EVAL Kit Quick Start Guide

KTU1108

USB Type-C Protector for CC Pins

EVAL Kit Physical Contents

Item #	Description	Quantity
1	KTU1108 EVAL fully assembled PCB	1
2	Anti-static bag	1
3	Quick Start Guide, printed 1 page (A4 or US Letter)	1
4	EVAL Kit box	1

QR Links for Documents

IC Datasheet	EVAL Kit Landing Page
https://www.kinet-ic.com/KTU1108/	https://www.kinet-ic.com/ktu1108efaa-mmev01/

User-Supplied Equipment

Required Equipment

1. Bench Power Supplies for VIN and VCC1/2, 0 to 5.0V variable with a 1A or more capability, as needed for the intended application.
2. Digital Multimeters – one or more, used to measure input/output voltages and currents.

Quick Start Procedures

1. Before connecting the EVAL Kit board to the VIN bench supply, turn on the supply and adjust the voltage as close to 0V as possible. Then turn off or disable the supply output. While off, connect power supply test leads to the power supply output.
2. Connect the power supply positive test lead to the eval board VIN terminal and the negative or ground lead to the GND terminal.
3. Turn on the VIN bench supply and very slowly ramp the output voltage to an appropriate level for the intended system, typically between 3.0V and 5.0V. While ramping VIN slowly, use the bench supply's output current indication (or a digital multimeter) to monitor the VIN current. If the current becomes high, reduce the VIN voltage quickly to prevent damage, then inspect the setup for any wiring errors.
4. With a valid VIN voltage to enable the KTU1108 IC, use a digital multimeter to check the resistance between the CC1 to CC1S pins or the CC2 to CC2S pins. When powered, the resistance from CC1 to CC1S or CC2 to CC2S should be less than 1Ω.
5. With the VIN power supply disabled or turned off, the CC switches should be open or high impedance. Measured resistance between CC1 to CC1S or CC2 to CC2S should be greater than 1MΩ.