


ASE00038	A1	Major Tom 12V (assembled)	09/01/2023	 POLLEN ROBOTICS	
Ref.	Value	Description	Qty	Man.	Man. Ref.
C3, C4	22u 6V3	Capa 0603	2	Murata	GRM188R61A226ME15D
C5, C6	1u 6V3	Capa 0603	2		
C2, C10, C14, C15, C20, C24, C25, C30, C34, C35	100n 63V	Capa 0603	10		
C7, C11, C21, C31	10u 63V	Capa diam. 6,3 / pas 7,7	4	Multicomp	MCESL100V106M6.3X7.7
C12, C22, C32	10n 63V	Capa 0603	3		
C70-C72	100p	Capa 0603	3		
D1	SMAJ12A	Diode TVS unidir. 12V	1	STMicro	SMAJ12A
FID1-FID3	DNP Fiducial	Fiducial	3		
H1-H3	DNP MountingHole_Pad	Mounting Hole	3		
H5	PCB00021	PCB	1		
H6	DNP Logo Pollen 2021		1		
J1	FFC 0,5 mm	Microcontroller Connector	1	Hirose	FH12-40S-0.5SH(55)
J2	MicroFit2	Power Supply Connector	1	Molex	43650-0210
J10, J20, J30	MicroFit3	Motor Phases Connector	3	Molex	43650-0310
J70-J72	Pico2	Temperature Connector	3	Molex	53398-0271
J73	Pico3	Fan Connector	1	Molex	53398-0371
L1	6,8u 2A	Inductor 6,8u 2A 6x6 mm	1	Bourns	SRN6045TA-6R8M
Q70	AUIRF7341Q	MOSFET Double	1	Infineon	AUIRF7341Q
R4	180k	Res. 0603	1		
R5	20k	Res. 0603	1		
R11, R12, R21, R22, R31, R32	10m	Power Res. 10m 1206 0,2W	6	Panasonic	ERJ8CWFR010V
R10, R13-R15, R20, R23-R25, R30, R33-R35	10k	Res. 0603	12		
R70, R71	100k	Res. 0603	2		
SYM1	SYM_Hot_Small		1		
U2	AP63205	DC-DC buck converter -> 5V	1	Diodes Inc.	AP63205WU
U3	MCP1700T	LDO Regulator -> 3V3	1	MicroChip	MCP1700T-3302E/TT
U11, U12, U21, U22, U31, U32	NCS214	Current Sense Amplifier x100	6	ON Semi	NCS214RSQT2G
U10, U20, U30	DRV8313	BLDC Driver 2,5A peak	3	TI	DRV8313PWP
U70	MAX31730	Temperature + Fan Controller	1	Maxim Integrated	MAX31730AUB+