



BOM LIST MEK06-000-02 PWM Motor Speed Controller

CC1 DESCRIPTION	STOCK CODE	QTY	PART	DESCRIPTION
	35M0408	1	PCK06-0000-01	PCB VERSATILE CONTRO.TINY45/85
U2	64M0059	1	L7805CV	REG FIX POS TO220 5V 1.2A
U3	35M5249	1	ATTINY45-20PU	MICRO DIP 20MHz ATTINY45-20P
Q1	35M4049	1	IRLZ44N	FET N-C TO220 55V 41A 0E022
R1	13M0220	1	CF25-510E-J	RES 1/4W RND C/F 5% 510E
R2	64M0009	1	CF25-1K-J T/B	RES 1/4W RND C/F 5% 1K0
R3,8,9	64M0007	3	CF25-10K-J	RES 1/4W RND C/F 5% 10K
VR3	72M1702	1	F24KNP-B10KL30FCX12	POT S/T LIN P/M 24MM 10K 0.5
C1	14M0649	1	CT4-1206Y334M500F1	CAP CER M/L 330nF 50V P=2.5
C2	82M0833	1	ECR100M25AT1 T/B	CAP ELEC RAD 10uF 25V ST P=2.5
C 4, 5, 6, 8	72M1700	4	CT4-0805Y104M500PF3	CAP CER M/L 100nF 50V P=5
J3, A1,A2	14M2942	3	PHSS02G10-RH	HEADER SIL STR 02W 2.54 TH=12
CN2	64M0024	2	DG301-5.0-02P-12-00A	TERM N/C PCB 2W 5.00 STR BL RN
CN5	14M9276 (14M9276)	1	YTS1N06X (19.00)	SOCK SIL PCB 2.54 STR 06W TL23
U3a	70M0087	1	ISM08T1-03-RH	SOCK DIL 0.3 TULIP RND NAR P08
D1	64M0027	1	1N4007	DIODE RECT 1N4007
D2	64M0082	1	L-53LID	LED 5mm DI-RD RND 5mcd 60D
D3	72M0616	1	1N5817-T/B	DIODE SKY AXL 20V 1A
D7, 11	64M0002	2	1N4148	DIODE HS AXL 75V 0A2 4n 1N4148
D14	14M5763	1	1N4937	DIODE HS AXL 600V 1A 250nS
	14M2129	4	M3-6	SCREW NYLON CHEESE HEAD M3x6
	14M8958	4	SG58352	SPACER PLASTIC FEM-FEM M3x10
J3a, A1a,A2a	64M0035	3	MJ2UH-13.54/RH	SHUNT W/PULL HANDLE 13.5mm
	14M8766	1	YVN08	HEADER SIL STR 08W 2.54 TH=12
	14M5042	1	PHDS-04-G-11	HEADER DIL 04W PCB STR TH=12

Additional Parts to select suitable size heat sink and screws

A0M0021	1	19488-6063-T6	HEATSINK LIP 19488 NAT EXT 97x27x cut
99M20962	1	46317-6063-T6	HEATSINK EXTRUSION 46317 EXT 94x14x Cut
A0M0088	1	33995-6063-T6	HEATSINK EXTRUSION 3395 EXT 97 x28x Cut
	1		
82M0995	1	TYPE 4	Small HEATSINK TO220 15x12x45 W/PIN
14M3100	1	V5220L-SE	HEATSINK TO220 BLK 15x30x20 PI
72M1660	1	SL7141-SILVER	HEATSINK TO220 SM SLV 16x16x25
82M0980	1	TYPE 7	HEATSINK TO220 15x12x25 W/PIN
14M9037	1	SL7141-BLACK	HEAT SINK TO220 O-S SML 15x17x25
	1		
	1		
14M4705	1	TO-220/0.3 13x18mm	WASHER SARCON GY 13x18mm TO220 INS
64M0034	1	TW-5-NYLON-NATURAL	BUSH INSUL M3 3.5x6.2x2.2x1.
14M1133	1	MO-MS-CH-M3S-10ZB	SCREW CHEESE-HEAD M3x10 PLATED
14M1157	1	FWZ3	WASHER M3 FLAT PLATED
14M1160	1	SWZ3	WASHER M3 SPRING PLATED
14M1165	1	NT3	NUT HEX M3 PLATED