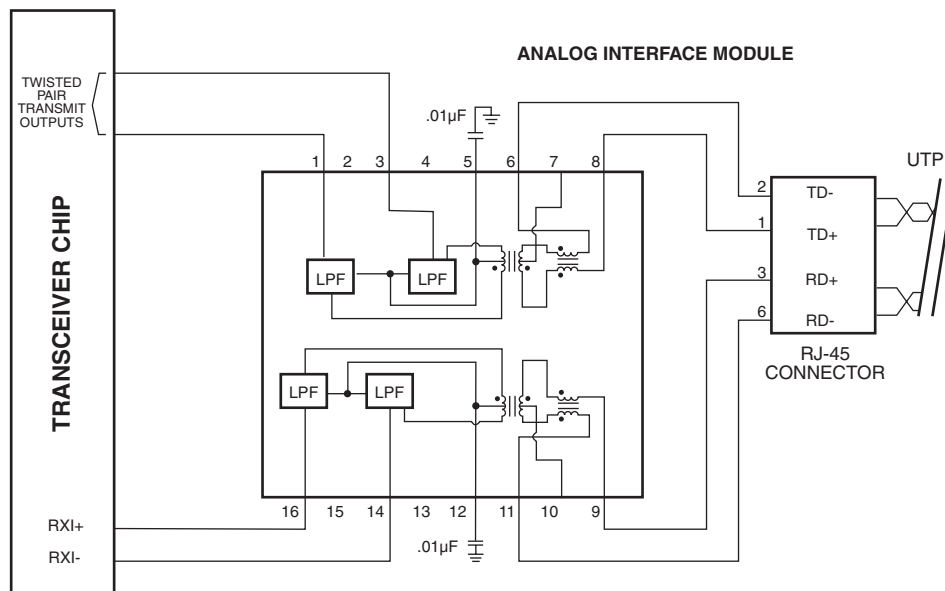
Schematics

EX2001



Typical Application Circuit

EX2001



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