



11/27/2007

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	ROHS	Comments
C1	1	Ceramic capacitor SMD	47uF/25V	20%	1812	Taiyo Yuden	TMK432C476MM-T	Yes	Yes	
C2, C3	2	Ceramic capacitor SMD	47uF/16V	20%	1210	Taiyo Yuden	EMK325BJ476MM-T	Yes	Yes	
C4	1	Ceramic capacitor SMD	3.3nF	5%	0805	TDK	C2012C0G1H332J	Yes	Yes	
C5	1	Ceramic capacitor SMD	10uF/25V	20%	1210	Taiyo Yuden	TMK325BJ106MM-TR	Yes	Yes	
C6	1	Ceramic capacitor SMD	100nF	10%	0805	TDK	C2012X7R1H104K	Yes	Yes	
C7	1	Ceramic capacitor SMD	100pF	5%	0805	TDK	C2012C0G1H101J	Yes	Yes	
C8	1	Ceramic capacitor SMD	2.2nF	10%	0805	TDK	C2012X7R2A222K	Yes	Yes	
D1	1	Surface Mount Schottky Power Rectifier	MBRS260T3G	-	SMB	ON Semiconductor	MBRS260T3G	No	Yes	
D2	1	Schottky Diode 30V	BAT54T1G	-	SOD-123	ON Semiconductor	BAT54T1G	No	Yes	
D5	1	Zener Diode 500 mW 24 V	MMSZ24T1G	5%	SOD-123	ON Semiconductor	MMSZ24T1G	No	Yes	
J1	1	AMPMODU Mod II Right-Angle Horizontal PCB Connector	5535676-5	-	-	TYCO	5535676-5	Yes	Yes	
J2	1	Input connector	DG350-3.50-03	-	-	Degson	DG350-3.50-03	Yes	Yes	
J3, J4	2	Jumper, RM 2.54 mm	Jumper	-	2.54	Harwin	M7686-05	Yes	Yes	
J3, J4	2	Jumper, RM 2.54 mm, PCB pin's	Jumper - PCB pin's	-	0003	Harwin	M20-9990205	Yes	Yes	
Q1	1	Power MOSFET 32Amps, 60Volts, Logic Level, N-Channel	NTD32N06LT4G	-	DPAK	ON Semiconductor	NTD32N06LT4G	No	Yes	
Q2	1	PNP General Purpose Transistor	MMBT3906LT1G	-	SOT-23	ON Semiconductor	MMBT3906LT1G	No	Yes	
Q3	1	General Purpose Transistor NPN	BC817-40LT1G	-	SOT-23	ON Semiconductor	BC817-40LT1G	No	Yes	
R1	1	Resistor SMD	WSL1206 -0.05R/0.5W	1%	1206	Welvyn	WSL1206 -0.05R/0.5W	Yes	Yes	
R2	1	Resistor SMD	8k2	1%	0805	Vishay	CRCW08058K20FKEA	Yes	Yes	
R3	1	Resistor SMD	1k5	1%	0805	Vishay	CRCW08051K50FKEA	Yes	Yes	
R4	1	Resistor SMD	1k	1%	0805	Vishay	CRCW08051K00FKEA	Yes	Yes	
R5	1	Resistor SMD	1k2	1%	0805	Vishay	CRCW08051K20FKEA	Yes	Yes	
R6, R7, R8	3	Resistor SMD	0R68	5%	1206	Tyco Electronics	RL73K2BR68JTD	Yes	Yes	
R9	1	Resistor SMD	10k	1%	0805	Vishay	CRCW080510K0FKEA	Yes	Yes	
R10	1	Resistor SMD	100R	1%	0805	Vishay	CRCW0805100RFKEA	Yes	Yes	
T1	1	Dual inductor	PF0553.153NL	-	-	Pulse Eng.	PF0553.153NL	Yes	Yes	
IC1	1	Constant Current Switching Regulator	NCV3065MNTXG	-	DFN	ON Semiconductor	NCV3065MNTXG	No	Yes	