

OMNIBUS Stepper board v2

Part	Value	Device	Package	Description	Price		
5V	green	LEDCHIPLED_0805	CHIPLED_0805	LED	0,23		
12V	green	LEDCHIPLED_0805	CHIPLED_0805	LED	0,23		
C1	100uf 50V	CPOL-EUE5-6	E5-6	POLARIZED CAPACITOR, European symbol	1		
C2	100uf 50V	CPOL-EUE5-6	E5-6	POLARIZED CAPACITOR, European symbol	1		
C3	100uf 50V	CPOL-EUE5-6	E5-6	POLARIZED CAPACITOR, European symbol	1		
C4	0.33uf	C-EUC1206 Tantal	C1206	CAPACITOR, European symbol	1,18		
C5	100uf 50v	CPOL-EUE5-8.5	E5-8,5	POLARIZED CAPACITOR, European symbol	0,5		
C6	0.33uf 50v	C-EUC1206 Tantal	C1206	CAPACITOR, European symbol	1,18		
C7	100nf	C-EUC0805	C0805	CAPACITOR, European symbol	0,054		
C8	100nf	C-EUC0805	C0805	CAPACITOR, European symbol	0,054		
C9	100nf	C-EUC1206	C1206	CAPACITOR, European symbol	0,054		
C10	100nf	C-EUC0805	C0805	CAPACITOR, European symbol	0,054		
C11	100nf	C-EUC0805	C0805	CAPACITOR, European symbol	0,054		
D1	10SQ045	10SQ050	DIOAD885W125L910D885		1		
D2	SS310	SS310	DO-214AC	SCHOTTKY DIODES 40Vpeak, 28Vrms 5A (SBD) SMA(DO-214AC)	0,1		
D4	SS310	SS310	DO-214AC	SCHOTTKY DIODES 40Vpeak, 28Vrms 5A (SBD) SMA(DO-214AC)	0,1		
DIR	KF301-3P	691131710003	691131710003	WR-TBL Terminal block - CUU5/3 - 3 Pins;=>Code :	0,125		
EN-LOW	pin header and jumper	PINHD-1X2	1X02	PIN HEADER	0		
FAN	JST XH 2p	22-23-2021	22-23-2021	.100 (2.54mm) Center Header - 2 Pin"	0,255		
J1	JST XH 3p	CONN_03	1X03	Multi connection point. Often used as Generic Header-pin footprint for 0.1 inch spaced/style header connections	0,255		
JP1	BEC wire	PINHD-1X1	1X01	PIN HEADER	0		
JP2	BEC wire	PINHD-1X1	1X01	PIN HEADER	0		
JP3	BEC wire	PINHD-1X1	1X01	PIN HEADER	0		
JP4	BEC wire	PINHD-1X1	1X01	PIN HEADER	0		
JP_X	pin header double row	PINHD-2X3	2X03	PIN HEADER	0,2		
JP_Y	pin header double row	PINHD-2X3	2X03	PIN HEADER	0,2		
JP_Z	pin header double row	PINHD-2X3	2X03	PIN HEADER	0,2		
K7	KF301-5P (or 2+3p)	691131710005	691131710005	WR-TBL Terminal block - CUU5/5 - 5 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710005	0,25		
K8	KF301-5P (or 2+3p)	691131710005	691131710005	WR-TBL Terminal block - CUU5/5 - 5 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710005	0,25		
K9	KF301-5P (or 2+3p)	691131710005	691131710005	WR-TBL Terminal block - CUU5/5 - 5 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710005	0,25		
LASER-ON	blue	LEDCHIPLED_0805	CHIPLED_0805	LED	0,23		
MIC2954	MIC2954	MIC2954	SOT223	5V 250mA regulator	1,024		
POW	KF301-3P	691131710003	691131710003	WR-TBL Terminal block - CUU5/3 - 3 Pins;=>Code :	0,125		
PWR	green	LEDCHIPLED_0805	CHIPLED_0805	LED	0,23		
Q1	BTS134D	FQD7N10LTM	TO-252	MOSFET N-CH 100V 5.8A 350mOhm 6nC DPAK Check prices	0,475		
R1	1k	R-EU_R0805	R0805	RESISTOR, European symbol	0,036		
R2	10k	R-EU_R0805	R0805	RESISTOR, European symbol	0,036		
R3	470	R-EU_R0805	R0805	RESISTOR, European symbol	0,036		
R4	330	R-EU_R0805	R0805	RESISTOR, European symbol	0,036		
R5	1k	R-EU_R0805	R0805	RESISTOR, European symbol	0,036		
R6	1k	R-EU_R1206	R1206	RESISTOR, European symbol	0,036		
R7	1k	R-EU_R0805	R0805	RESISTOR, European symbol	0,036		
RAW	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125		
PWM	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125		
STEP	KF301-3P	691131710003	691131710003	WR-TBL Terminal block - CUU5/3 - 3 Pins;=>Code :	0,125		
U2	L7805ACD2T-TR	L7805ACD2T-TR	TO254P1515X470-3N	12V Positive voltage regulator ICs Check prices	0,603		
X	2.54 FEM CON 2x	DRV8825_STEPPER_MOTOR_DRIVER_CARRIER	IC_DRV8825_STEPPER_MOTOR_DRIVER_CARRIER	Stepper motor controller; IC: DRV8825; 1.5A; Uin mot: 8.2÷45V	0,5		
X. MOTOR	JST XH 4p	22-23-2041	22-23-2041	.100 (2.54mm) Center Header - 4 Pin"	0,255		
Y	2.54 FEM CON 2x	DRV8825_STEPPER_MOTOR_DRIVER_CARRIER	IC_DRV8825_STEPPER_MOTOR_DRIVER_CARRIER	Stepper motor controller; IC: DRV8825; 1.5A; Uin mot: 8.2÷45V	0,5		
Y. MOTOR	JST XH 4p	22-23-2041	22-23-2041	.100 (2.54mm) Center Header - 4 Pin"	0,255		
Z	2.54 FEM CON 2x	DRV8825_STEPPER_MOTOR_DRIVER_CARRIER	IC_DRV8825_STEPPER_MOTOR_DRIVER_CARRIER	Stepper motor controller; IC: DRV8825; 1.5A; Uin mot: 8.2÷45V	0,5		
Z. MOTOR	JST XH 4p	22-23-2041	22-23-2041	.100 (2.54mm) Center Header - 4 Pin"	0,255		
PCB	FAB				3		
MNT	Work				7		
					<b>BOM</b>	<b>25,354</b>	