

Reference Design

Microchip LAN9512 USB - Ethernet Controller Networking USB/LAN

LAN9512	
Networking USB / LAN	High Speed USB Ethernet Controller for Device Communication. Mainly for PC Environment Device Communication.
Communication Standards	IEEE 802.3 10 BASE-T and IEEE 802.3u 100 BASE-TX compliant
Power save Modes Implemented	Supports some Power Management wake-up features, for different Power Consumption
Operating Temperatur Range	0°C to +70°C -40°C to +85°C
Application	<ul style="list-style-type: none"> • Desktop PCs • Notebook PCs • Printers • Game Consoles • Embedded Systems • Docking Stations

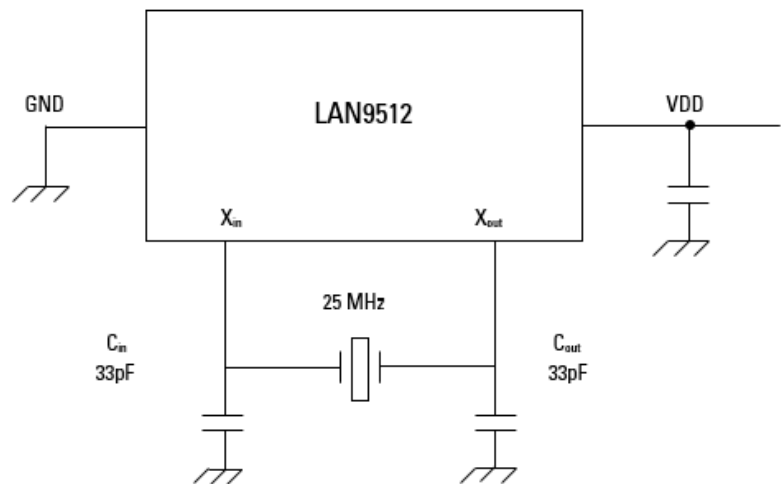
Temperature Range for the listed crystals: -40°C to +85°C (Other Temperature Ranges are available)

CL = Load Capacitance, for which the tolerance of the Crystal is trimmed. An additional capacitance of 4pF for each Pin (C-Stray) of the Quartz is used to calculate C_{in} and C_{out} .

Geyer Crystal 25MHz

CL=20pF

Size (mm)	Type	Part No.
2.0 x 1.6	KX-5T	12.85588
3.2 x 2.5	KX-7T	12.88468



Please contact us to find the right crystal.
You are welcome, to send us your device,
and we will Test in our D+T Center,
if the oscillaton works well
at your conditions and over temperature.

Caution:

The evaluation results above be used as a reference. The circuit characteristics may differ depending on the board properties. Therefore the end selection of the crystal should be done based on the actual circuit board.