

TDK μ POL™ Evaluation Boards Summary

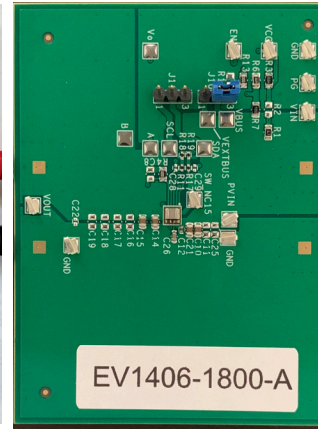
Products: FS1412, FS1406, FS1404, FS1403, FS1703 and Programming Dongles

Each evaluation board contains a users design guide for general operation and specifications for typical use case, PCB board design, Build of Materials, schematics, start up and fault condition test, DC/AC and ripple performance, efficiency and losses, and load regulation. Thermal performance evaluation is also provided.

Six standard evaluation boards are shown for the FS1412, FS1406, FS1404 & FS1403 to show each of TDK's chip embedded power modules. **The users guide report can be downloaded at www.tdk.com/POL, see under Part No. List tab.**



EV1406-0600-A



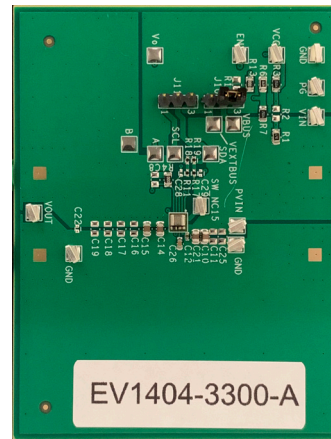
EV1406-1800-A



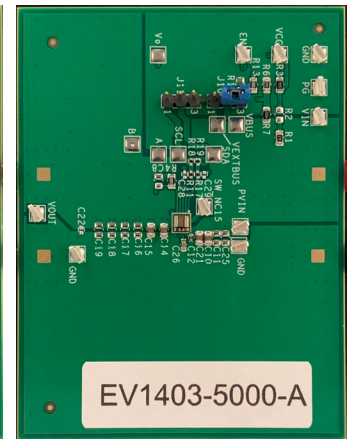
EV1703-3300-A

| Ordering Code | Device | Description |
|---------------|-------------|---|
| EV1412-0600-A | FS1412-0600 | FS1412-0600 in voltage divider (0.6V to 1.8V / 12A) |
| EV1406-0600-A | FS1406-0600 | FS1406-0600 in voltage divider (0.6V to 1.8V / 6A) |
| EV1406-1800-A | FS1406-1800 | FS1406-1800, Vout 1.8V up to 6A |
| EV1404-3300-A | FS1404-3300 | FS1404, Vout 3.3V up to 4A |
| EV1403-5000-A | FS1403-5000 | FS1403, Vout 5.0V up to 3A |
| EV1703-3300-A | FS1703-3300 | FS1703, Vin = 5Vin; Vout = 3.3V / 3A |

TDK currently has two programming dongles. These programming dongle are optional for applications wanting to use the modules for digital power designs using either I2C or PMBus. Register set and I2C/PMBus command set information can be downloaded under **Tech Notes** tab at www.tdk.com/POL. See table below for corresponding use case.



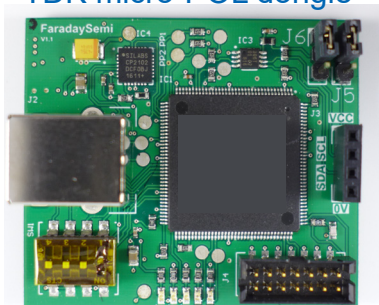
EV1404-3300-A



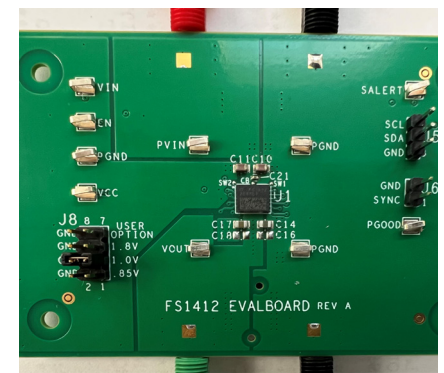
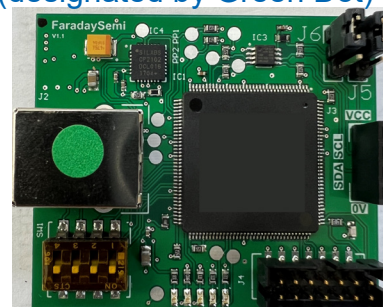
EV1403-5000-A

| Ordering Code | Devices | Description |
|----------------------|---|---|
| TDK micro-POL dongle | FS1406, FS1404, FS1403 (I2C only) | This dongle used with ControlCenter GUI. Download GUI and Manual at www.tdk.com/POL , see under Technical Support Tools. |
| TDK-PMBus-I2C dongle | FS1412 (PMBus and I2C) FS1406, FS1404, FS1403 (I2C only) | This dongle used with CondUlt GUI. Download GUI and Manual at www.tdk.com/POL , see under Technical Support Tools. |

TDK micro-POL dongle



TDK-PMBus-I2C dongle (designated by Green Dot)



EV1412-0600-A