

Highlights

Product Families:

PicoPLL
PL611s-xx

Featured PhaseLink

Products:

PL611s-26
PL611s-27

Applications:

Mono Bluetooth Headsets



Stereo Bluetooth Headsets



Packaging Options:

DFN-6L

2.0 x 1.3 x 0.6mm

SC70-6L

2.3 x 2.25 x 1.0mm

SOT23-6L

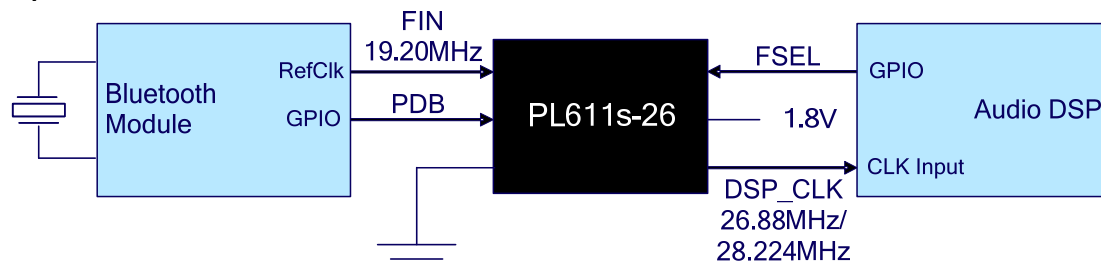
3.0 x 3.0 x 1.35mm

PhaseLink's PicoPLL is an ideal solution for Bluetooth Headset designs.

PhaseLink's PicoPLL family offers the worlds smallest programmable clock IC's and are ideal for space conscious designs. Available in a 2 x 1.3 x 0.6mm 6-pin DFN, these highly flexible devices provide a cost effective, space savings alternative to standard crystals and oscillators.

Bluetooth headsets are an example of small form-factor designs where our PL611s products are seeing great success. The PicoPLL's small size, low power and low cost make it an obvious choice for this and other space challenged designs. Below are some examples of Bluetooth headset design solutions PhaseLink is providing.

Example 1

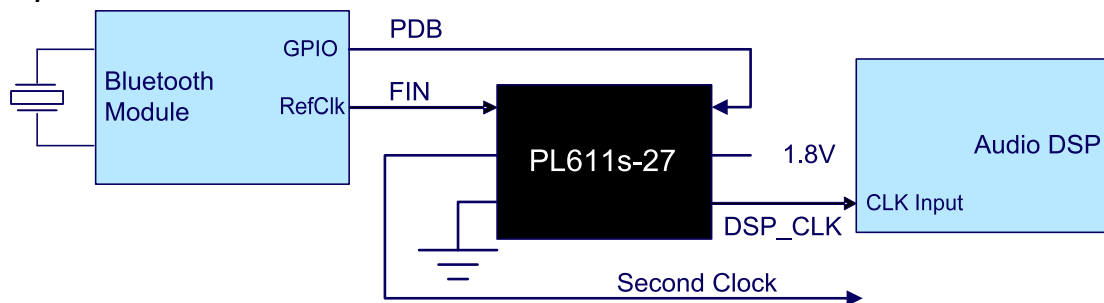


◆ PicoPLL (PL611s-26) Advantages

- Ultra Small Footprint – 2.0 x 1.3 x 0.6mm ONLY 2.6mm²
- Ultra Low Power – 1.8V ±10%, <1.25mA Typical
- Power Down mode (PDB) - <2uA typical in sleep mode
- Selectable Frequency Output – any two frequencies up to 133MHz

Dedicated Frequency Select capability allows two levels of audio processing

Example 2



◆ PicoPLL (PL611s-27) Advantages

- Ultra Small Footprint – 2.0 x 1.3 x 0.6mm
- Ultra Low Power – 1.8V ±10%, <2.0mA Typical
- Power Down mode (PDB) - <2uA typical in sleep mode
- Two clock outputs to support additional clocking requirements

Replaces two crystal/oscillator footprints (16mm² using 3.2x2.5mm) with one 2.6mm² IC

You can find more Bluetooth headset examples in our Marketing Resource Center by logging in at www.phaselink.com/login.asp.