

SIVI-LICH5V1A

TSMC 180nm – 5V (1P6M)



MAIN FEATURES

- Designed on TSMC 180nm
- Fully Integrated, High-Efficiency Charger for Single Cell Lithium Ion and Lithium Polymer battery Packs
- Charge Voltage Worst Case Accuracy of +/- 2%
- ±10% Charge Current Regulation Accuracy
- 20V Absolute Maximum Input Voltage
- 1A Maximum Charge current
- Programmable through I²C Interface with Fast Mode(400kHz) Compatibility
 - Input Current
 - Fast-Charge / Termination Current
 - Charger Voltage
- Safety Timer with Reset Control
- Weak Input Sources Accommodated by Reducing Charging Current to Maintain Minimum VBUS Voltage
- Operational temperature range from -40°C to 125°C

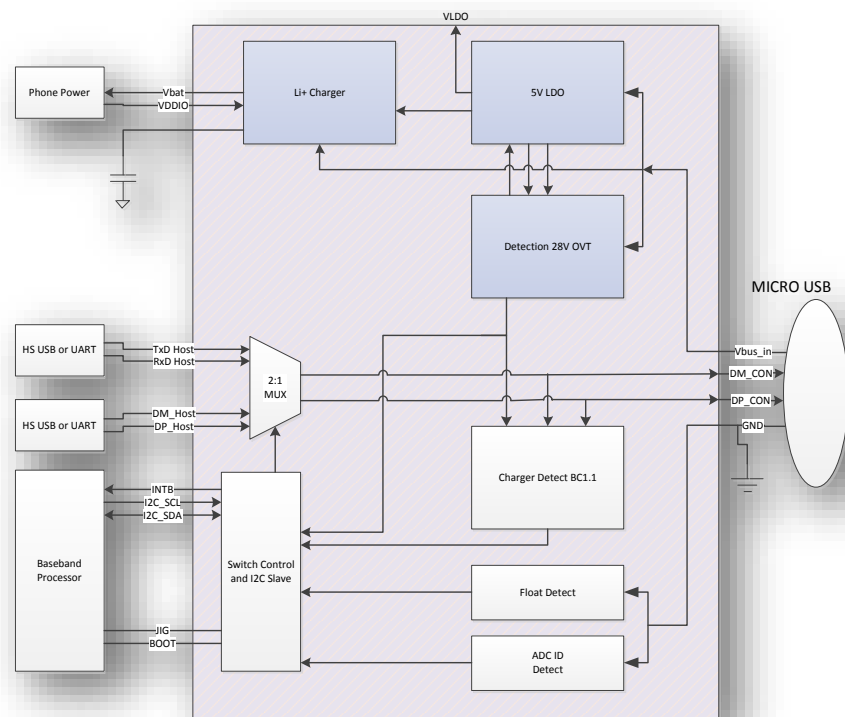
IP DESCRIPTION

Silicon Vision's SiVi-LiCH5V1A is a Lithium ion charger with integrated switch. The device is compliant to USB1.1 battery charging specification and detect standard USB chargers and charging downstream ports.

SiVi-LiCH5V1A is ready on 180nm – 5V TSMC process.

APPLICATIONS

- Li-Ion Battery Chargers



Block Diagram for SiVi-LiCH5V1A



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