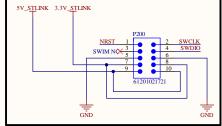
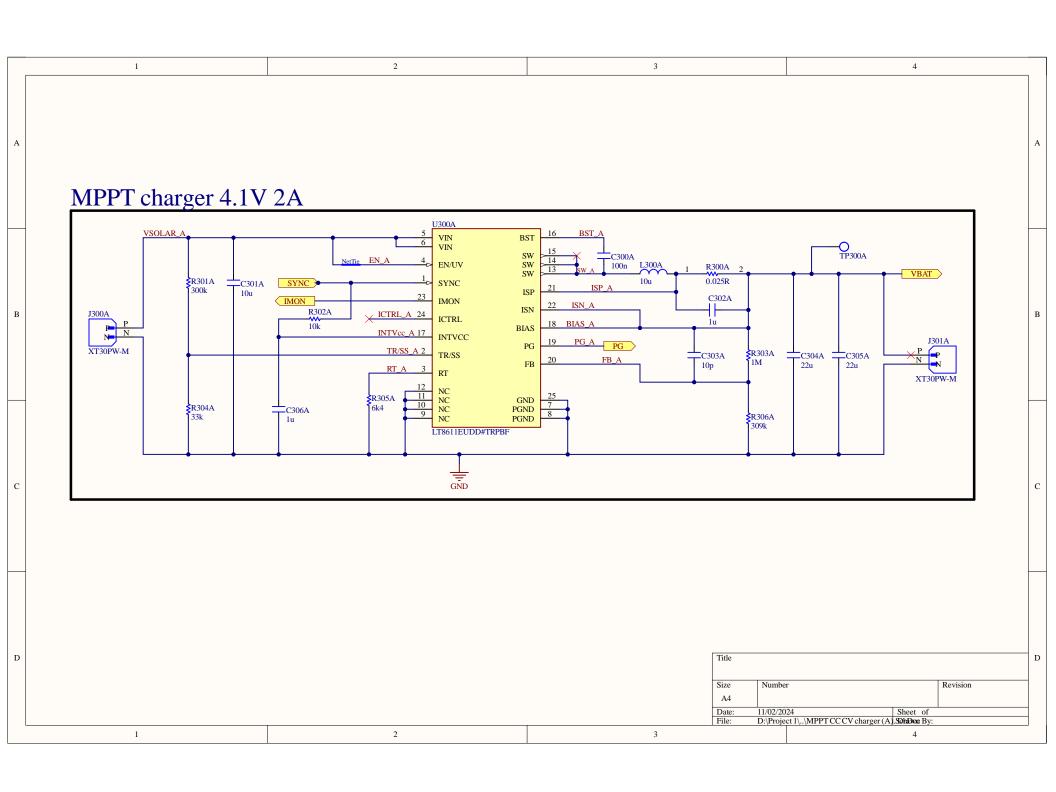
Voltage divider R200 10k uC power supply VBAT2_DIV VBAT1_DIV R203 33k 3.3<u>VD</u>DA 3<u>.3</u>V 3.3VDDA U200B 32 VDD 48 VDD VDD VDD VSS 63 63 C201 100n C202 100n C203 100n C204 100n VDDA VSSA Reset & user buttons STM32F405RGT6 R205 10k NRST_NDB_R207 NRST_NDB_R208 NRST NRST_NDB_R209 NRST NRST 100R uC U200A SW200 SW202 MNT 2 MNT 1 MNT 2 MNT 1 MNT 2 MNT 1 21- B PB8 62 PB9 99 PB10 30 99 PB11 33 PB12 PB12 PB13 35 PB14 PB15 PB15 UART AS 49
PA9
PA10 49
PA11 49
PA11
PA12
PA13
PA15 50
PA16 TICK-SWCLK)
PA15 (JTDI) Programming connector 5 OSC_IN 6 OSC_OUT PH0-OSC_IN(PH0) PH1-OSC_OUT(PH1) 5V_STLINK 3.3V_STLINK .60 BOOT0 BOOT0 GND GND NRST C211 20p DCII 57 PCII VC
USER BUTTON 1 PCI4-OSC32_IN(PCI4)
PCI5-OSC32_OUT(PCI5) VCAP_1 31 VCAP_1 VCAP_2 47 VCAP_2

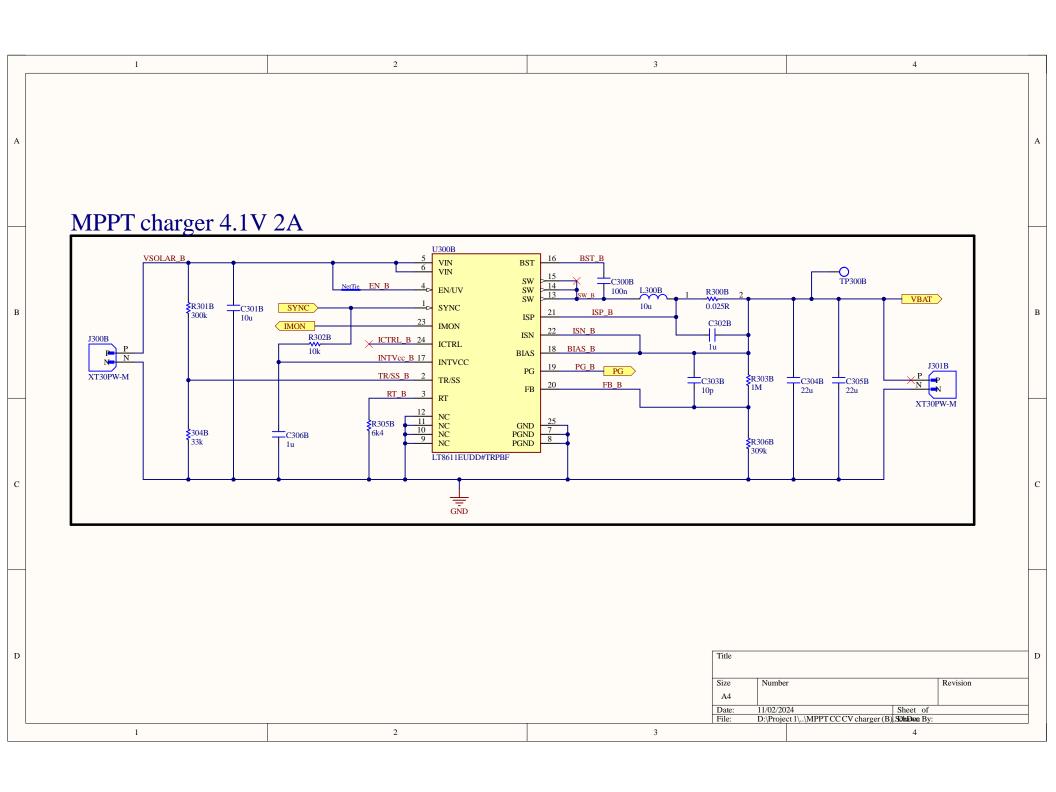


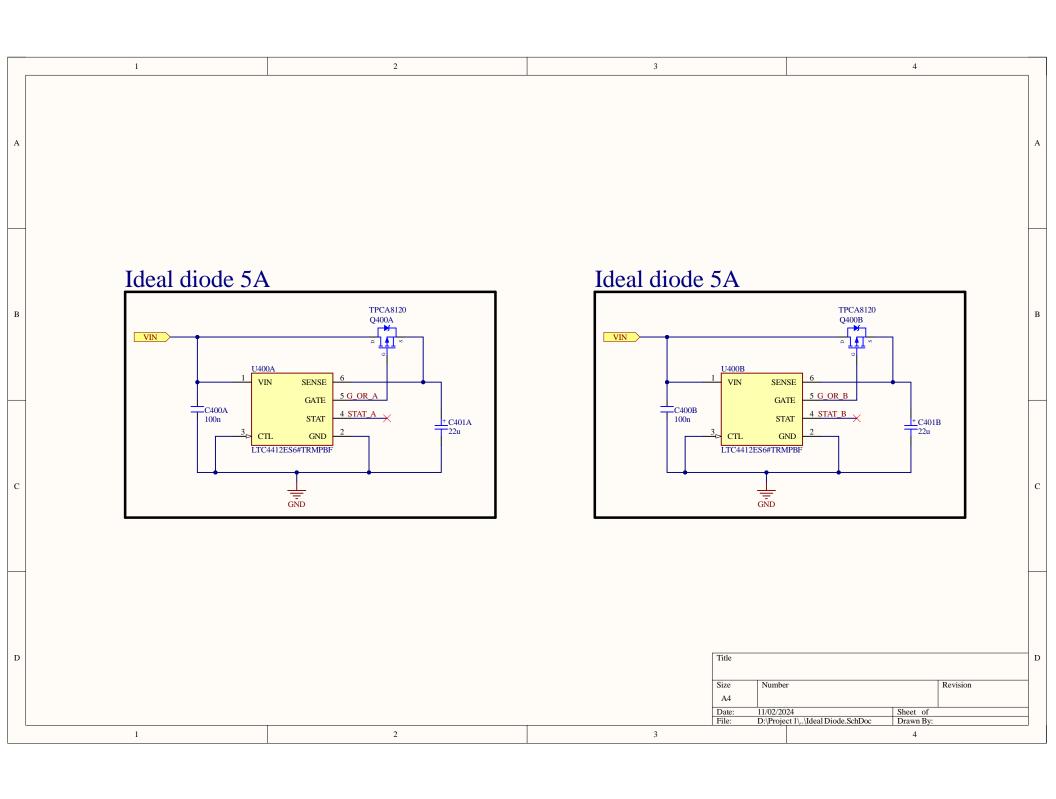
Revision A3

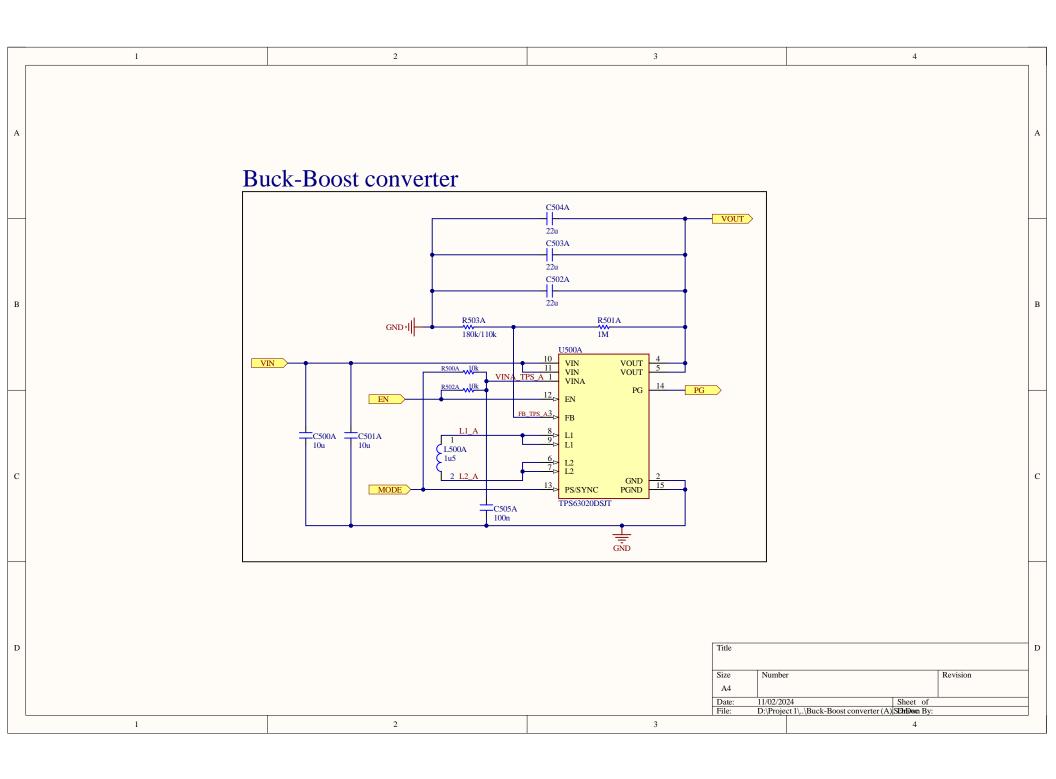
-GND

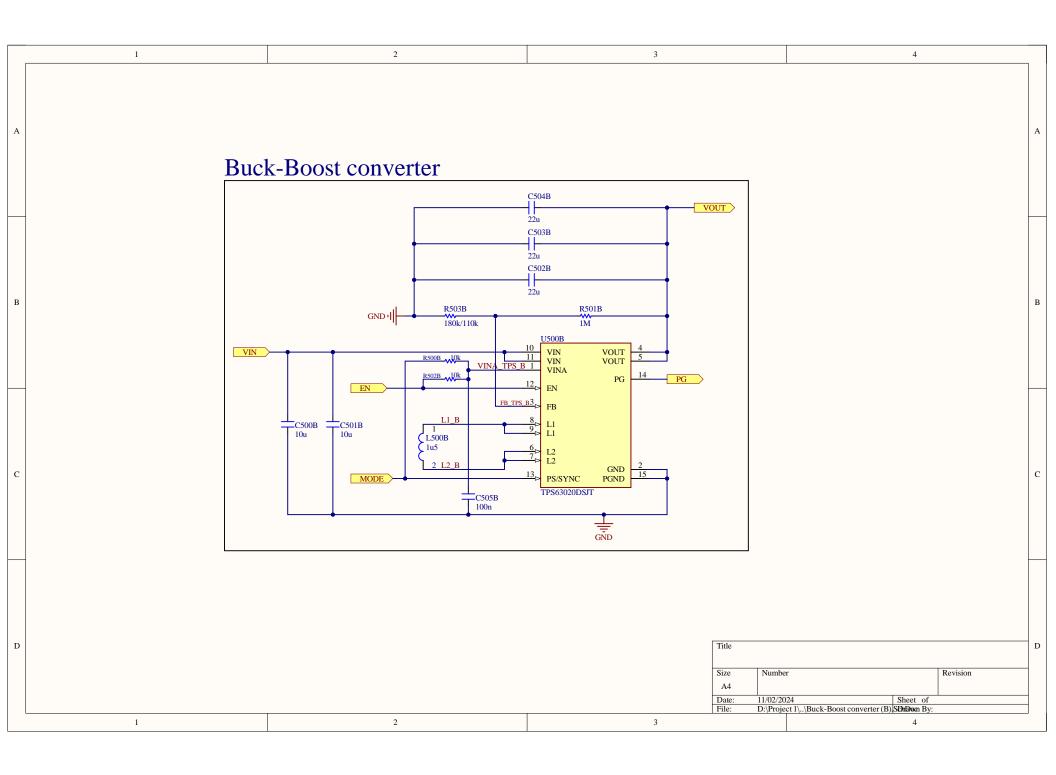
STM32F405RGT6

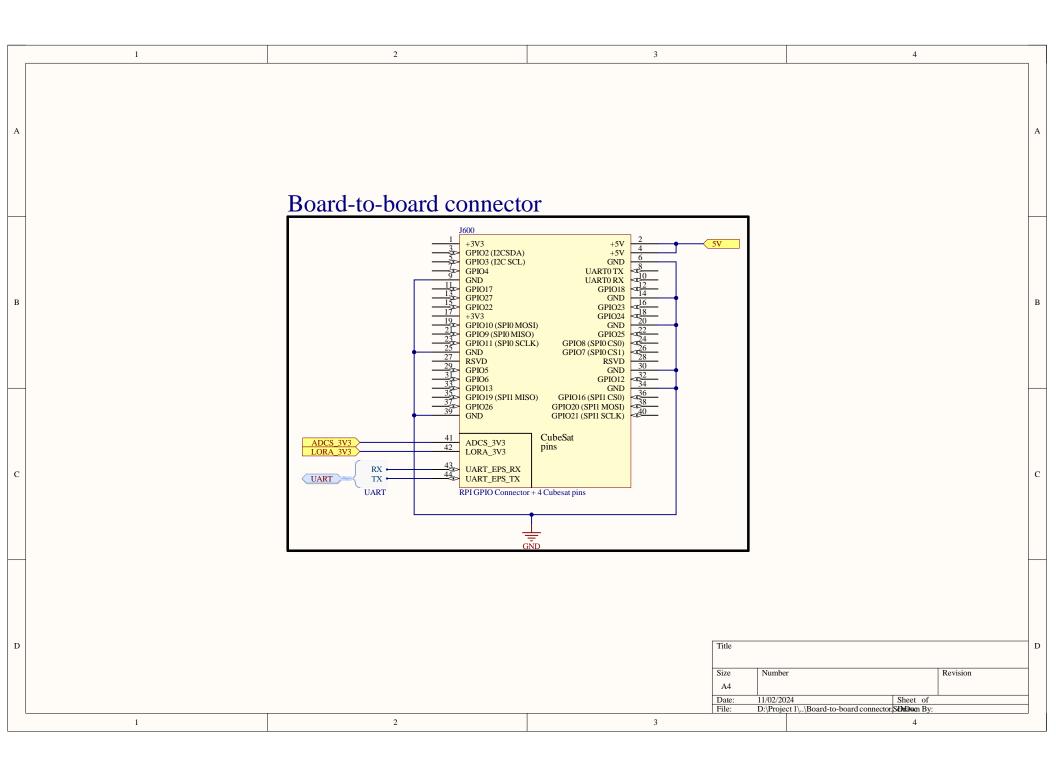


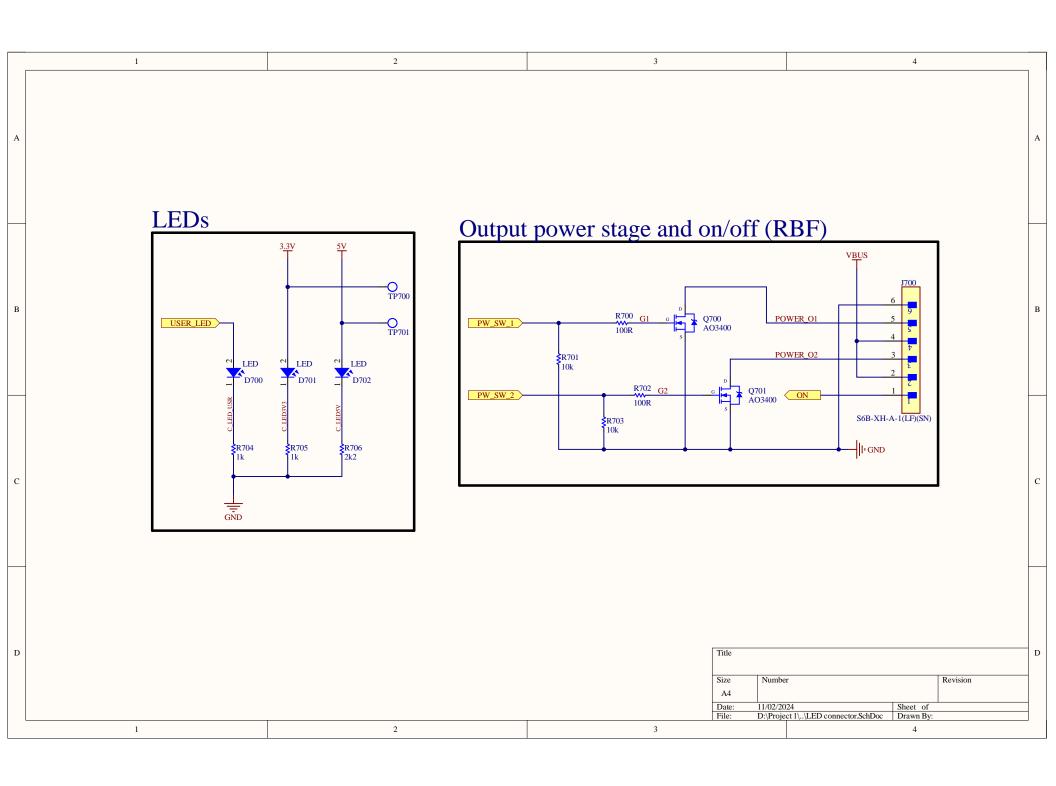


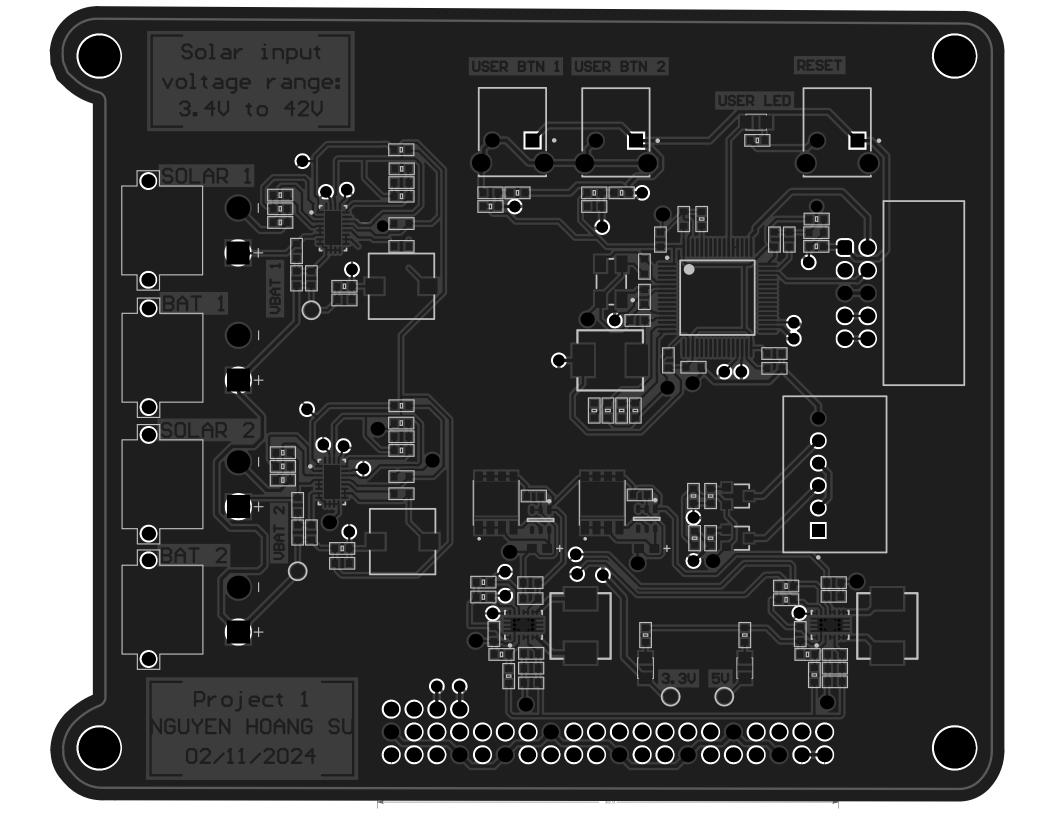












Comment	Description	Designator	Footprint	LibRef	Quantity
		206, R200, R201, R204,			
10k	Resistor	R205, R210, R302A, R302B, R500A, R500B, R502A, R502B, R701, R703	RESSMD-0603	Res-SMD	14
33k	Resistor	304B, R202, R203, R304A	RES-SMD-0603	Res-SMD	4
4u7		C200	CN-SMD-0603	QΝ	1
100n		C201, C202, C203, C204, C205, C207, C208, C209, C300A, C300B, C400A, C400B, C505A, C505B	CN-SMD-0603	CN CN	14
1u		C206, C302A, C302B, C306A, C306B	CN-SMD-0603	αν	5
20p		C210, C211	CN-SMD-0603	αN	2
2u2		C212, C213	CN-SMD-0603	QN	2
		C301A, C301B, C500A,			_
10u		C500B, C501A, C501B	ON-SMD-0603	αν	6
10p		C303A, C303B	ON-SMD-0603	OΝ	2
22u		C304A, C304B, C305A, C305B, C502A, C502B, C503A, C503B, C504A, C504B	CN-SMD-0603	CN CN	10
22u	Capacitor SMD Tantalum 0603	C401A, C401B	CAP_TANT_0603	CAP_TANT_0603	2
鱼		D700, D701, D702	LED-0805-Green	LEDSMD	3
XT30PW-M	Socket; DCsupply; XT30; male; PIN: 2; on PCBs; THT; Colour: yellow	J300A, J300B, J301A, J301B	AMASS_XT30PW-M	XT30PW-M	4
RPI CPIO Connector + 4 Cubesat pins		J600	header 40 pins	Header 40 pins	1
S6B-XH-A-1(LF)(SN)	CONN HEADERR/A P6OS2.5MM	J700	FP-S6B-XH-A-1_LF_SN- MFG	OMP-17439-000023-1	1
4u7		L200	L-SMD-0630	L-SMD-1	1
10u		L300A, L300B	L-SMD-M-7.3x4.5	L-SMD-1	2
1u5		L500A, L500B	L-SMD-0630	L-SMD-1	2
61201021721		P200	61201021721	OMP-1502-00021-2	1
TPCA8120		Q400A, Q400B	Mosfet Pchannel	Mosfet Pchannel	2
AO3400	N-MOS30V 5.8A	Q700, Q701 R207, R208, R209,	SOT23-123	AO3400	2
100R 0.025R	Resistor Resistor	R700, R702 R300A, R300B	RES-SMD-0603 RES-SMD-0603	Res-SMD Res-SMD	5
300k	Resistor	R301A, R301B	RES-SMD-0603	Res-SMD	2
1M	Resistor	R303A, R303B, R501A, R501B	RES-SMD-0603	Res-SMD	4
6k4	Desistes		DEC ON ID 0000	De- CMD	2
309k	Resistor Resistor	R305A, R305B R306A, R306B	RES-SMD-0603 RES-SMD-0603	Res-SMD Res-SMD	2
180k/110k	Resistor	R503A, R503B	RES-SMD-0603	Res-SMD	2
1k	Resistor	R704, R705	RES-SMD-0603	Res-SMD	2
2k2	Resistor	R706	RES-SMD-0603	Res-SMD	1
EVQ-PR006K	EVQ-PF006K Switch Tactile N.O. SPST Round Button PCPins 0.02A 15VDC1N Thru- Hole Bulk	SN200, SN201, SN202	FP-EVQ-PF006K-MFG	CMP-00287-39802768-1	3
Test-Point		TP300A, TP300B, TP700, TP701	TESTPOINT	Test-Point	4
STM32F405RGT6	ARM Cortex-M4 32-bit MCU+FPU, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 51 I/Os, 64-pin LQFP, -40 to 85 degC, Tray	U200	STM-LQFP64_M	OMP-0243-00019-3	1
LT8611EUDD#TRPBF	ICREGBUCK ADJ2.5A 24QFN	U300A, U300B	FP-UDD-24-05-08- 1833-IPC_B	OMP-0491-02169-2	2
LTC4412ES6#TRMPBF	ICORCTRLRSRC SELECT TSOT23-6	U400A, U400B	FP-S6-6-05-08-1636- IPC_C	OMP-0479-00425-2	2
TP963020DSJT	ICREGBOKBSTADJ 3.5A14VSON	U500A, U500B	FP-DS.0014A-MFG	CMP-2000-07282-2	2
8MHz	Orystal 8MHz ±20ppm 18pF SMD-4 5mm x 3.2mm	Y200	FP-ABM3B-MFG	OMP-1688-00002-2	1