

Features

- Frequency Range: 0.1 μ Hz-1000kHz
- Frequency Resolution: <0.1Hz at 1Hz-100kHz
10 or 100 steps/decade at lower ranges
- Measured Impedance Range: 8K-3.2M Ω
- Measured Impedance Accuracy: 0.5%
- PCB Dimensions: 25.4(1) x 16.8(0.66) mm(in)

Applications

- DNA/Protein Sensing
- Electrochemical Sensing
- Environmental Monitoring

Description

The eIMP-I measures the complex impedance of a device under test using the flow of an alternating current over a range of frequencies.

Block Diagram

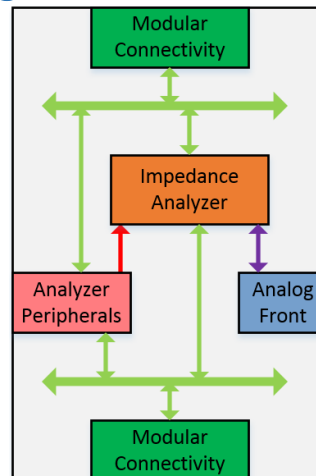


Fig. 1, Top level system diagram

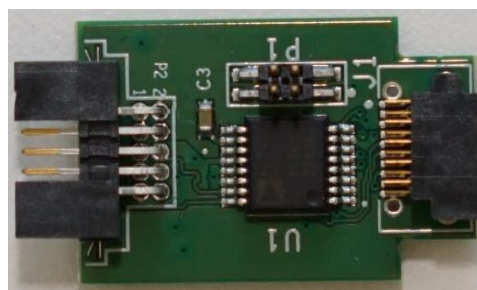


Fig. 2, eIMP-I PCB board (top view)