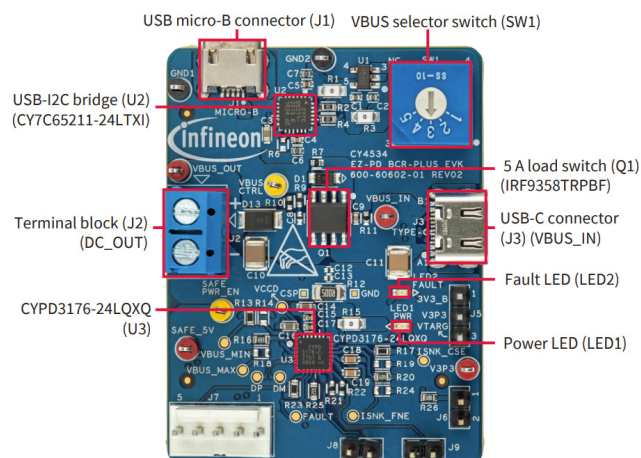


Product brief

CY4534 EZ-PD™ Barrel Connector Replacement-Plus (BCR-Plus) evaluation kit

The CY4534 EZ-PD™ Barrel Connector Replacement-Plus (BCR-Plus) evaluation kit is an evaluation platform for customers who want to replace an existing barrel/power input connector with a USB-C connector. Implementing this solution in an end-product allows the system to be powered by any USB-C compliant power adapter.

EZ-PD™ BCR-PLUS kit CY4534



Applications

- › Smart speakers
- › Power tools
- › Wearables
- › Personal care products
- › AR/VR headsets
- › Digital cameras
- › Game consoles
- › Portable navigation
- › E-Readers
- › IoT devices
- › Drones and robots
- › Other portable electronics



Key features

- › Supports USB Type-C and USB-PD Programmable Power Supply (PPS)
- › Supports 2.4 A and legacy charging standards
- › UFP-only with configurable RD and RD-DB
- › Integrated analog blocks
- › 30 V-tolerant regulator
- › V_{BUS}-to-CC short protection
- › On-chip overvoltage protection (OVP) and overcurrent protection (OCP)
- › Packages: 24-pin QFN
- › Supports extended industrial temperature range (-40 °C to +105 °)

Key benefits

- › Replacement of barrel connectors
- › USB Type-C and power delivery 3.1 programmable power supply
- › No expert knowledge of USB-C or USB Power Delivery required
- › Interoperable with any USB-C chargers or charging ports
- › USB-IF certified with market-proven USB PD stack, ensuring spec compliance and interoperability
- › Supports all USB-PD profiles commonly used in USB-C power adapters and requires no firmware development
- › Minimizes BOM cost for a USB-C power-sink system

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