

1

2

3

4

↓

5

6

DWG NO

Volta

SH

1

8

REV

DESCRIPTION

DATE

APPROVED

-

-

-

-

-

-

1. INTERPRET PER ASME Y14.100M.

2. PART NUMBERS SHOWN ARE FOR REFERENCE ONLY.

3. INFORMATION IN PARENTHESIS IS FOR REFERENCE ONLY.

4. UNLESS OTHERWISE SPECIFIED,

A. RESISTOR VALUES ARE IN OHMS.

B. CAPACITOR VALUES ARE IN MICROFARADS.

C. INDUCTOR VALUES ARE IN MICROHENRIES.

5. FOR SEPARATE PARTS LIST, SEE

Volta-BOM\_(01).xlsx

1

2

3

4

↑

5

6

7

8

MATERIAL:

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING  
UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN  
TOLERANCES:  
.X +/- 0.1  
.XX +/- 0.01  
.XXX +/- 0.001

ALL SHEETS ARE THE  
SAME REVISION STATUS

DFTG

ENG

MECH

MFG

K. KIDD

K. KIDD

\*

\*

-

-

\*

\*

TITLE:

SCHEMATIC, CCA,  
Volta  
Lab Bench Supply

SIZE

DRAWING NUMBER

REV

D

Volta

01

SCALE

N/A

SHEET 1 OF 3

A

B

C

D

A

B

C

D



## USB Interface

## Isolated USB to UART Communication

## System Power Supplies



**NOTE**  
DC IN: 15V 1.5A  
Class 2 SPMS

Use low power op amp (+3.3V)

CCSH-W10R-04TR-BK-A  
Front Panel Interface Connector

GND



**NOTE**  
50kHz PWM DAC  
0-0.5V DC Output  
0-1A Current Lim

# STM32G030K8T6 Microcontroller Unit



## Power Supply Output and Control

DWG NO		Volta		SH	2	8
REVISION HISTORY						
REV	DESCRIPTION				DATE	APPROVED
	SEE SHEET 1					

SIZE	DRAWING NUMBER	REV
D	Volta	01
SCALE		SHEET 2 OF 3

