

KSZ8041NL

KSZ8041NL 是 Micrel 公司推出的一款单片单端口 10/100M-TX 以太网网络芯片，该芯片同时支持 MII (媒体独立接口)和 RMII(简化的媒体独立接口)，其独特的混合信号设计能有效延长信号传输距离。

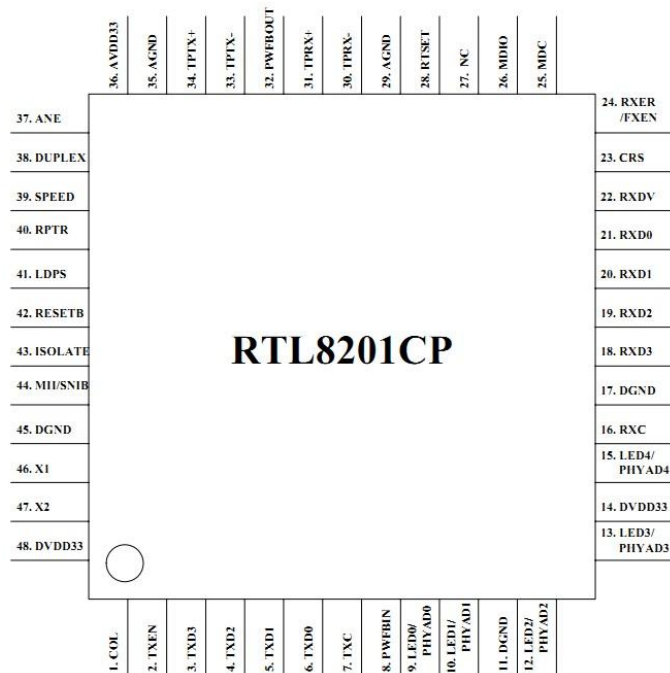
KSZ8041NL 的采购信息如下：

Part Number	Temp. Range	Package	Lead Finish	Description
KSZ8041NL	0°C to 70°C	32-Pin MLF [®]	Pb-Free	Commercial Temperature Device
KSZ8041NLI ⁽¹⁾	-40°C to 85°C	32-Pin MLF [®]	Pb-Free	Industrial Temperature Device
KSZ8041NL AM ⁽¹⁾	-40°C to 85°C	32-Pin MLF [®]	Pb-Free	Automotive Qualified Device

KSZ8041NL 的主要功能特性包括：

- 1、Single-chip 10Base-T/100Base-TX physical layer solution
- 2、Fully compliant to IEEE 802.3u Standard
- 3、Low power CMOS design, power consumption of <180mW
- 4、HP auto MDI/MDI-X for reliable detection and correction for straight-through and crossover cables with disable and enable option
- 5、Robust operation over standard cables
- 6、Power down and power saving modes
- 7、MII interface support
- 8、RMII interface support with external 50MHz system clock
- 9、MIIM (MDC/MDIO) management bus to 6.25MHz for rapid PHY register configuration Interrupt pin option
- 10、Programmable LED outputs for link, activity and speed
- 11、ESD rating (6kV)
- 12、Single power supply (3.3V)
- 13、Built-in 1.8V regulator for core
- 14、 Available in 32-pin (5mm x 5mm) MLF[®] package

KSZ8041NL 的管脚图如下：



KSZ8041NL 的功能框图如下：

