

Bill of Materials

Bi-Polar Stepper Motor Driver

Source Data From: MotorControllerProject.PrjPCB

Project: MotorControllerProject.PrjPCB

Variant: None

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Footprint	Comment	LibRef	Designator	Description	Quantity
RAD-0.3	Сар	Сар	C1, C2	Capacitor	2
DO-201AD	Diode 1N5408	Diode 1N5408	D1, D2, D3, D4, D5, D6, D7, D8	3 Amp Medium Power Silicon Rectifier	8
				Diode	
LED-0	LED0	LED0	D9	Typical INFRARED GaAs LED	1
DO-35	Diode 1N4148	Diode 1N4148	D10	High Conductance Fast Diode	1
HDR1X6	Header 6	Header 6	P1	Header, 6-Pin	1
HDR1X4	Header 4	Header 4	P2	Header, 4-Pin	1
2N3904	2N3904	2N3904	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9,	NPN General Purpose Amplifier	10
			Q10		
AXIAL-0.3	Res1	Res1	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10,	Resistor	22
			R11, R12, R13, R14, R15, R16, R17, R18,		
			R19, R20, R21, R22		
TO-220	TIP126	TIP126	U1, U2, U3, U4	TIP126 -PNP	4
TO-220	TIP120	TIP120	U5, U6, U7, U8	NPN 60V -5A TO-220	4
N08E	LM555CN	LM555CN	U9	Timer	1
648-06	MC74HC194N	MC74HC194N	U10	4-Bit Bidirectional Universal Shift Register	1
NE016	SN754410NE	SN754410NE	U11	Quadruple Half-H Driver	1
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Approved Notes