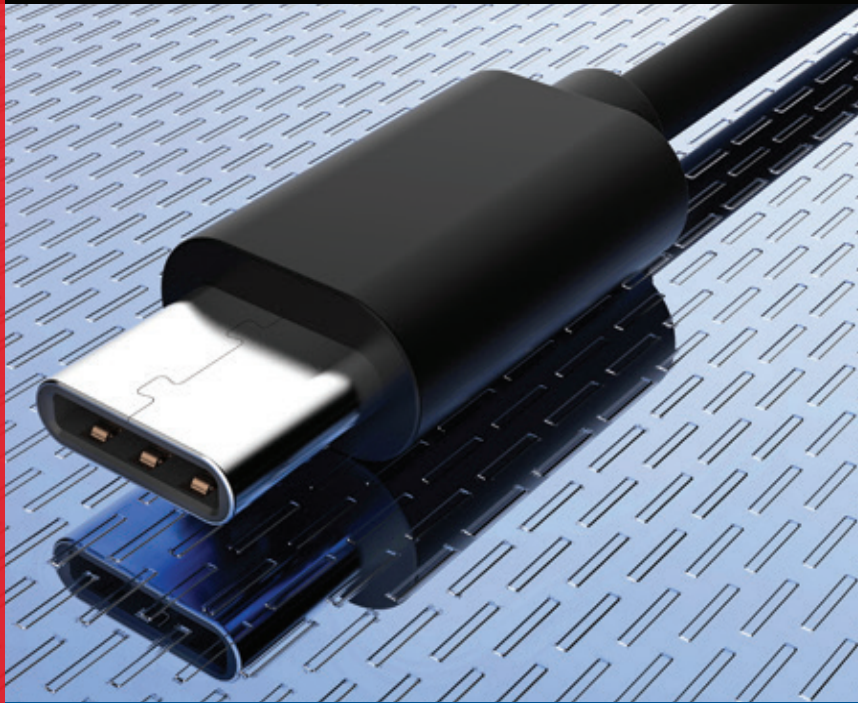


CYPRESS

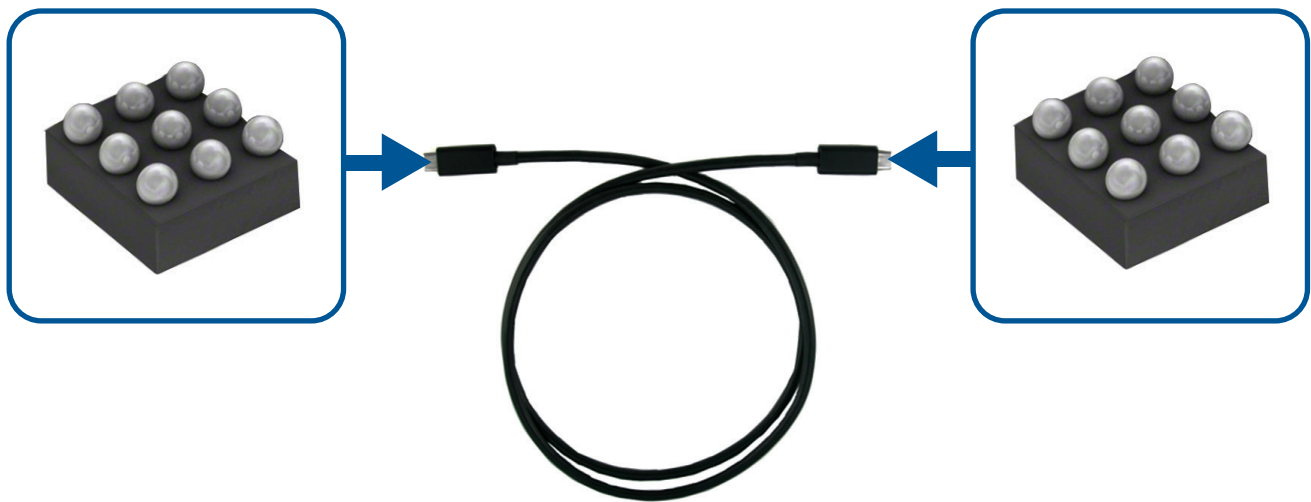
EZ-PD™ CMG1: USB POWER DELIVERY CONTROLLER FOR USB-C™ ELECTRONICALLY MARKED CABLE ASSEMBLY (EMCA)

EZ-PD™ CMG1 is a cost-effective, small-footprint, fully compliant USB-C EMCA solution that reduces BOM. EZ-PD CMG1 integrates a complete Type-C transceiver, including the RA termination resistors on VCONN pins. EZ-PD CMG1 is targeted for passive EMCA implementations with either one or two e-marker chips on the cable.



FEATURES

- Supports USB PD 3.0 and USB Type-C version 1.3 specifications
- Integrated VBUS-to-CC and VBUS-to-VCONN short protection
- Integrated 40 bytes for storing vendor- and cable-specific configuration data
- Termination resistor RA on VCONN1 and VCONN2
- Supports RA weakening to reduce power consumption
- IEC ESD protection on VCONN and CC
- Wide operating voltages: 2.7 V – 5.5 V
- Package: 9-ball WLCSP (1.35 x 1.35 mm)



A USB TYPE-C CABLE WITH A CONTROLLER ON BOTH ENDS OF THE CABLE

LOGIC BLOCK DIAGRAM

