

Analog and Discrete Power Solutions

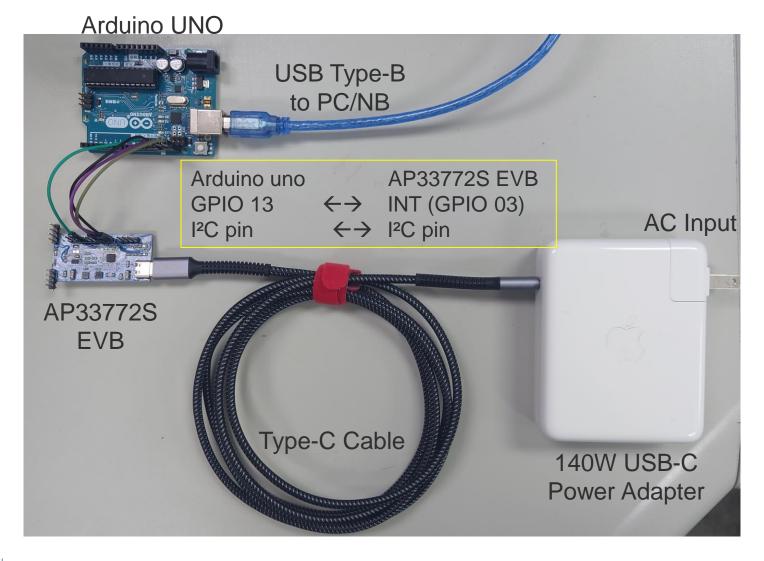
I²C Master Sample Code Introduction for AP33772S

Charging PL 2023/10/11



Outline

- 1. Hardware Environment
- 2. Sample Code List & Function Description
- 3. Functional Test Cases for Sample Code



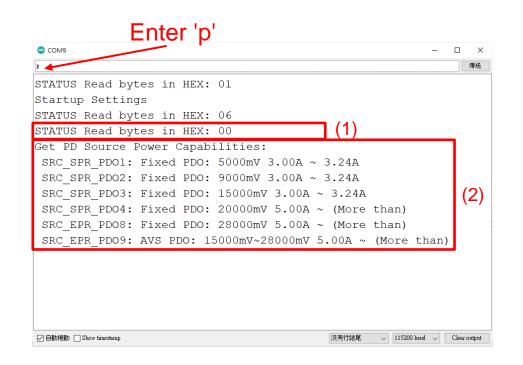


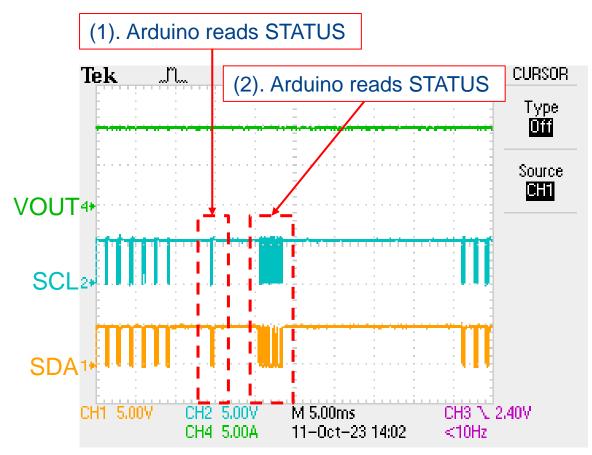
For Hardware Environment setup steps, please refer to the <u>AP33772S EVB User Guide</u>.

Sample Code List & Function Description

Name	Sample Codes	Description
PDO Query	AP33772S_PDO_Query	Queries all PDO information
PDO Send	AP33772S_PDO_Send	Reports all PDO information Sends out PDO request specified by user
PDO Switch	AP33772S_PDO_Switch	Report all PDO information Switch voltages PDO 1 and PDO2 processing
State Query	AP33772S_State_Query	Reports voltage, current, and temperature information
Startup Configuration	AP33772S_Startup_Configuration	Startup Set Configuration (0x02, 0x04, 0x05, 0x16 - 0x1C)

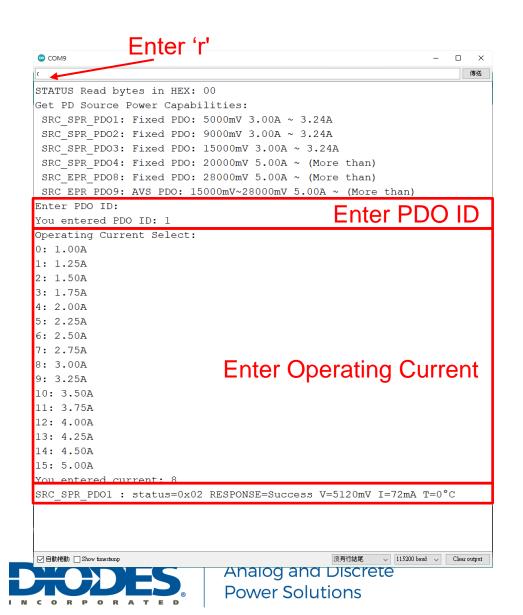
Functional Test Cases: PDO Query

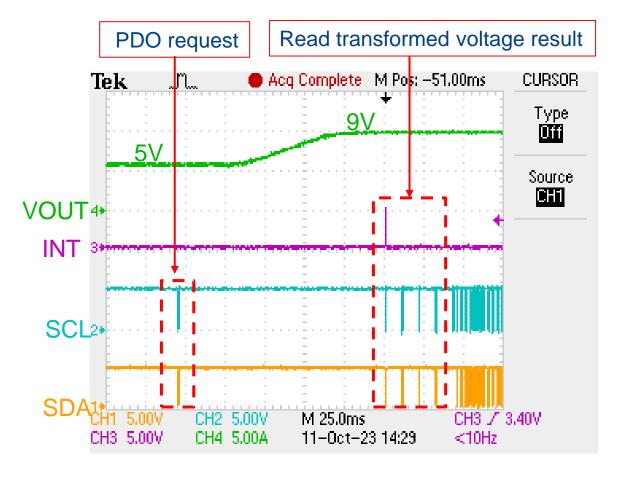




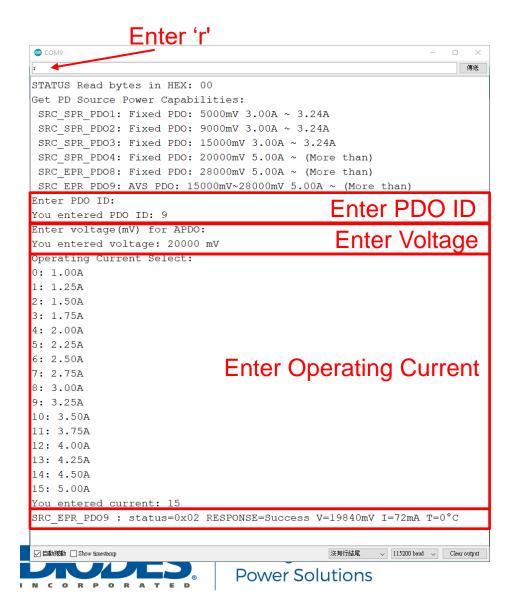


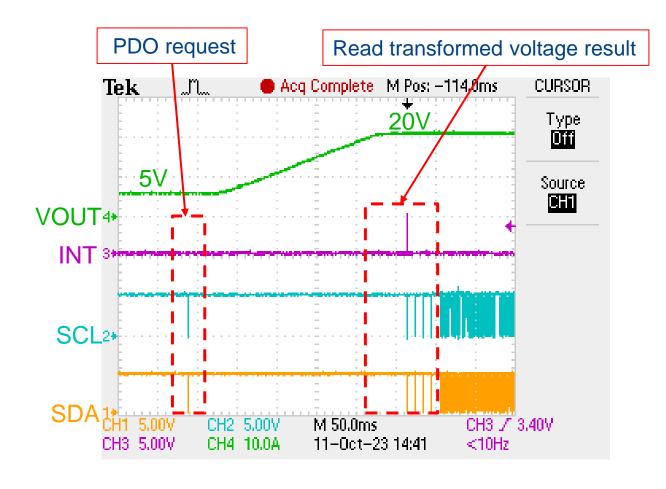
Functional Test Cases: PDO Send (Fixed)

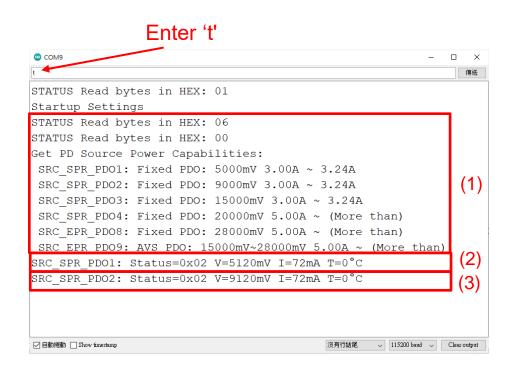


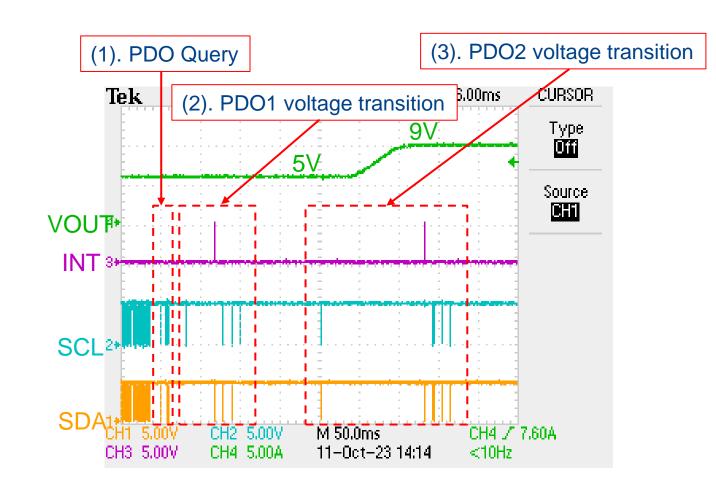


Functional Test Cases: PDO Send (AVS)



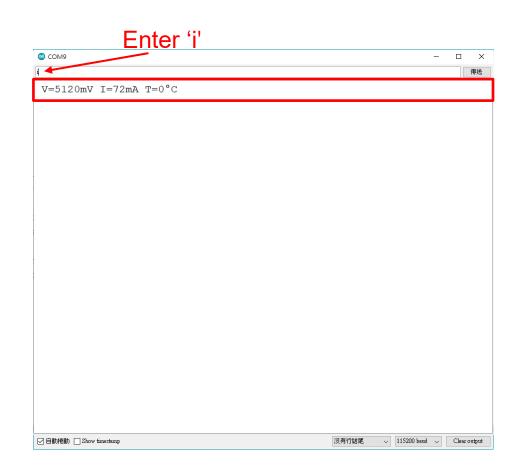


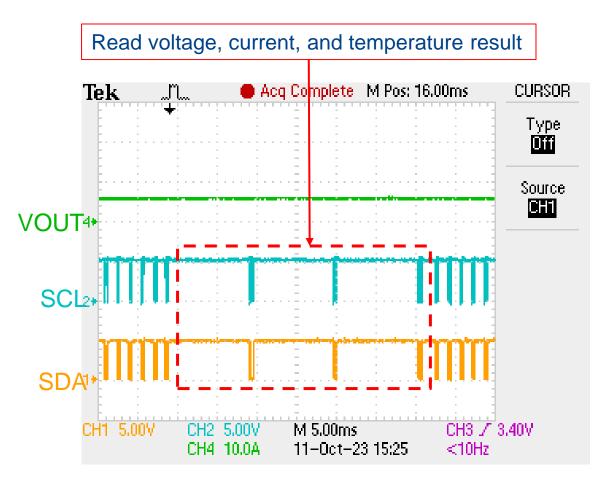




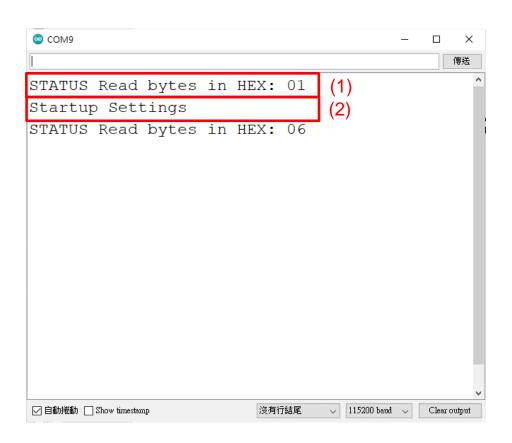


Functional Test Cases: State Query









(1). After Source Attach Sink, Arduino reads STATUS (STARTED=1).

