

Bill of Material

Board	SerreVo Controleur	Concepteur Principal	Jean-Christophe Chouinard
Cours	Projet TSO 2025	Date du projet	2025-02-04
Département	Technologies du génie électrique	Date de génération du BOM	2025-02-11
Révision	1.01	Heure de génération du BOM	11:27
Nombre de PCB	1	Variant	None



Item Number	Designator	Layer	Description	Comment	Package / Case	Supplier 1	Supplier Part Number 1	Quantity	Quantity Total	#Column Name Error:' Note
	C1, C7	Top	CAP CER 0.1UF 16V X7R 0603	0.1 µF	0603, 0603 (1608 Metric)	DigiKey	478-KGM15AR71C104MMCT-ND, 399-5784-2-ND	2	2	
	C2, C5, C8, C9	Top	CAP CER 0.012UF 16V X7R 0603	0.012 µF	0603 (1608 Metric)	DigiKey	311-3370-1-ND	4	4	
	C3	Top	CAP ALUM 100UF 20% 10V SMD	100 µF	Radial, Can - SMD	DigiKey	PCE3867CT-ND	1	1	
	C4	Top	CAP CER 1UF 16V X7R 0603	1 µF	0603 (1608 Metric)	DigiKey	399-17719-1-ND	1	1	
	C6	Top	CAP CER 22UF 6.3V X5R 0603	22µF	0603 (1608 Metric)	DigiKey	478-10812-1-ND	1	1	
	C10, C11	Top	CAP CER 4.7UF 16V X6S 0603	4.7 µF	0603 (1608 Metric)	DigiKey	490-13362-1-ND	2	2	
	C12, C13, C14, C15, C16, C17, C18, C19	Bottom	CAP CER 47UF 6.3V X5R 0603	47µF	0603 (1608 Metric)	DigiKey	478-11180-1-ND	8	8	
	D1	Top	TVS DIODE 5.25V 17V SOT666	USBLC6-2P6				1	1	
	D2	Top	LED GREEN DIFFUSED 0603 SMD	Green	0603 (1608 Metric)	DigiKey	511-1579-1-ND	1	1	
	D3	Top	LED RED DIFFUSED 1608 SMD	Red	0603 (1608 Metric)	DigiKey	SML-D12U1WT86CT-ND	1	1	
	J1	Top	CONN RCP USB2.0 TYP C 24P SMD RA	Usb-C				1	1	
	J2, J3, J4, J5	Top	Jack Modular Connector 8p8c _RJ45, Ethernet_ Vertical Unshielded Cat6	SS-60000-007				4	4	
	J6	Top	Connector Header Through Hole 10 position 0.098 (2.50mm)	B10B-XH-A(LF)(SN)				1	1	
	J7	Top		B4B-XH-A				1	1	
	Q1	Top	MOSFET P-CHA 60V 720MW SOT23	DMP6350S-7				1	1	
	R1, R2	Top	RES 5.1KΩ 1.00% 0.1W 0603	5.1kohms				2	2	
	R3, R4, R17, R18, R19, R20, R21, R22, R24, R25	Top	RES SMD 30 OHM 5% 1/4W 0603	30 Ohms	0603 (1608 Metric)	DigiKey	RHM30DCT-ND	10	10	

Item Number	Designator	Layer	Description	Comment	Package / Case	Supplier 1	Supplier Part Number 1	Quantity	Quantity Total	#Column Name Error:' Note
	R5, R6, R29	Top	RESA-AS 0603 0R JUMPER 100MW	0 Ohms	0603 (1608 Metric)	DigiKey	CR0603AJ/-000EASCT-ND	3	3	
	R7, R8, R9, R11, R12, R13, R14, R15, R16	Top	RES SMD 330 OHM 1% 1/5W 0603	330 Ohms	0603 (1608 Metric)	DigiKey	A129541CT-ND	9	9	
	R10, R23, R28	Top	RES SMD 10K OHM 5% 1/4W 0603	10 kOhms	0603 (1608 Metric)	DigiKey	541-2817-1-ND	3	3	
	R26	Top	RES SMD 220 OHM 1% 1/10W 0603	220 Ohms	0603 (1608 Metric)	DigiKey	118-CR0603-FX-2200ELFCT-ND	1	1	
	R27	Top	RES SMD 470 OHM 1% 1/10W 0603	470 Ohms	0603 (1608 Metric)	DigiKey	P470HCT-ND	1	1	
	SW1, SW2	Top	SWITCH TACTILE SPST-NO 0.02A 15V	EVQ-Q2U01W				2	2	
	U1	Top	Bluetooth, WiFi 802.11b/g/n, Bluetooth v5.0 Transceiver Module 2.4GHz Antenna Not Included, U.FL Surface Mount	ESP32-S3-WROOM-1U-N16R8				1	1	
	U2, U3, U5, U6	Top	Low Voltage I2C/SMBus Accelerator	LTC4311ISC6#TRPBF				4	4	
	U4	Top	No Description Available	R1172S331B-E2-FE				1	1	
Commentaires ou instruction spéciales										