



PolarFire™ Splash Kit

Cost-Effective Evaluation of High-Performance Features of the PolarFire FPGA

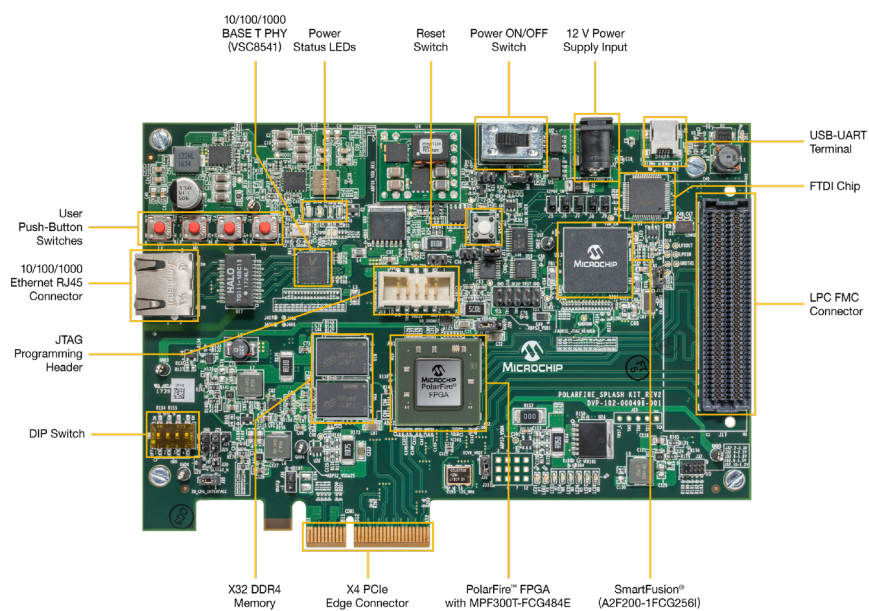
Summary

The PolarFire™ Splash kit is a lower-cost development board, which still supports high-speed protocols, and on-board power measurement. This kit comes enabled with connections for PCIe®, Gigabit Ethernet RJ45, USB and LPC FMC connector.

The Splash kit offers easy design, demonstration, and evaluation for broad-based commercial and industrial applications. It supports high-speed interface and protocol development, as well as offers on board power measurement.

Key Features and Specifications

- PolarFire 300K LE PolarFire FPGA in an FCG484 Package (MPF300T-1FCG484E)
- Interfaces
 - PCI Express (x4) edge connector
 - FMC Connector (LPC)
 - RJ45 port with 1 Gigabit Ethernet VSC8541 1-port PHY with RGMII interface
- Memory and storage
 - x32 DDR4
 - 1 Gb SPI Flash memory
- Programming and debugging
 - USB for UART interface and programming
 - JTAG and SPI programming interface
- NX7102IDETR and LX7167CLD switching regulators
- On-board power monitoring



Kit Contents

1	PolarFire™ Splash Kit Board with MPF300T-1FCG484E Device
1	12V Power Pack/AC Adapter
1	USB 2.0 A male to Mini-B
1	QuickStart Card

Kit Name	Part Number
PolarFire™ Splash Kit Board	MPF300-SPLASH-KIT

For more information on the PolarFire Splash kit, visit microchip.com

PolarFire Splash Kit Block Diagram

