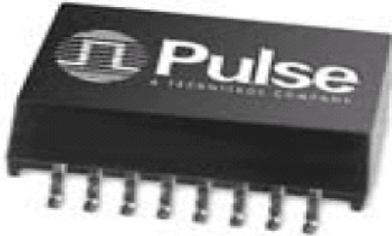






SURFACE MOUNT 10BASE-T INTERFACE MODULES



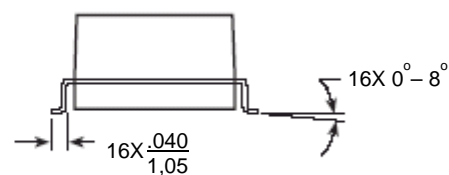
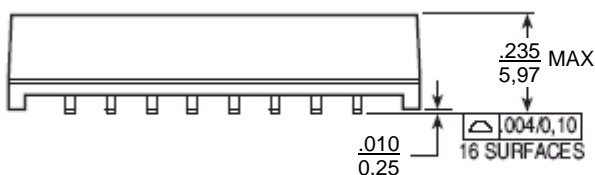
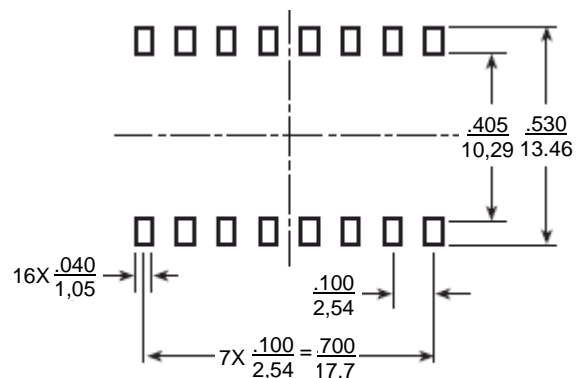
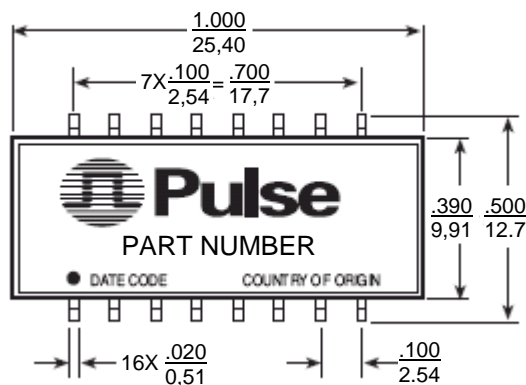
-  Fully integrated for Adapter, Hub and Motherboard Applications
-  Industry Standard SMD Footprint
-  Enhanced performance and Extended Temperature options available
-  Peak Solder Reflow temperature rating 245°C according to IPC/JEDEC J-STD-020C - Table 5-2

Electrical Specifications @ 25oC – Operating Temperature 0°C – 70°C

Part Number ¹	Insertion Loss to 10MHz (dB MAX)	Attenuation (XMIT) (dB MIN)			Return Loss 5 to 100MHz (dB MIN)		Crosstalk (dB MIN)	Common Mode Rejection (XMIT) (dB MIN)					Hi-Pot (Vrms MIN)
		30 MHz	40 MHz	100 MHz	100Ω	98+/-13Ω		5-10MHz	5 MHz	10 MHz	50 MHz	100 MHz	
PE-68025QNL	-6.0	-35	-35	-35	-18	-15	-35	-60	-60	-55	-50	-45	1500
PE-68026QNL	-1.0	-30	-25	-35	-18	-15	-35	-60	-60	-55	-50	-45	1500
PE-68027QNL	-6.5	-35	-35	-35	-18	-15	-35	-60	-60	-55	-50	-45	1500
PE-68056QNL	-1.0	-30	-27	-27	-18	-15	-30	-40	-30	-50	-45	-	1500
E2009QNL	-1.0	-30	-27	-27	-18	-15	-35	-40	-35	-45	-45	-	1500
EX2001QNL	-1.0	-35	-35	-35	-18	-15	-35	-60	-60	-55	-55	-45	1800

Notes: PE-68025QNL and PE-68027QNL have Internal Resistors R1 to R7 fitted. See Schematic and Table on page 2 for values and IC cross Ref. PE-68026QNL and EX2001QNL have no Internal Resistors. The resistors should be fitted close to the IC - see Typical Application below. EX2001QNL has an operating temperature range of -40°C to + 85°C for Industrial Applications

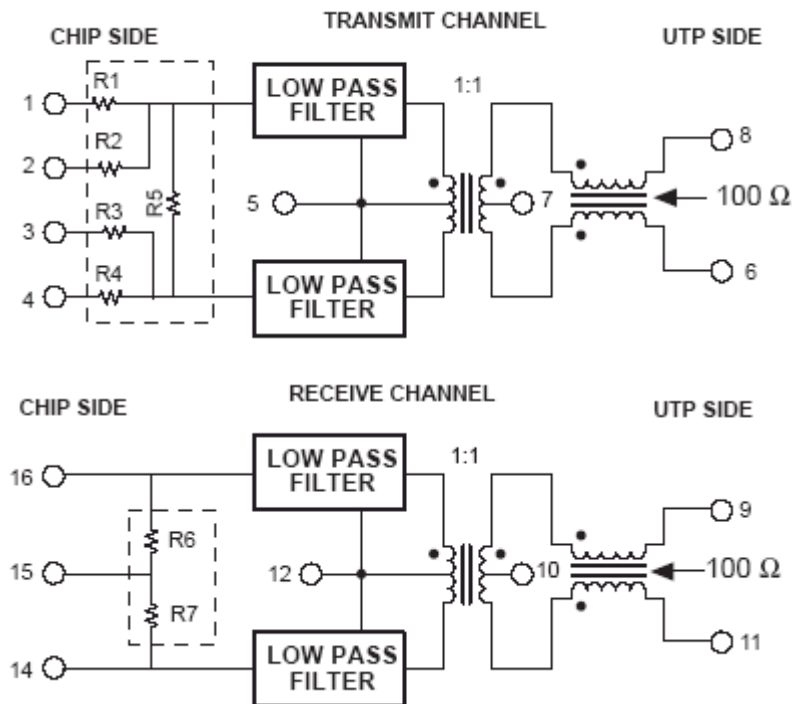
Mechanical



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

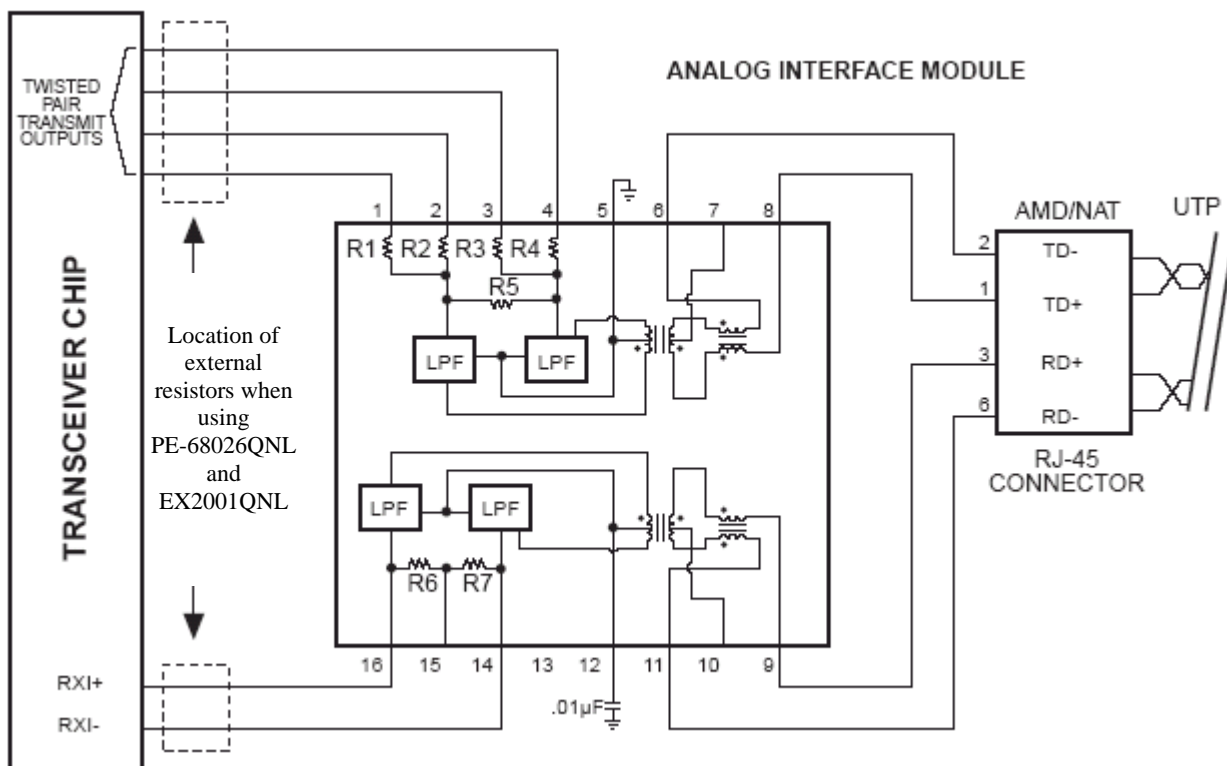
SURFACE MOUNT 10BASE-T INTERFACE MODULES

Electrical Schematic - PE-68025QNL PE-68026QNL PE-68027QNL & EX2001QNL



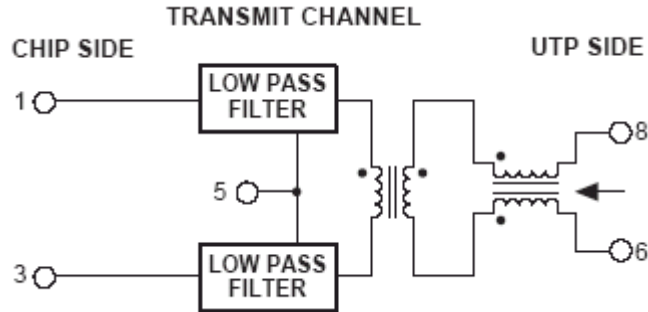
Part Number	IC Manufacturer	R1	R2	R3	R4	R5	R6	R7
PE-67025QNL	AMD	61.9	422	61.9	422	1200	49.9	49.9
PE-68027QNL	National Semi	274	66.5	66.5	274	860	49.9	49.9

Typical Application

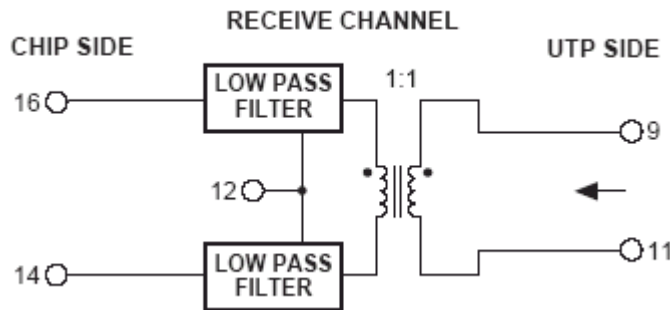


SURFACE MOUNT 10BASE-T INTERFACE MODULES

Electrical Schematic – PE-68056QNL & E2009QNL



NOTE: Transmit Channel turns ratio is 1:1 for PE-68056QNL while for E2009QNL it is 1:1.414



Typical Application

