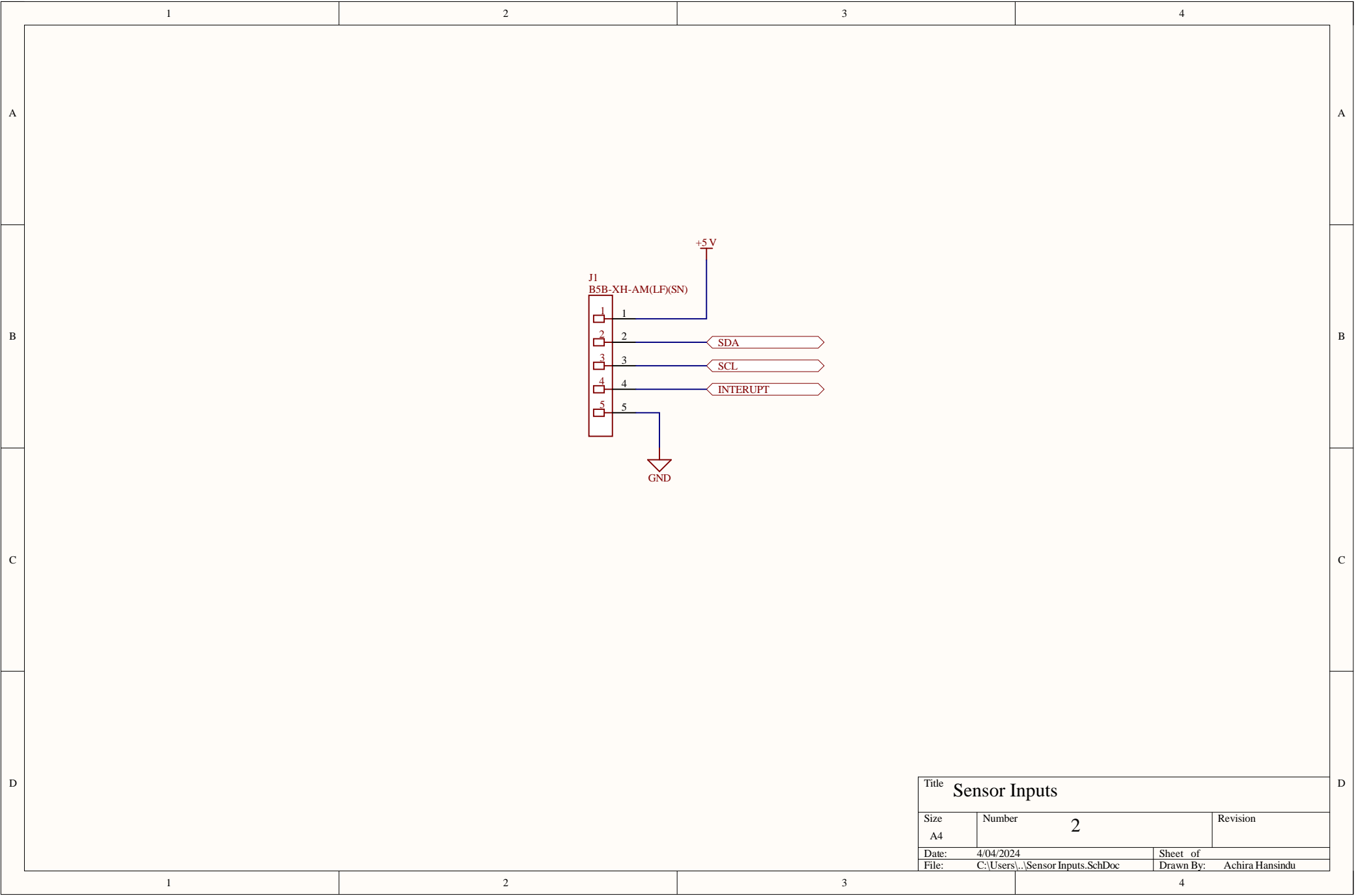
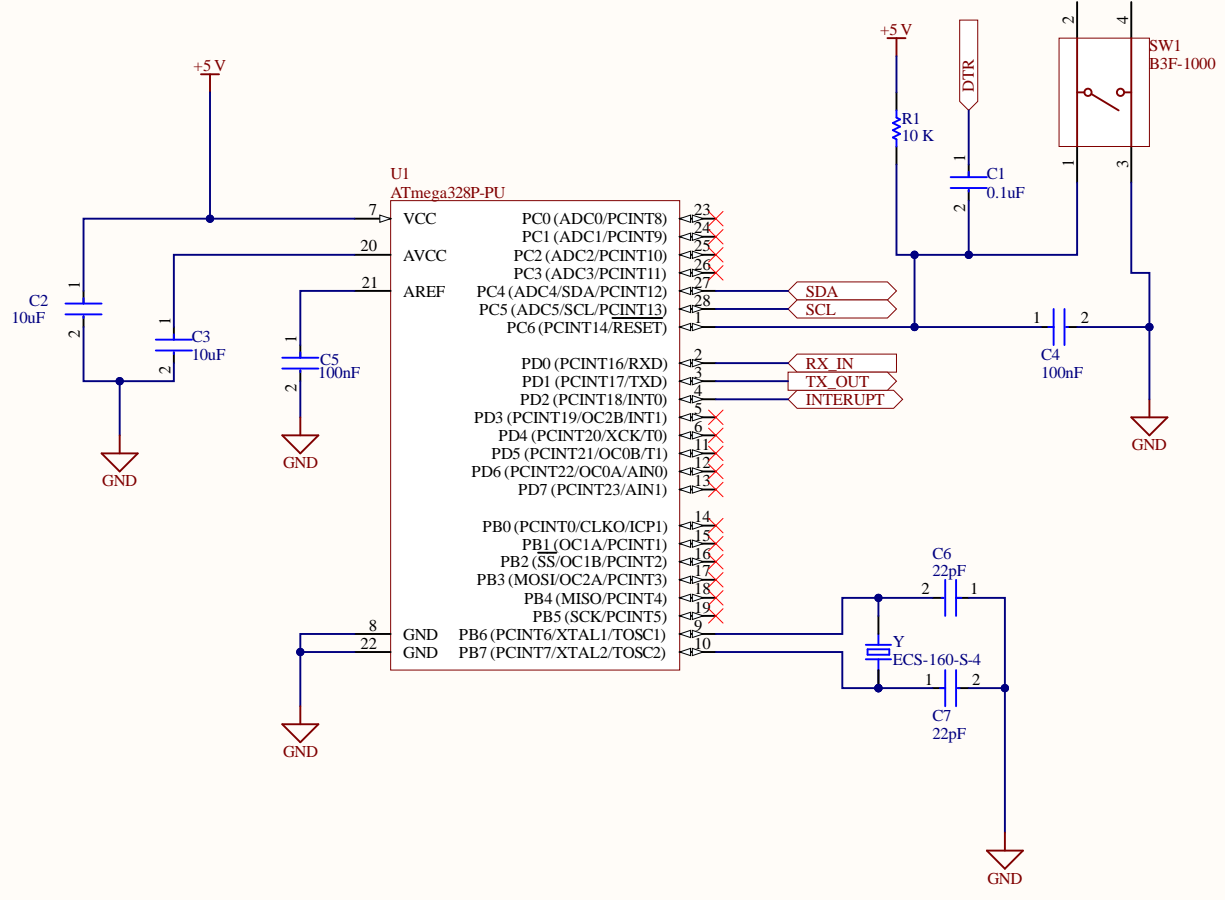


TitleMain		
SizeA4	Number1	Revision
Date:4/04/2024	Sheet of	
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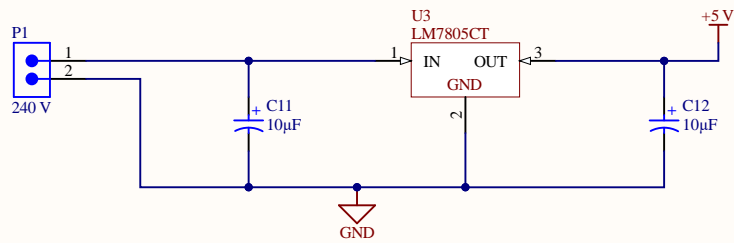


Title			Sensor Inputs	
Size	Number	Revision		
A4	2			
Date:	4/04/2024	Sheet of		
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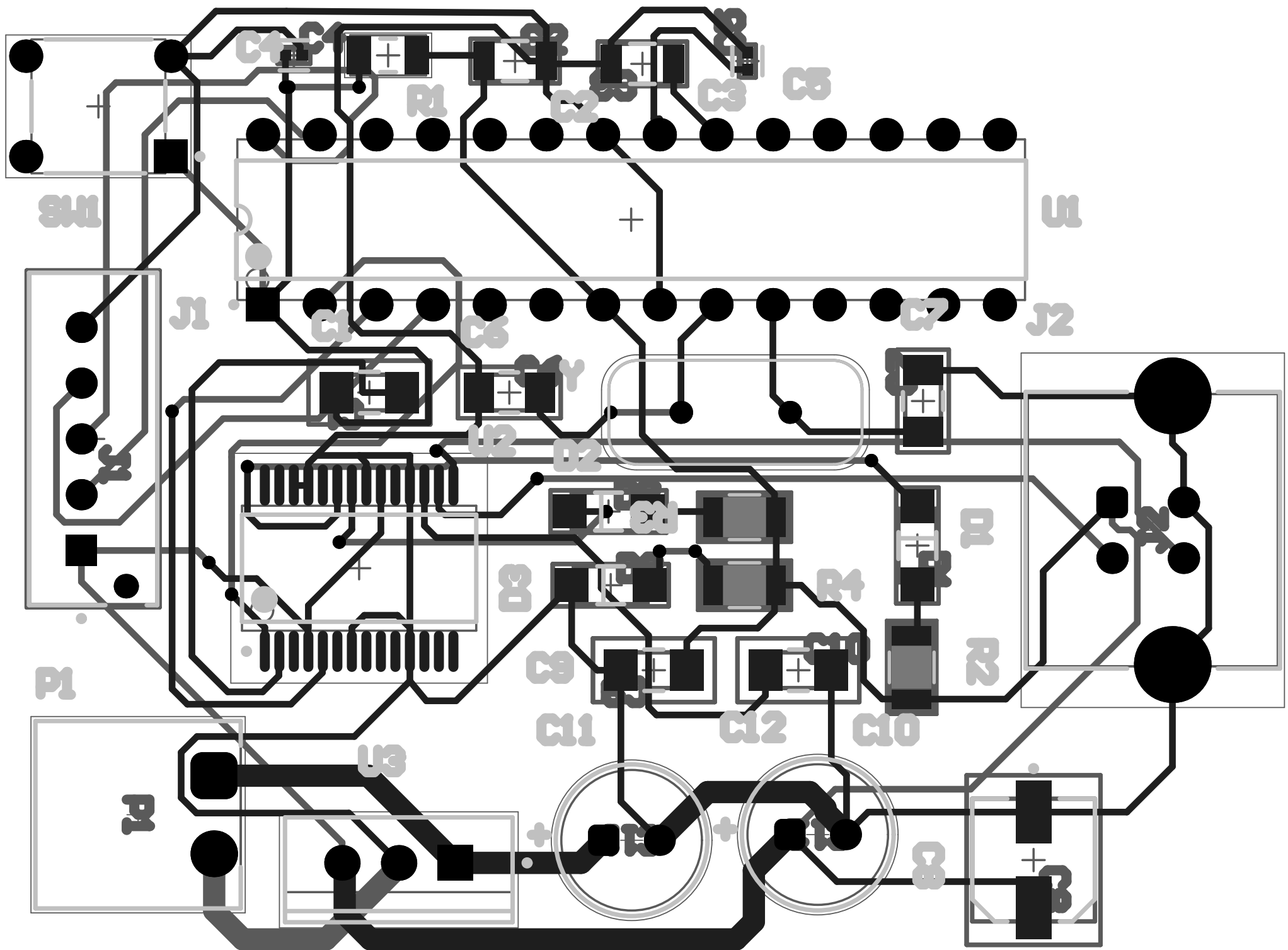


Decoupling capacitors(C2, C3, C4) should be as much as close to the IC

Title			Microcontroller
Size	Number	Revision	
A4	3		
Date:	4/04/2024	Sheet of	
File:	C:\Users\...\MCU.SchDoc	Drawn By: Achira Hansindu	



Title			Power Supply	
Size	Number	Revision		
A4	5			
Date:	4/04/2024	Sheet of		
File:	C:\Users\...\Power Circuit.SchDoc	Drawn By:		Achira Hansindu



Comment	Description	Designator	Footprint	LibRef	Quantity
GRM31M1X1H104JA01L	Chip Multilayer Ceramic Capacitors for General Purpose, 1206, 0.10uF, SL, +350/-1000ppm/°C, 5%, 50V	C1, C9, C10	FP-GRM31M-0_15-IPC_A	CMP-06035-007547-1	3
C1206C106K4PACTU	CAP CER 10UF 16V X5R 1206	C2, C3	FP-C1206C106K4PACTU-MFG	CMP-03020-034688-1	2
CL05B104KO5NNWC	Cap Ceramic 100nF 16V X7R ±10% SMD 0402 +125°C Paper T/R	C4, C5	FP-CL640-IPC_C	CMP-13271-001008-1	2
GRM31A7U3D220JW31D	Chip Multilayer Ceramic Capacitors for General Purpose, 1206, 22pF, U2J, -750ppm/°C, 5%, 2kV	C6, C7	FP-GRM31A-0_2-e0_3_0_8-IPC_B	CMP-06035-015250-1	2
EEE1VA100SR	CAP ALUM 10UF 20% 35V SMD	C8	FP-SC-MFG	CMP-05427-000087-1	1
870575873001	870575873001 Cap, 10Uf, 63V, Alu Elec, Hybrid, Rad Rohs Compliant: Yes	C11, C12	WCAP-HTG5_D6.3H8	CMP-03913-134709123-1	2
HSMG-C150	LED GREEN DIFFUSED 1206 SMD	D1, D2, D3	FP-HSMG-C150-MFG	CMP-2000-05061-2	3
B5B-XH-AM(LF)(SN)	CONN HEADER VERT 5POS 2.5MM	J1	FP-B5B-XH-AM_LF_SN-MFG	CMP-17439-000304-1	1
61400413321		J2	61400413321	CMP-1502-03246-2	1
240 V		P1	691322110002	CMP-1502-01791-3	1
ERA8AEB103V		R1	RESC3216X70X50LL20T25	CMP-2003-04407-1	1
RCC12061K00FKEA	RCC12061K00FKEA Resistor, 1K, 1%, 0.5W, 1206, THICK FILM;	R2, R3, R4	RES_RCC1206_VIS	CMP-05494-116077937-1	3
B3F-1000	Tactile Switch, SPST-NO, 0.05 A, 5 to 24 V, -25 to 70 degC, 4-Pin THD, RoHS, Bulk	SW1	OMRON-B3F-1000-4_V	CMP-1677-00002-1	1
ATmega328P-PU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 28-pin PDIP, Industrial Grade (-40°C to 85°C)	U1	28P3	CMP-0095-00013-2	1
FT232RL	IC USB FS SERIAL UART 28-SSOP	U2	FTDI-SSOP-28_M	CMP-2000-05029-1	1
LM7805CT	Positive Voltage Regulator, 5 V, 1 A, -40 to 125 degC, 3-Pin TO-220, RoHS, Tube	U3	FAIR-TO-220-3	CMP-2000-04938-1	1
ECS-160-S-4	16MHz Â±30ppm Crystal Series 40 Ohms HC-49/US	Y	XTAL_ECS-160-20-4X	ECS-160-S-4	1