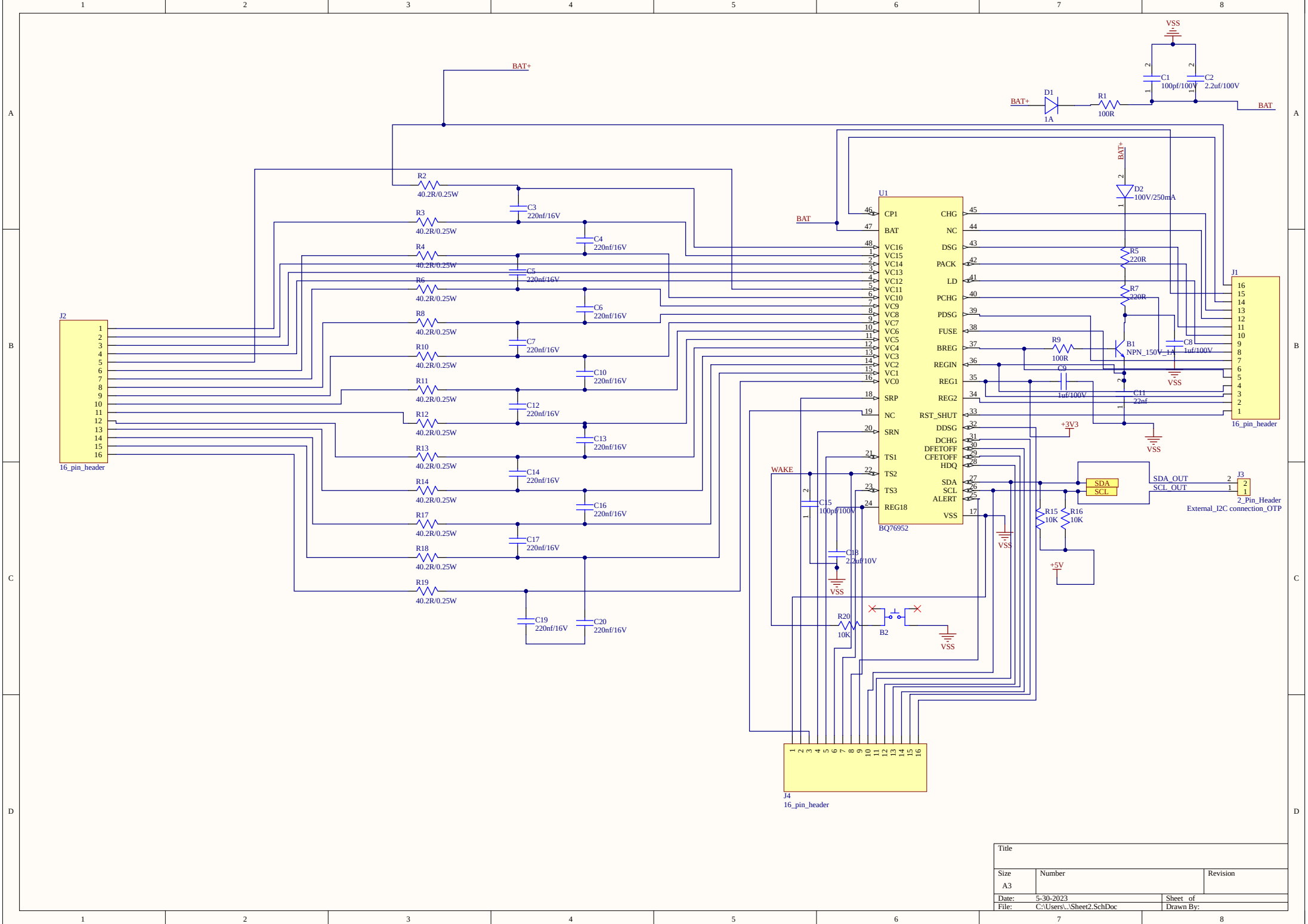
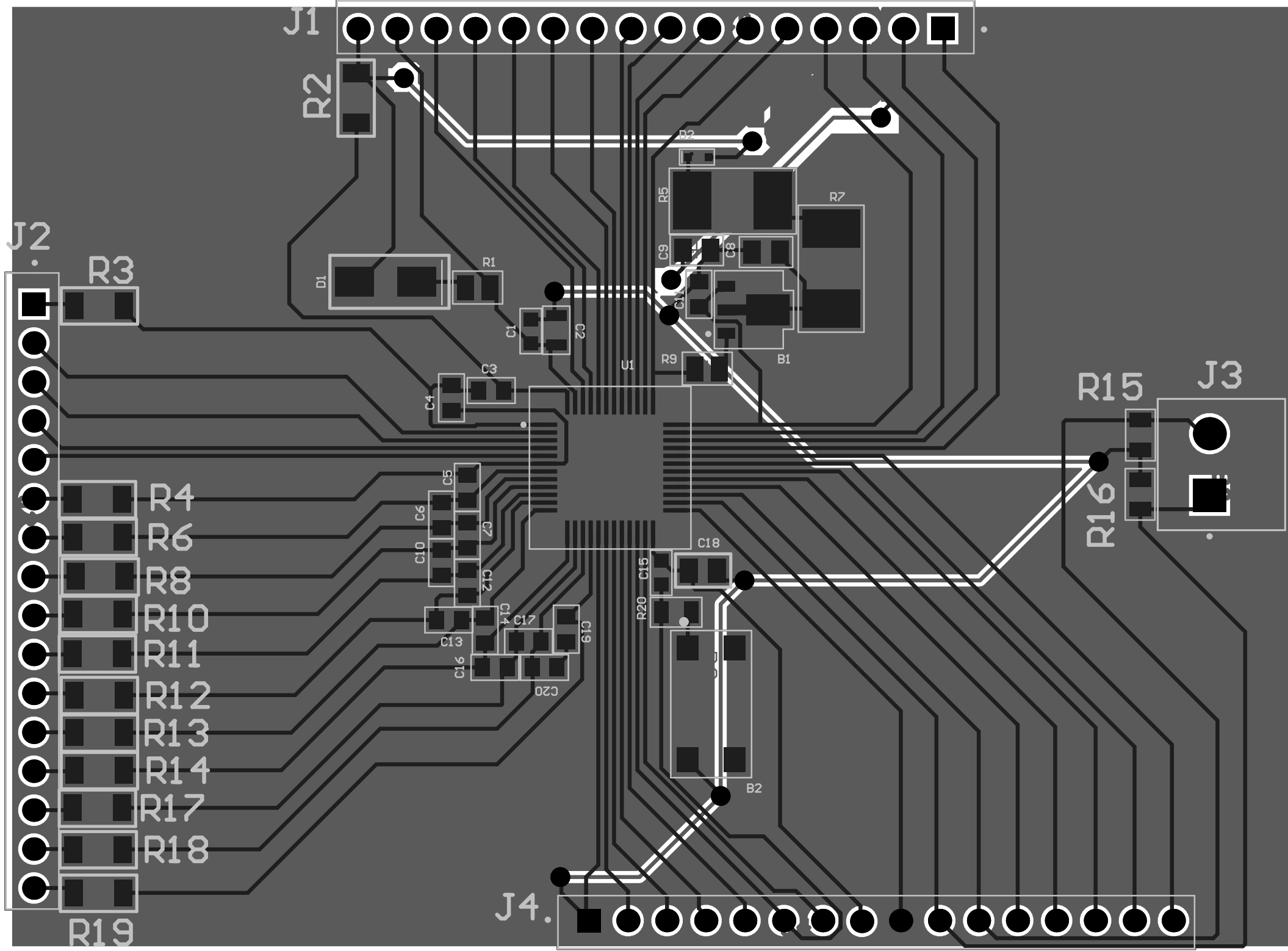




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Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	NPN_150 V_1A	TRANS NPN 150V 1A SOT89	B1	1	Nexperia	PBHV8115X,115	Volume Production	Digi-Key	1727-2367-1-ND	0.47	0.47
	Pushbutt on	Switch Tactile N.O. SPST Round Button Gull Wing 0.05A 12VDC 2.55N SMD T/R	B2	1	E-Switch	TL3305BF260QG	Volume Production	Digi-Key	EG5354CT-ND	0.23	0.23
	100pf/10 0V	Cap Ceramic 100pf 100V COG 1% Pad SMD 0603 125C Automotive T/R	C1, C15	2	Murata	GCM1885C2A101FA16D	Volume Production	Digi-Key	490- GCM1885C2A101FA16DCT- ND	0.18	0.36
	2.2uf/10 0V	General Up to 125C Reflow soldering Flow soldering	C2	1	Murata	GRM21BD72A225ME01K	Volume Production	Digi-Key	490- GRM21BD72A225ME01KC T-ND	0.47	0.47
	220nf/16 V	Cap Ceramic 0.22uF 16V X7R 10% Pad SMD 0603 125C Automotive T/R	C3, C4, C5, C6, C7, C10, C12, C13, C14, C16, C17, C19, C20	13				[NoParam], Digi-Key	[NoParam], 399-17882-1- ND		
	1uf/100V	Cap Ceramic 1uF 100V X7S 10% Pad SMD 0805 125C T/R	C8, C9	2	Murata	GRM21BC72A105KE01L	Volume Production	Digi-Key	490-14464-1-ND	0.37	0.74
	22nf	0201 0.022 uF 16 V ±10% Tolerance X5R Multilayer Ceramic Capacitor	C11	1	Murata	GRM033R61C223KE84D	Volume Production	Digi-Key	490-7225-1-ND	0.1	0.1
	2.2uf/10 V	Cap Cer 2.2uF 10V X7R 0805	C18	1	KEMET	C0805C225K8RACAUTO7210		Digi-Key	399- C0805C225K8RACAUTO72 10CT-ND	0.23	0.23
	1A	VR=50V IF=1A 10pF Tr=3us	D1	1	Diodes	S1A-13-F	Volume Production	Digi-Key	S1A-FDICT-ND	0.25	0.25
	100V/250 mA	VR=100V IF=250mA Tr=4ns P=500mW	D2	1	Nexperia	BASS16115	Volume Production	Digi-Key	1727-2893-1-ND	0.21	0.21
	2_Pin_He ader	Connector, MTA-156; Male; 2; Copper Alloy; 7; 600; 0.156 in.; Polyester; White	J3	1	TE Connectivity AMP	640445-2	Volume Production	Digi-Key	A1971-ND	0.17	0.17
	100R	TE Connectivity 100 ohm resistor 1W power dissipation. Note:- PCB WITH A COPPER THICKNESS OF TWO OUNCES SHOULD BE USED.	R1, R9	2	TE Connectivity Holsworthy	RA73F2A100RBDT	Volume Production	Digi-Key	1712-RA73F2A100RBDCT- ND	1.46	2.92
	40.2R/0. 25W	Res Thin Film 1206 40.2 Ohm 0.1% 1/8W ±25ppm/°C Molded SMD Paper Tape on Plastic Reel	R2, R3, R4, R6, R8, R10, R11, R12, R13, R14, R17, R18, R19	13	Bourns	CRT1206-BY-40R2ELF	Volume Production	Digi-Key	118-CRT1206-BY- 40R2ELFCT-ND	0.439	5.71
	220R	Resistor, ResHighPower 2512 220R 5% 1.5W TC100	R5, R7	2	Bourns	CMP2512-JW-221ELF		Digi-Key	118-CMP2512-JW- 221ELFCT-ND	0.75	1.5
	10K	Res Thick Film 0805 10K Ohm 1% 0.5W(1/2W) ±100ppm/°C Pad SMD Automotive T/R	R15, R16, R20	3	Yageo	SR0805FR-4710KL		Digi-Key	YAG5846CT-ND	0.81	2.43
	BQ76952	3-s to 16-s high- accuracy battery monitor and protector for Li ion, Li-polymer and LiFePO4 48 TQFP -40 to 85	U1	1							