



Title		
Size	Number	Revision
A4		
Date:	2/01/2023	Sheet of
File:	C:\Users\...\dc_motor encoder.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
Button 4p dip 6x6	Nut Nhan 4 Chan 6x6mm	BT1, BT2, BT3, BT4	Button 4p 6x6	Button 4p dip 6x6	4
22P		C1, C7	Cap Ceramic 0805	CAP Ceramic SMD	2
104	Cap Ceramic SMD	C2, C3, C8, C11	Cap Ceramic 0805	CAP Ceramic SMD	4
C1815 through hole		C9	TO92127P478H483-3	C1815 through hole	1
Radial 220uF/25V	Radial 220uF/25V	C10, C12, C13	Radial 6.3x12mm	Radial 220uF/25V	3
Diode 1N5282 200mm	Diode Standard 80V 200mA Through Hole DO-35	D1	DIO_1N5282 10mm	Diode 1N5282 200mm	1
B6B	Header 6P	HD1	Header 6P	Header 6P	1
B3B	Header 3P	HD2	Header 3P	Header 3P	1
B2B	Header 2P	HD3	Header 2P	Header 2P	1
PIC16F877A-I/P	PIC PIC® 16F Microcontroller IC 8-Bit 20MHz 14KB (8K x 14) FLASH 44-TQFP (10x10)	J1	DIP254P1524X483-40	PIC16F877A-I/P	1
JACK DC 5.5	2,0 x 6,5 mm, 2,5 A, Yatay, AÃ§Ã±k Delik, Dc GÃ¼Ã§ JakÃ± KonnektÃ¶rÃ¼	J2	JACK DC	JACK DC 5.5	1
5	JUMP5x1	JP1	JUMP5_T_MALE	JUMP 1x5	1
B4B	JUMP4x1	JP2	JUMP4_T_MALE	JUMP 1x4	1
I298N MODULE		L1	L298N MODULE	I298N MODULE	1
16x02	LCd16x02	LCD1	LCD16X02_DATA	LCD16x2	1
470R		R1	Res_0805	Res SMD	1
10K		R2, R3, R4	Res_0805	Res SMD	3
0R		R5, R8	Res_0805	Res SMD	2
220R		R6	Res_0805	Res SMD	1
1K		R7	Res_0805	Res SMD	1
Resistor		R9, R10, R11	Res_0805	Res SMD	3
MTS 103		SW1	MT 103	MTS 103	1
PC817	Optoisolator Transistor Output 5000Vrms 1 Channel 4-DIP	U1	PC817 DIP	PC817	1
AMS1117	Sot223/Pkg 1-Amp 5-Volt Low Drop Out Voltage Regulatator	U2	AMS1117	AMS1117	1
10K	CÃ¡m	VR1	Bien Tro Tam Giac Dung	Potentiometer triangle lie	1
Crytal _SMD	20MHz Crystal Series 30 Ohms HC-49/US	Y1	Crytal_DIP	Crytal	1