

- ※Fully Integrated for Adaptor, Hub,  
And Motherboard Applications
- ※Add Suffix NL For RoHS Compliant
- ※RoHS NI peak solder rating 235°C

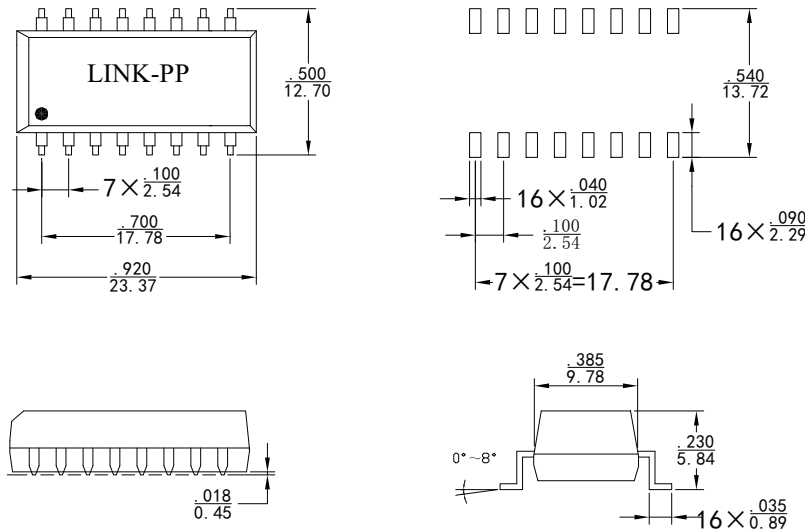


## Electrical Specifications @25°C--- Operating Temperature 0°C to +70°C

Part Number	Insertion Loss to 10 MHz (dB MAX)	Attenuation (XMIT) (dB MIN)			Return loss 5 to 10MHz (dB MIN)		Crosstalk (dB MIN) 5-10MHz	Common Mode Rejection (XMIT) (db MIN)					Hi-Pot (Vrms MIN)
		30MHz	40 MHz	100 MHz	100 Ω	98±13 Ω		5MHz	10MHz	50MHz	100MHz	200MHz	
LP88025	-6.0	-35	-35	-35	-18	-15	-35	-60	-60	-55	-50	-45	1500
LP88026	-1.0	-30	-35	-35	-18	-15	-35	-60	-60	-55	-50	-45	1500
LP88027	-6.5	-35	-35	-35	-18	-15	-35	-60	-60	-55	-50	-45	1500
LP88056	-1.0	-30	-27	-27	-18	-15	-30	-40	-30	-50	-45	--	1500
LP2001	-5.5	-30	-30	-35	-18	-15	-30	-35	-30	-55	-50	--	1500
LP2003	-6.0	-30	-27	-27	-18	-18	-35	-40	-35	-45	-30	--	1500
LP2007	-5.0	-30	-35	-40	-18	-15	-25	-35	-30	-55	-50	--	1500
LP2009	-1.0	-30	-27	-27	-18	-15	-35	-40	-35	-45	-45	--	1500

## Mechanical

### LP880XX,LP200X



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
 Unless otherwise specified,  
 all tolerances are  $\pm 0.025$

# Surface Mount 10Base-T Interface Modules

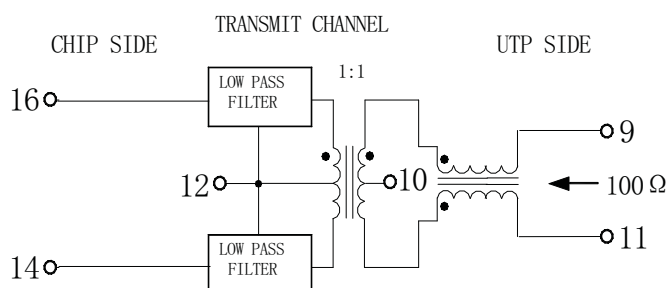
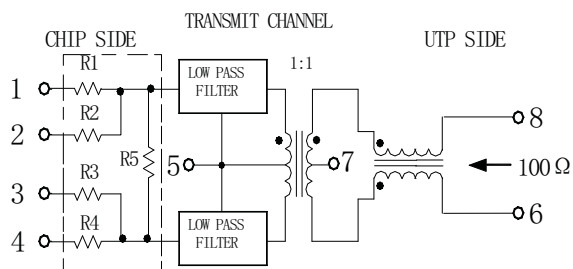
Link-PP Int'l Technology

## Resistor Values(Ω)

Part Number	IC Manufacturer	R1	R2	R3	R4	R5	R6	R7
LP88025	AMD	TXD(+)=61.9	TXP(+)=422	TXD(-)=61.9	TXP(-)=422	1.2K	RX(+)=49.9	RX(-)=49.9
LP88026	Various	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LP88027	National	TXOD(-)=274	TXO(+)=66.5	TXO(-)=66.5	TXOD(+)=274	806	RX(+)=49.9	RX(-)=49.9

## Schematics

### LP88025,LP88026, LP88027



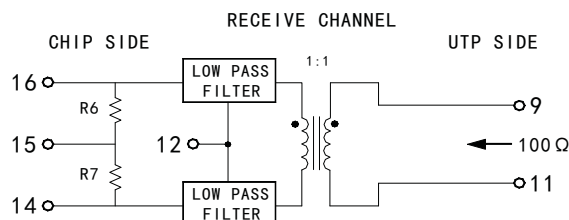
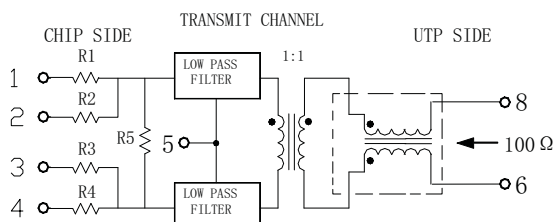
NOTE:LP88026 does not contain resistors .They are an external configuration.

## Resistor Values(Ω)

Part Number	IC Manufacturer	R1	R2	R3	R4	R5	R6	R7
LP2001	National	348.0	53.6	53.6	348.0	806	49.9	49.9
LP2003	AMD	61.9	422.0	61.9	422.0	1,210	49.9	49.9
LP2007	Motorola	39.0	N/A	39	N/A	N/A	49.9	49.9

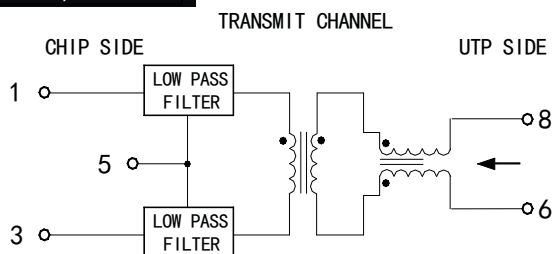
## Schematics

### LP2001, LP2003, LP2007

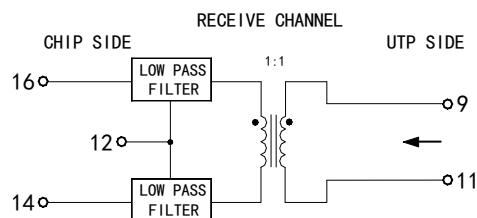


NOTE: Common Mode Choke on transmit channel for LP2001 and LP2003.

### LP2009,LP88056



Turns Ratio for Transmit: LP88056 is 1:1; LP2009 is 1:1.414.



NOTE: The LP88056 is designed for use with most transceivers requiring a turns ratio of 1:1 on transmit. The LP2009 is designed for use with DEC and most other transceivers requiring a turns ratio of 1:1.414 on transmit.