



Title		
Robot Mop		
Size	Number	Revision
A4	1	1.2
Date:	5/23/2023	Sheet of 1/1
File:	C:\Users\...\Robot_mop_new.SchDoc	Drawn By: Arukgoda A.M.O.

Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	CAP CER 0.1UF 50V X7R RADIAL	C1	FP-SR20-MFG	CMP-04427-000013-1	1
22pF	Cap Ceramic 22pF 50V COG ±5% Radial 2.5mm +125°C Ammo Pack	C2, C3	FP-RCE0DB-MFG	CMP-06035-057691-1	2
FOXSLF/160-20	Resistance Weld Thru-Hole Crystal, 16 MHz, -20 to 70 degC, 2-Pin THD, RoHS, Bulk	Crystal	FOX-FOXSLF160-20	CMP-1749-00003-1	1
power	OMNIMATE Signal - series PM	J1	PM_5_08_90_02	CMP-1559-01627-1	1
buck_in	OMNIMATE Signal - series PM	J2	PM_5_08_90_02	CMP-1559-01627-1	1
buck_out	OMNIMATE Signal - series PM	J3	PM_5_08_90_02	CMP-1559-01627-1	1
61300211121	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 2 pins	J4	61300211121	CMP-1712-00002-4	1
1760490000	OMNIMATE Signal - series PM	J5	PM_5_08_90_02	CMP-1559-01627-1	1
relay_s	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	J6	61300311121	CMP-1502-01062-1	1
relay_p	OMNIMATE Signal - series PM	J7	PM_5_08_90_02	CMP-1559-01627-1	1
left_sonar	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 4 pins	J8	61300411121	CMP-1502-01064-1	1
mid_sonar	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 4 pins	J9	61300411121	CMP-1502-01064-1	1
right_sonar	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 4 pins	J10	61300411121	CMP-1502-01064-1	1
61300411121	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 4 pins	J11, J12, J13	61300411121	CMP-1502-01064-1	3
1716090000	OMNIMATE Signal - series LM	J14	LM_5_08_90_03	CMP-1559-01768-1	1
1M	RES 10K OHM 0.6W 1% AXIAL	R1, R2, R3	FP-MBB0207-MFG	CMP-02408-000035-1	3
1k	RES 1K OHM 0.6W 1% AXIAL	R4	FP-MRS25-MFG	CMP-02408-000051-1	1
2k	RES 1K OHM 0.6W 1% AXIAL	R5	FP-MRS25-MFG	CMP-02408-000051-1	1
10k	RES 10K OHM 0.6W 1% AXIAL	R6	FP-MBB0207-MFG	CMP-02408-000035-1	1
ATmega328-PU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 28-pin PDIP, Industrial Grade (-40°C to 85°C)	U1	28P3	CMP-0095-00015-2	1