

OpenPnP Driver ver. 1.3

Reference(s)	Qty	Value	Footprint
Resistors			
R31, R33, R35, R37	4	10R	SMD 1206
R27, R28	2	33R	SMD 1206
R5	1	560R	SMD 1206
R9, R10, R11, R12, R13, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51	27	1k	SMD 1206
R4	1	1k2	SMD 1206
R29	1	1k5	SMD 1206
R3	1	3k3	SMD 1206
R2	1	6k8	SMD 1206
R1, R6, R7, R8, R14, R15, R16	7	10k	SMD 1206
R30, R32, R34, R36, R38, R39	6	100k	SMD 1206
Capacitors			
C28, C29	2	12pF	SMD 1206
C36, C37	2	18pF	SMD 1206
C38, C39, C40, C41, C42, C43	6	10nF	SMD 1206
C2, C3, C5, C6, C9, C10, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C30, C44, C45, C47	24	100nF	SMD 1206
C12	1	22uF/15V	SMD CP Elec 5x5.3
C11, C13	1	47uF/15V	SMD CP Elec 6.3x5.8
C8	1	220uF/35V	SMD CP Elec 8x10
C1, C31, C32, C33, C34, C35, C46	7	330uF/35V	SMD CP Elec 10x10
C4, C7	2	470uF/25V	SMD CP Elec 10x10
Inductors			
L1	1	100uH	SMD SMT54
Oscillators			
X1	1	12MHz	SMD 5032 4 pins 5.0x3.2mm
Diodes			
D1	1	Zener diode 15V	SMD MINIMELF
D2, D3, D4, D7	4	LED ORANGE	SMD 1206
D8	1	LED RED	SMD 1206
D9, D10, D11, D12	4	LED GREEN	SMD 1206
D5, D6	2	SS26	SMD SMA DO214AC
D13, D14, D15, D16	4	ES3D	SMD SMC DO214AB
Transils			
TR1	1	SZ1SMA28AT3G	SMD SMA DO214AC
Transistors			
T1	1	IRF9540	TO220V
T2	1	AO3401	SMD SOT23
T3, T4, T5, T6	4	BUZ11	TO220
T7, T8	2	ZXMN4A06G	SMD SOT223 3
Integrated circuits			
IC1	1	LPC1769FBD100	TQFP100 14x14mm
IC2	1	AMS1117-3.3	SMD SOT223 3
IC3, IC4	2	MC33152	SMD S008
Modules			
MOD1, MOD2	2	MP1584	Module Power source Step down MP1584
MOD3, MOD4, MOD5, MOD6, MOD7	5	TMC2209 / DRV8825	Module Stepper Motor Driver
Switches			
SW1	1	RESET	Switch SMD L6.12mm W3.7mm H2.5mm
SW2	1	ISP BOOT	Switch SMD L6.12mm W3.7mm H2.5mm
SW3	1	PAUSE	Switch SMD L6.12mm W3.7mm H2.5mm
Screws			
S1, S2, S3, S4	4	Plastic screw 6 mm	Mechanical Screw 3.0mm
Connectors			
CON1	1	USB	USB B
CON2, CON19, CON20, CON21, CON22, CON23	6	UART, motors outputs	MA04 1
CON3, CON12, CON13, CON14, CON15, CON16, CON17, CON18, CON24	9	Voltages, outputs, pause	Terminal Screw 02 35MM
CON4, CON5, CON6, CON7, CON8, CON9	6	Inputs	MA03 1
CON10 / CON11	1	MicroSD ver. 01 / 02	SD card
CON25	1	+5V	Connector PSH02 02P