


Title			<i>Altium Limited</i> <i>L3, 12a Rodborough Rd</i> <i>Frenchs Forest</i> <i>NSW</i> <i>Australia 2086</i>	
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Comment	Description	Designator	Footprint	LibRef	Quantity
MCP1700T-3302E/TT	Linear Voltage Regulator IC 1 Output 250mA SOT-23-3		SOT95P237X112-3N	MCP1700T-3302E/TT	1
1 µF	CAP CER 1UF 16V X8L 0603	C1, C4	CAP 0603_1608	GCG188L8EE105KA07 D	2
220uF	Dán	C2	tu nhom 8 (f)	Tu Nhom 220uF 25V	1
4.7uF	Dán	C3, C5	tu nhom 4 (b)	Tu Nhom 4.7uF 25V	2
10000 pF	CAP CER 0603 10NF 16V X7R 10%	C6, C7	CAP 0603_1608	C0603C103K4RECAUT O	2
10 µF	CAP CER 10UF 25V X6S 0805, CAP CER 10UF 16V X6S 0805	C8, C10, C12	CAP 0805_2012	CL21X106KAYNNNE, C2012X6S1C106K125A C	3
22 µF	CAP CER 22UF 6.3V X5R 0805	C9	CAP 0805_2012	CL21A226KQONNNE	1
0.1µF	CAP CER 0.1UF 16V X7R 0603	C11	CAP 0603_1608	0603YC104K4T4A	1
1N5819HW-7-F	DIODE SCHOTTKY 40V 1A SOD123	D1, D2, D3, D4, D5, D6, D7, D8	SOD-123	1N5819HW-7-F	8
Yellow	LED YELLOW CLEAR 0603 SMD	D9	LED 0603_1608 YELLOW	IN-S63AT5Y	1
Green	LED GREEN CLEAR 0402 SMD	D11	LED 0402_1005 GREEN	QBLP595-AG15-2897	1
Header 3P 2.54 Duc Thang	Cám	H1	XH2.54M-3	Header 3P 2.54 Duc Thang	1
282837-2	TERM BLK 2P SIDE ENT 5.08MM PCB	J1, J2	TE 282837-2	282837-2	2
10µH	FIXED IND 10UH 1.4A 63.6 MOHM	L1	TDK SLF7032	SLF7032T-100M1R4- 2PF	1
IRF3205SPBF	RoHS Compliant Low RDS_on_ Industry-leading quality Dynamic dv/dt Rating Fast Switching Fully Avalanche Rated 175C Operating Temperature	Q1, Q2, Q3, Q4	TRANS_IRF3205SPBF	IRF3205SPBF	4
BSS138	N-Channel 50 V 220mA (Ta) 350mW (Ta) Surface Mount SOT-23-3	Q6, Q7	SOT95P240X111-3N	BSS138	2
10 Ohms	RES 10 OHM 1% 1/4W 0603	R1, R2, R4, R5	RES 0603_1608	ERJ-UP3F10R0V	4
10 kOhms	RES SMD 10K OHM 1% 1/10W 0603, RES SMD 10K OHM 0.1% 1/10W 0603	R3, R6, R9, R15, R16	RES 0603_1608	AC0603FR-0710KL, TNPU060310K0BZEN0 0	5
52.3 kOhms	RES SMD 52.3KOHM 0.1% 1/10W 0603	R7	RES 0603_1608	ERA-3AEB5232V	1
100 kOhms	RES SMD 100K OHM 5% 1/10W 0603	R8	RES 0603_1608	RCA0603100KJNEA	1
680 Ohms	RES SMD 680 OHM 0.25% 1/10W 0603	R10	RES 0603_1608	RT0603CRD07680RL	1
1 kOhms	RES 1K OHM 0.1% 1/10W 0603	R13	RES 0603_1608	RN73R1JTTD1001B25	1
LM2734YMK	Buck Switching Regulator IC Positive Adjustable 0.8V 1 Output 1A SOT-23-6 Thin, TSOT-23-6	U	SOT95P285X100-6N	LM2734YMK	1
IR2104SPBF	Floating channel designed for bootstrap operation Fully operational to +600 V Tolerant to negative transient voltage dV/dt immune Gate drive supply range from 10 to 20 V Undervoltage lockout 3.3 V, 5 V, and 15 V logic input compatible Cross-conduction prevention logic Matched propagation delay for both channels Internal set deadtime High side output in phase with HIN input Shut down input turns off both channels	U1, U2	SOIC127P600X175-8N	IR2104SPBF	2