



Title		
Size	Number	Revision
A4		
Date:	2016-06-07	Sheet of
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Comment	Description	Designator	Footprint	LibRef	Quantity
10µF	Capacitor, Ceramic, 50V, +/- 10%, 1206 SMD, X5R	C1, C2	CAPC3216N(1206")	10uF 50V 1206 SMD, Ceramic	2
0.1uF, 50V, 10%, X7R, 1608	CAP CER 0.1UF 50V 10% X7R 1608 (0603)	C3, C4, C5	CAPC1608N(0603")	0.1uF, 50V, 10%, X7R, 1608	3
Diode 1N400x	Through Hole Diode	D1	Diode	Diode 1N400x	1
Red	LED, Red, 0805 (2012) SMD, Clear	D2	LED0603	LED, Red, 0805 (2012) SMD, Clear	1
Terminal Blocks	125V 10A Through Hole	J1, J2, J4	2X1 Terminal Blocks - duplicate	Terminal Blocks	3
4x1 Terminal Block		J3	4X1 Terminal Block	4x1 Terminal Block	1
PNP	30V 500mA 225mW SMD	Q2	PNP (MMBTA64LT1GOSCT-ND )	PNP	1
NPN	40V 600mA 300mW SMD	Q3	NPN (MMBT2222ALT1GOSCT-ND)	NPN	1
Comparator	2.2V ~ 10V	Q5	Compartor (576-1318-1-ND)	Comparator	1
10k	Res 10k 1206 SMD	R1, R13	Resistor 1206	10k	2
10k	10kR, 1%, 1/10W, 0603 SMD	R2, R6, R8	RESC1608N(0603")	10kR, 1%, 1/10W, 0603 SMD	3
15k	Res 15k, 0805, SMD	R3	RES 0805	15k	1
20k	Res 20k, 0805, SMD	R4	RES 0805	20k	1
4.7k	4.7kR, 1%, 1/8W, 0805 SMD	R5	RESC2012N(0805")	4.7kR, 1%, 1/8W, 0805 SMD	1
400	Res 400 ohm 1206 SMD	R7	Resistor 1206	400	1
100k	Res 100k, 1203, SMD	R9, R10, R11, R12	Resistor 1206	100k	4
LT1161	Gate Driver, 8V ~ 48V, 4 channels	U1	LT1161	LT1161	1
Buck Converter	8V~28V in, 5V out, 1A, 5W	U2	Buck Converter	Buck Converter	1
Socket IC	DIP Socket IC, SMD	U3	PIC 8-DIP	Socket IC	1