

1

2

3

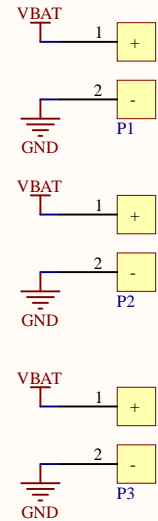
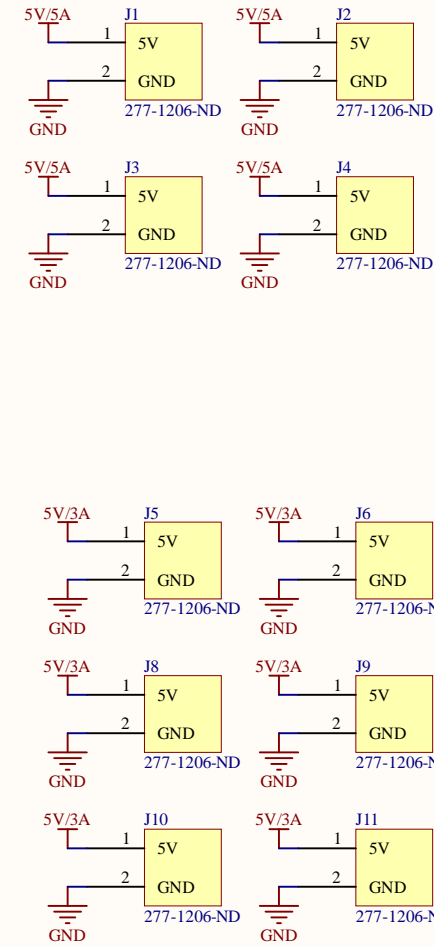
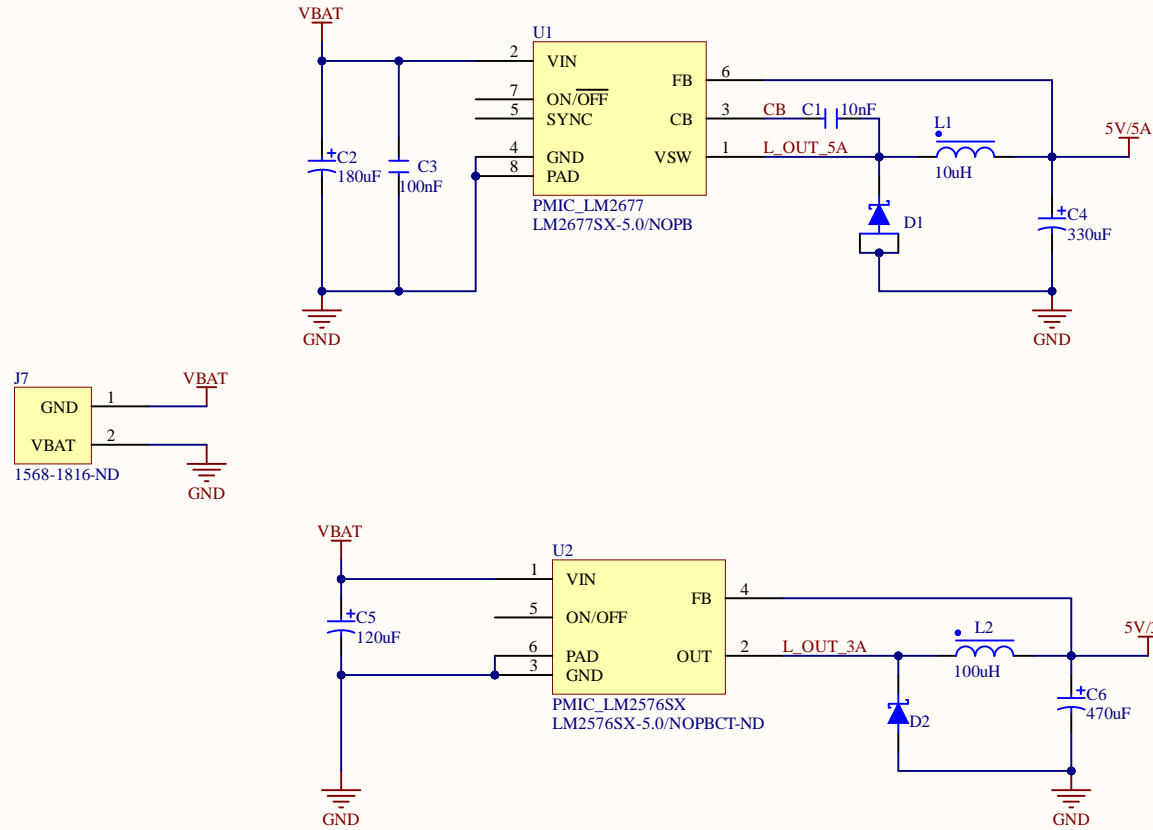
4

A

B

C

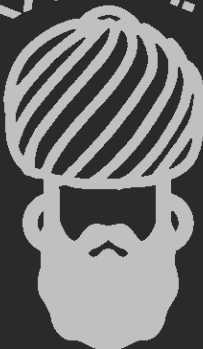
D



Title: *	
Document Name : BARBAROV Power Distribution Board.SchDoc	
Project Code : '	Sheet 1 of 1
Author: *	



KTÜN KAPSÜL YAZGI



BARBAROV

POWER DISTRIBUTION BOARD V1.1

Designed by
Oğuzhan GÜVERCİN



ATTENTION



ATTENTION
ELECTROSTATIC
SENSITIVE DEVICE



5V/3A

ESC1+

ESC1-

ESC2+

ESC2-

ESC3+

ESC3-

J11

D1

L1

J1

J2

J3

J4

U1

C4

5V/5A

C2

C1

C3

J7

UBAT
GND

U2

C5

L2

C6

D2

5V GND

5V

5V GND

5V

5V GND

5V

5V GND

5V

5V GND

5V

J5

J6

J8

J9

J10

Bill of Materials

Project Title: Bill of Materials for BOM Document [BARBAROV Power Distrubution Board.BomDoc]
 Project File Name: BARBAROV Power Distrubution Board.PrjPcb
 Assembly Variant: None

Designed by: _____



Part Number	Description	Designator	Manufacture	Manufacture Part Number	Supplier	Supplier Part Number	Supplier Unit Price	Quantity
CAP_470uF_20%	贴片铝电解电容 470uF ±20% 16V 0.12Ω 2000hrs@125°C AEC_D12.5x13.5mm_SM	C6			Digi-Key	PCE3629CT-ND		1
CAP_10nF_%20_0	Cap Ceramic 0.01uF 50V X7R 20% SMD 0603 125°C Paper T/R	C1			Digi-Key	399-C0603C103M5RAC7411CT-ND		1
CAP_100nF_50V_0	Cap Ceramic 0.1uF 50V X7R 20% SMD 0805 125°C Paper T/R	C3			Digi-Key	399-C0805C104M5RAC7800CT-ND		1
CAP_120uF_20%	Cap Aluminum Polymer 120uF 20VDC 20%(6.3 X 5.9mm) SMD 0.025 Ohm 3200mA 5000h 105C T/R	C5			Digi-Key	P16498CT-ND		1
CAP_180uF_20%	Cap Aluminum Polymer 180uF 25V 20% Cylindrical 16m Ohm 1470mA 2000 hr 125°C Emboss T/R	C2			Digi-Key	10-25SVT180MCT-ND		1
CAP_330uF_20%	Cap Alum Poly 330UF 20% 16V SMD	C4			Digi-Key	732-6491-1-ND		1
CONN_TERM_BLOC	2 Position Terminal Block Header, Male Pins, Shrouded (4 Side) 0.150" (3.81mm) 90°, Right Angle - Through Hole	J1, J2, J3, J4, J5, J6, J8, J9, J10, J11			Digi-Key	277-1206-ND		10
CONN_XT60	XT60 Connectors Male/female Pair	J7			Digi-Key	1568-1816-ND		1
DIODE_SCHOTTKY	VR=60V IF=5A 300pF	D2			Digi-Key	B560C-FDICT-ND		1
DIODE_SCHOTTKY	Diode Schottky 200V 10A Dpak	D1			Digi-Key	1655-SBRD10200CT-ND		1
IND_10uH_10A_1	Inductor Power Shielded Wirewound 10uH 20% 100KHz Iron 10A 0.0168Ohm DCR T/R	L1			Digi-Key	SRP1270-100MCT-ND		1
IND_100uH_9.1A	Inductor Power Shielded Wirewound 100uH 20% 100KHz Powdered Iron 9.1A 0.03940hm DCR 8787 T/R	L2			Digi-Key	541-IHLP8787MZER101M51CT-ND		1
PMIC_LM2576SX	IC REG BUCK 5V 3A TO263-5	U2			Digi-Key	LM2576SX-5.0/NOPBCT-ND		1
PMIC_LM2677	SIMPLE SWITCHER High Efficiency 5A Step-Down Voltage egulator with Sync 7- DDPAK/TO-263 -40 to 125	U1			Digi-Key	296-48568-1-ND		1
							\$0,00	23

Approved	Notes
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