



Title		
Size	Number	Revision
A3		
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Component	Description	Designator	Footprint	Library	Quantity
W1204017-006	Capacitor	A1	W1204017-006-A1-01	W1204017-01	1
10V	Polarized Capacitor (Radial)	C1, C8	10V100P10mm10-0.2mm	Cap Part	2
25V	Polarized Capacitor (Radial)	C3, C4	10V100P10mm10-0.2mm	Cap Part	2
10V	Polarized Capacitor (Radial)	C2, C10, C30, C38, C39, C41	10V100P10mm10-0.2mm	Cap	6
25V	Polarized Capacitor (Radial)	C5	10V100P10mm10-0.25mm	Cap Part	1
600V	Polarized Capacitor (Radial)	C6	10V100P10mm10-0.25mm	Cap Part	1
2.2uF	Capacitor (Semiconductor SMD Model)	C7	0603	Cap	1
10uF	Capacitor (Semiconductor SMD Model)	C9	0805	Cap Semi	1
1.2uF	Capacitor (Semiconductor SMD Model)	C10	0805	Cap Semi	1
880uF	Capacitor (Semiconductor SMD Model)	C11	0805	Cap Semi	1
650V	Polarized Capacitor (Radial)	C12	C150	Cap Part	1
105	CR8	C13	CR8_02	Cap Semi	1
25v	Polarized Capacitor (Radial)	C14	10V_25uF	Cap Part	1
10uF	Capacitor (Semiconductor SMD Model)	C15	0805	Cap Semi	1
100uF	Capacitor (Semiconductor SMD Model)	C16, C20, C25	0805	Cap, Cap Semi	3
0.47uF	Capacitor	C17	0805	Cap	1
1uF	Capacitor	C18, C21, C22, C23	0805	Cap	4
2.2uF	Capacitor	C24	0805	Cap	1
1.2uF	Capacitor	C26	0805	Cap	1
100p	Capacitor	C27, C37	0805	Cap	2
100p	Capacitor	C28	0805	Cap	1
15A	0.010	C29	0805	Cap	1
22uF	0.010	C31	C0812	Cap	1
250V	10V100P, 1.2 1.75 105 C	C34	C_100V_100uF	Cap Part	1
1.5uF	Capacitor	C35	0805	Cap	1
102	Capacitor	C40	0603	Cap	1
Diode 1N4148	High Conductance Fast Diode	D1	0805	Diode 1N4148	1
Diode 1N4007	T-1 Amp General Purpose Rectifier	D2	0805	Diode 1N4007	1
1N4007	Diode	D3	0805	Diode 1N4007	1
FR105	High Conductance Fast Diode	D4	SMA	Diode 1N4148	1
1N4148	Diode	D5	SMA	Diode 1N4148	1
FR107	T-1 Amp General Purpose Rectifier	D6	SMA	Diode 1N4007	1
1N4148	Diode	D7	FD020AB	Diode 1N4007	1
1N4148	T-1 Amp General Purpose Rectifier, High Conductance Fast Diode	D8, D10, D16, D17, D21	0805	Diode 1N4007, Diode 1N4148	5
Bridge1	Full Wave Diode	D9	0603	Bridge1	1
1N4148 18V	Diode	D10	1206	Diode	1
D Schottky	Schottky Diode	D11, D18	0603	Diode Schottky	2
LED_200W	Power LED (SMD LED)	D12	2_3-08	LED1	1
8A516	Diode	D13, D14, D19, D20	0603	Diode	4
TL431ACLP	Programmable Precision Reference	D22	0603	TL431ACLP	1
1404F1	Resistor	E1, E2, E3, E4, E5, E6	1404F1_15.5K7.5	Res2	6
Inductor	Inductor	E11	0603	Inductor	1
Trans Eq	Transformer (Equivalent Circuit Model)	E11	E1E_20u10	Trans Eq	1
Trans Eq	Transformer (Equivalent Circuit Model)	E12	E1E_23u13	Trans Eq	1
1.5A	Resistor	F1, F2	0603	Res2	2
Inductor	Inductor	F1	0603	Inductor	1
DC_4uH	Inductor	F2	0603	Inductor	1
10uH	Inductor	F3	FD020	Inductor	1
1301	Resistor	N1, N2, N3	R_0603_010_01	Res2	3
RS17260306.002	Resistor	N7	NTC_3236_11.5K3	Res2	1
MOS08	Header, 3-Pin, Right	P1	3_5.08	Header 3P	1
Header 2	Header, 2-Pin	P8	2_5.08	Header 2	1
TOP223Y	MC-Channel Power MOSFET	Q1	TO-220AB	HMOS-2	1
MMOS-2	MC-Channel Power MOSFET	Q2, Q3, Q8, Q8	FD020AB	HMOS-2	4
0.010 0.010	4-Pin Phototransistor	Q4	01V_0101_2.54	Photo MPM	1
MPN	MPN Regulator	Q5	0101-23	MPN	1
MPN	MPN Regulator	Q7	0101-23	MPN	1
Header 4X2	Header, 4-Pin, Dual	Q22	0108_N	Header 4X2	1
47K	Resistor	R1	0603	Res2	1
1K	Resistor	R2, R3, R4, R24	0805	Res2	5
1.8	Resistor	R5	0805	Res2	1
10K	Resistor	R6, R11	1206	Res2	2
10K	Resistor	R7, R8	1206	Res2	2
20K	Resistor	R9	1206	Res2	1
10K	Resistor	R10, R26, R33, R36, R38, R39, R40, R45, R50, R51	0805	Res2	10
1.5M	Resistor	R12, R14	1206	Res2	2
10K	Resistor	R13	0603	Res2	1
100	Resistor	R15	R_1.5	Res2	1
22K	Resistor	R16	1206	Res2	1
251210	Resistor	R17	2512	Res2	1
1.5K	Resistor	R18, R27, R28	0805	Res2	3
2.2K	Resistor	R19, R25, R31	0805	Res2	3
10K	Resistor	R20, R32	0805	Res2	2
10K	Resistor	R21, R29	1206	Res2	2
4.7K	Resistor	R23	0805	Res2	1
22K	Resistor	R25, R30, R33, R47	0805	Res2	4
1.5A	Resistor	R34	R332512	Res2	1
220	Resistor	R37, R48	0805	Res2	2
10K	Resistor	R41	0805	Res2	1
NTC	Variable Voltage Divider (Resistor)	R42	0603	Res, Variable	1
RS10	Resistor	R44	0805	Res2	1
1.1K	Resistor	R45	0805	Res2	1
10K	Resistor	R46	0805	Res2	1
2.2K	Resistor	R52	0805	Res2	1
100	Resistor	R53	0603	Res2	1
0	Resistor	R55	0805	Res2	1
0	Resistor	R56	FD020	Res2	1
EE19	Core-Winding Transformer (Non-Isolated)	T1	FM6	Trans3	1
Trans BB	BB-Isolated Transformer (Isolated)	T11	PM04	Trans BB	1
PC817	4-Pin Phototransistor Optocoupler	U1	20P-4	Optocoupler1	1
4562	IC	U3	0108_L	4562	1
UC1C7340D	IC	U4	0108_N	UC1C7340D	1
UC1C28710	IC	U5	0108	UC1C28710	1
LM358D	Dual Low-Power Operational Amplifier	U7	0108_L	LM358D	1
HL2501	4-Pin Phototransistor Optocoupler	U8	0104	Optocoupler1	1
TL08	Voltage Regulator	U11	0108	Volt Reg	1
0.1uF	Capacitor (Semiconductor SMD Model)	X1, X2, X3	X2(1)-10-13uF	Cap Semi	3
1.2uF	Capacitor (Semiconductor SMD Model)	Y1, Y2, Y3, Y4	Y(1)-10-15uF.5	Cap Semi	4
2.2uF	Capacitor	Z1, Z8	C_4X4	Cap	2