

Check chan LCD segments

Title **Microcontroller**

Size: A4

Number: *

Revision: 1.3

Date: 8/14/2023

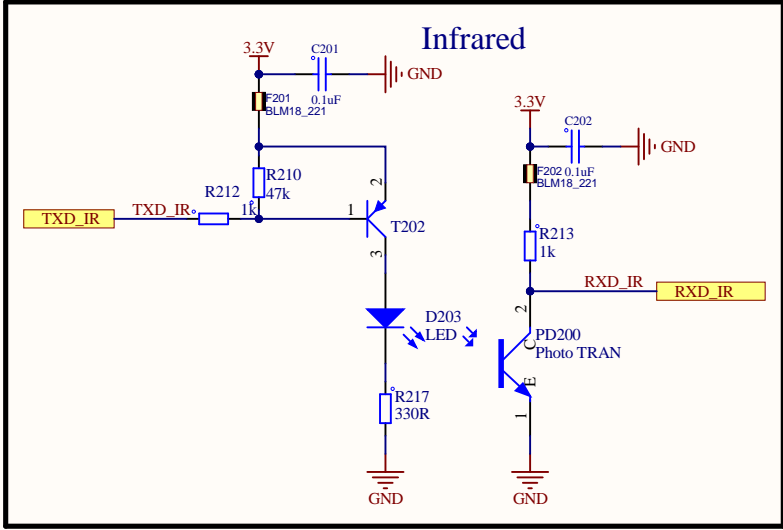
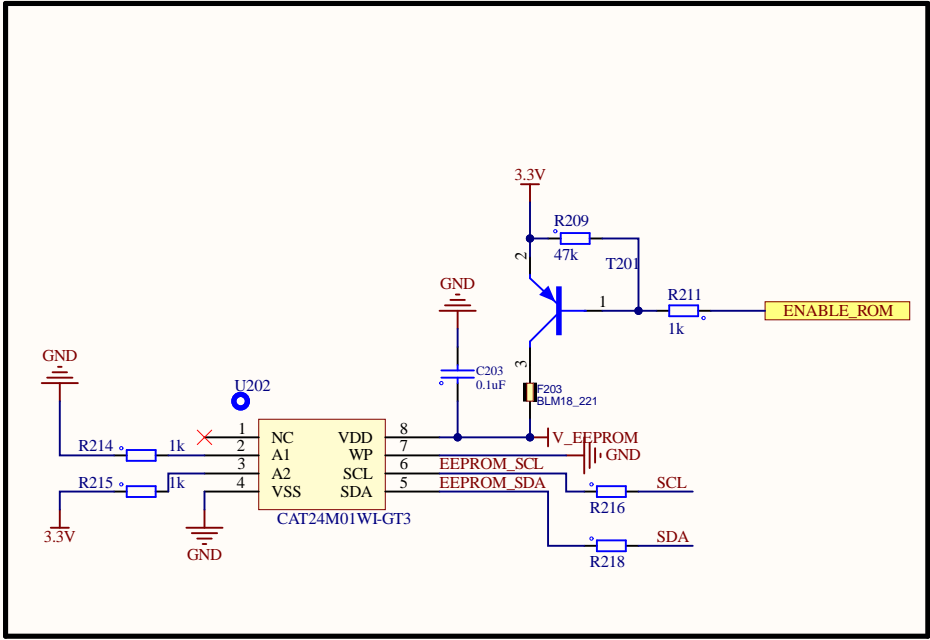
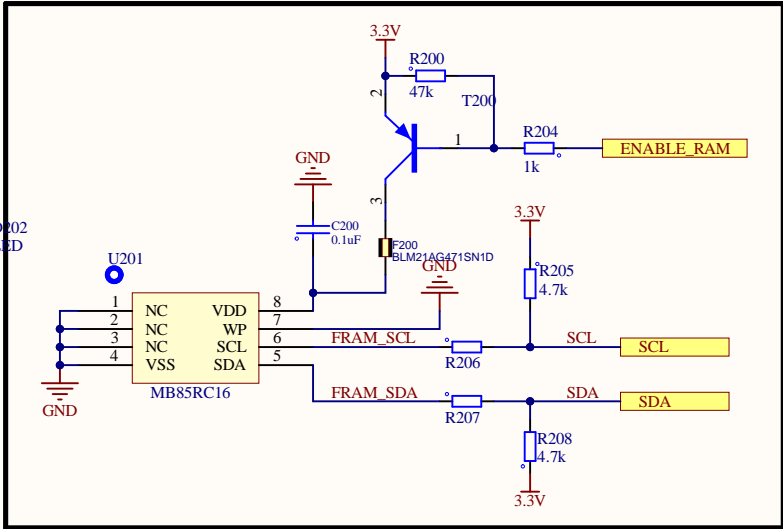
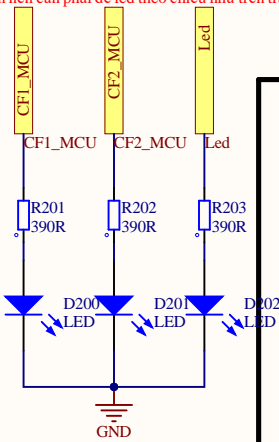
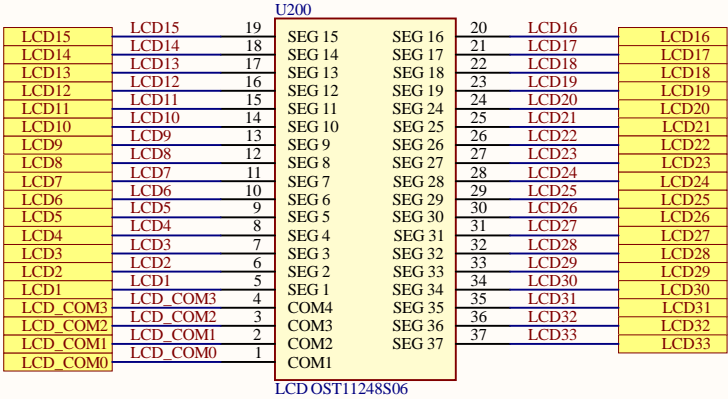
Time: 11:06:01 AM

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File: E:\project\meterV3\Control_V1_L443(2)\1_MCU_L443.SchDoc

Altium

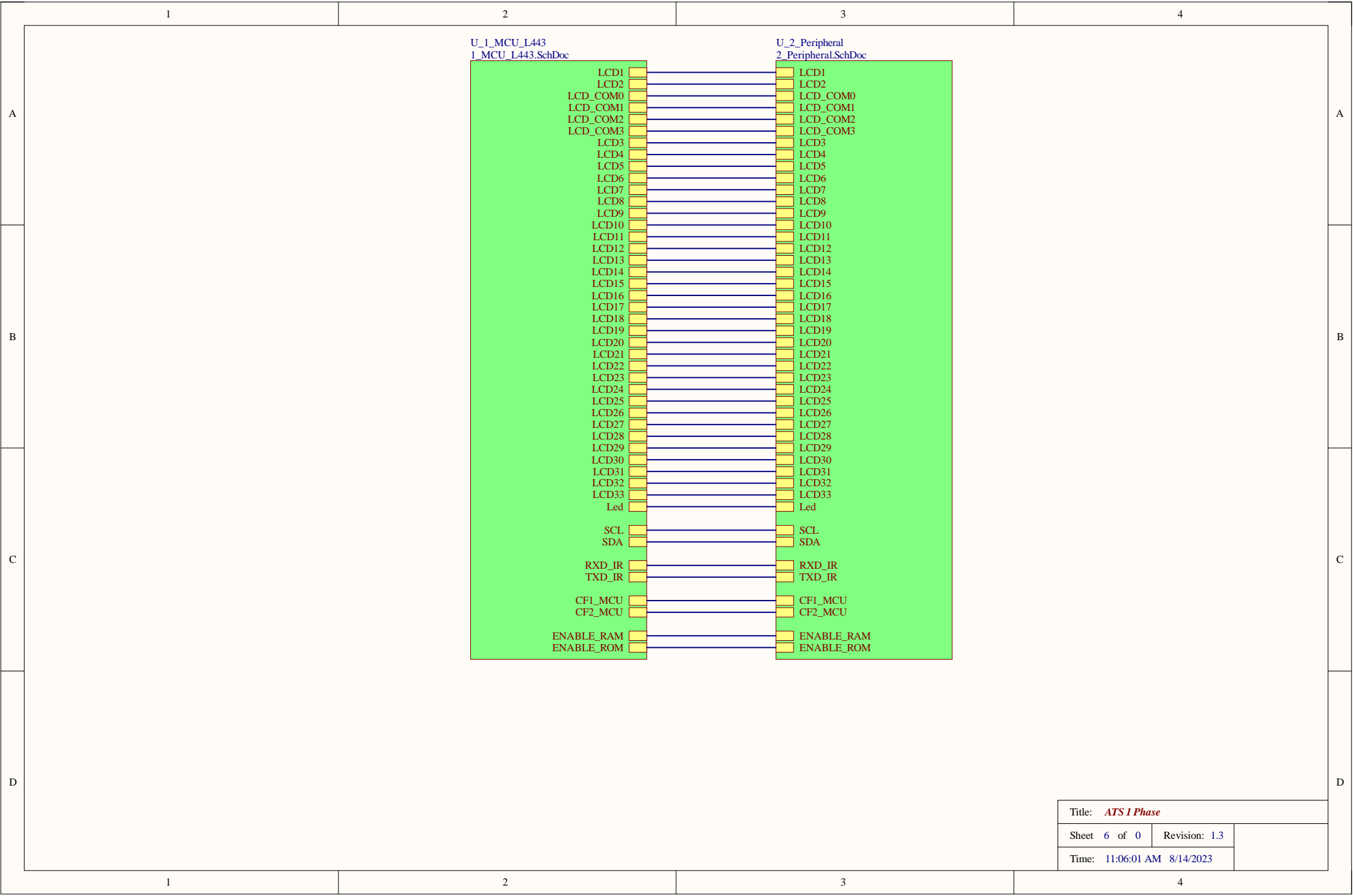
trường hợp dùng pin ade ko được cấp nguồn nên cần phải để led theo chiều như trên tránh trường hợp dòng dò vào qua led vào ade lúc dùng pin



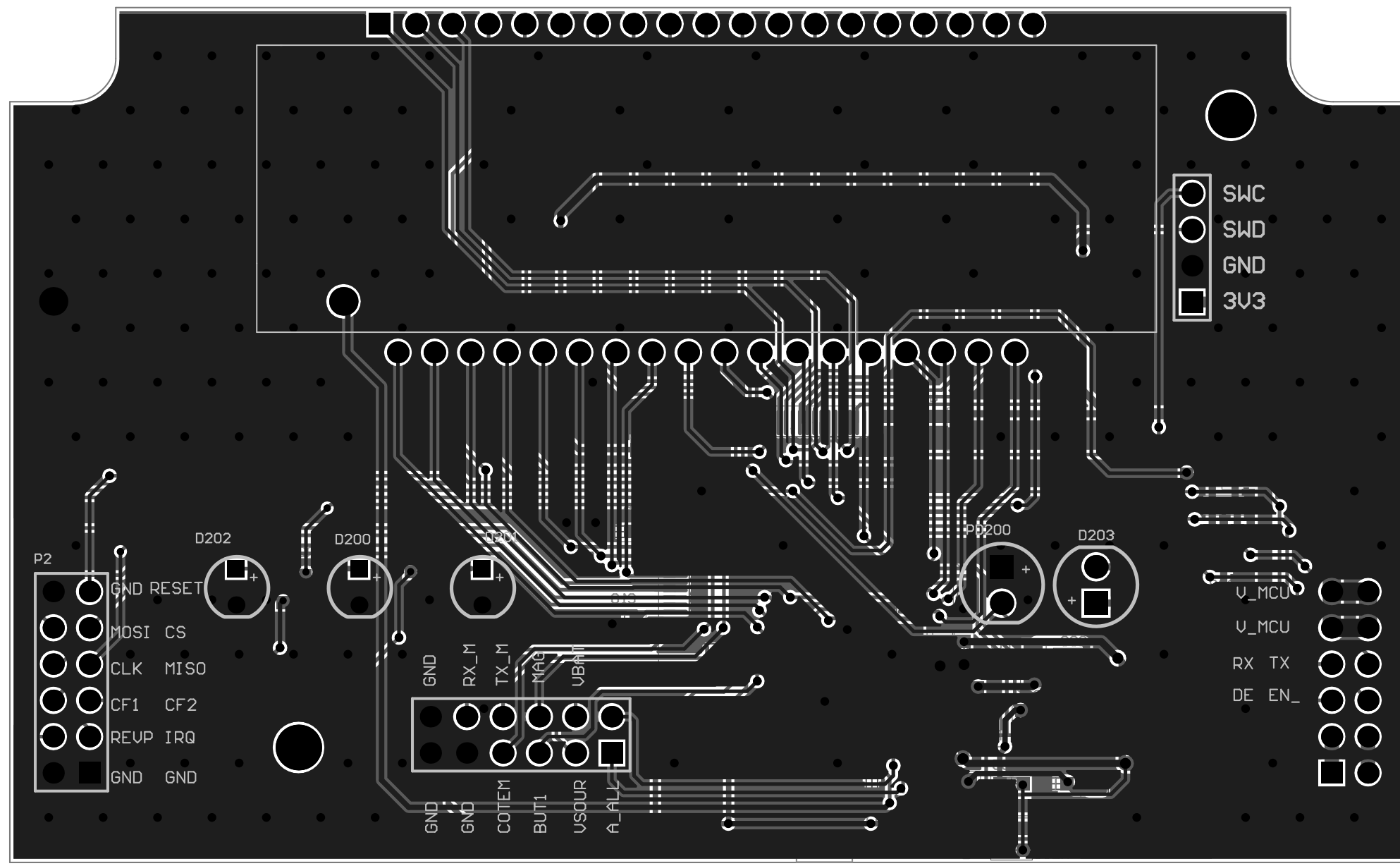
Title: **Peripheral**

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Time: 11:06:01 AM 8/14/2023



2130.859 (mil)



3850 (mil)

Comment	Designator	Manufacturer Part Number	Manufacturer	Description	Footprint	Quantity
Bat 2032 DIP	BT1	CR-2032/HFN	Panasonic - BSG	Coin, 20.0mm Lithium 3V Battery Non- Rechargeable (Primary)	CR2032 Holder	1
0.1uF	C1, C4, C5, C6, C7, C8, C9, C10, C11, C200, C201, C202, C203	EMK107B7104KA- T	Taiyo Yuden	0.10uF 16V Ceramic Capacitor X7R 0603 (1608 Metric) 0.063" L x 0.031" W (1.60mm x 0.80mm)	C0603	13
22pF	C2, C3	CL21C220FBANN C	Samsung Electro- Mechanics America, Inc.	22pF ±1% 50V Ceramic Capacitor C0G, NP0 0805	C0805	2
LED	D200, D201, D202	S219320F	Dialight	Red LED Indication - Discrete 1.8V Radial	LED_phi 3	3
LED	D203	IR333-A	Everlight Electronics Co Ltd	Typical RED GaAs LED	LED_phi 5	1
BLM21AG471SN1 D	F1, F2, F3, F200	BLM21AG471SN1 D	Murata Electronics North America	BLM18AG221SN1 D	L0805	4
BLM18_221	F201, F202, F203	BLM18AG221SN1 D	Murata Electronics	BLM18AG221SN1 D	L0805	3
Header 4	P1	M20-9990445	Harwin	Header, 4-Pin	HDR1X4	1
Header 6X2	P2, P3, P4	M20-9760646	Harwin	Header, 6-Pin, Dual row	HDR2X6	3
Photo TRAN	PD200	PT333-3B	Everlight Electronics Co Ltd	Photo TRAN	Receiver IR LED 5mm	1
47k	R1, R200, R209, R210	RC0603FR-0747KL	Yageo	47k Ohm ±1% 0.1W, 1/10W Chip Resistor 0603	R0603	4
100k	R2	RC0603JR-07100KL	Yageo	RES SMD 100K OHM 5% 1/10W/ 0603	R0603	1
390R	R201, R202, R203	RC0603JR-07390RL	Yageo	RES SMD 390 OHM 5% 1/10W 0603	R0603	3
1k	R204, R211, R212, R213, R214, R215	RC0603FR-071KL	Yageo	RES SMD 1K OHM 5% 1/10W 0603	R0603	6
4.7k	R205, R208	RC1608F472CS	Samsung Electro- Mechanics America, Inc.	RES SMD 4.7K OHM 1% 1/10W 0603	R0603	2
10R	R206, R207, R216, R218	RC0603JR-0710RL	Yageo	10 Ohm ±5% 0.1W, 1/10W Chip Resistor 0603	R0603	4
330R	R217	RC0603JR-07330RL	Yageo	RES SMD 330 OHM 5% 1/10W 0603	R0603	1
SMMBT3906LT1G	T200, T201, T202	SMMBT3906LT1G	ON Semiconductor	PNP 40V 200mA 250MHz 300mW	SOT23A	3
STM32L443VCTx	u1	STM32L443VCT6	STMicroelectroni cs	ARM® Cortex®- M4 STM32L4 Microcontroller IC 32-Bit 80MHz 256KB (256K x 8) FLASH 100-LQFP (14x14)	TSQFP50P1750X17 50X160-100N	1
LCD OST11248S06	U200	OST11248S06	OSWELL	Character LCD Display Module Reflective 14- Segment TN - Twisted Nematic Without Backlight 70.00mm x 25.00mm x 2.80mm	LCD_33Segment - 2.3mm - SMD	1
MB85RC16	U201	MB85RC256VPF-G- JNEREZ2	Fujitsu Electronics America, Inc.	IC FRAM 256KBIT 1MHZ 8SOP	FPT-8P-M08- fram	1
CAT24M01WI-GT3	U202	CAT24M01WI-GT3	ON Semiconductor	IC EEPROM 1MBIT 1MHZ 8SOIC	SOIC8N_N	1
32.768k	Y1	ECS- 327-12.5- 13FLX-C	ECS International	32.768kHz ±10ppm Crystal 12.5pF 50 kOhm - 40°C - 85°C Surface Mount Cylindrical Can, Radial	CRYSTAL 32.7680KHZ	1