



Title		
Size	Number	Revision
A3		
Date:	2019-6-25	Sheet of
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Bill of Materials

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Source Data From: KT-60W_PrpPcb
 Project: KT-60W_PrpPcb
 Variant: None

Creation Date: 2019-8-25 3:48:00
 Print Date: 13641 13641.40888

Ref/Part	Comment	Lib/Ref	Designator	Description	Quantity
C1205	1711KV	Cap	C1	Capacitor	1
DP-C-5mm	222/1KV	Cap	C2	Capacitor	1
0805	103/60V	Cap	C3	Capacitor	1
DP-C-R-10mm	470uF/50V	Cap Pol2	C4, C5	Polarized Capacitor (Axial)	2
DP-C-R-3mm	220uF/50V	Cap Pol2	C6	Polarized Capacitor (Axial)	1
DP-C-R18-430-WS	68uF/450V	Cap Pol2	C7	Polarized Capacitor (Axial)	1
DP-C-R-12.6x5.6mm	474/630V	Cap	C8, C9	Capacitor	2
DP-C-R-3.4mm	47uF/50V	Cap Pol2	C10	Polarized Capacitor (Axial)	1
DP-C-R-3.4mm	100uF/35V	Cap Pol2	C11	Polarized Capacitor (Axial)	1
0805	102/60V	Cap	C12	Capacitor	1
DP-C-R-5mm	4.7uF/50V	Cap Pol2	C13	Polarized Capacitor (Axial)	1
DP-C-R-5mm	33uF/50V	Cap Pol1	C14	Polarized Capacitor (Radial)	1
0805	102/100V	Cap	C15, C25	Capacitor	2
0805	105/25V	Cap	C16	Capacitor	1
0805	224	Cap	C17	Capacitor	1
0805	NC	Cap	C18	Capacitor	1
0805	103/100V	Cap	C19, C31	Capacitor	2
0805	103/50V	Cap	C20	Capacitor	1
0805	170PF/25V	Cap	C22	Capacitor	1
DP-C-R-5mm	10uF/25V	Cap Pol2	C23	Polarized Capacitor (Axial)	1
0805	104/50V	Cap	C24	Capacitor	1
DP-C-15mm-CX	0.33uF/1/275V	Cap	C26	Capacitor	1
DP-C-R-5mm	2.2uF/25V	Cap Pol2	C27	Polarized Capacitor (Axial)	1
0805	171/25V	Cap	C28, C29	Capacitor	2
0805	471	Cap	C30	Capacitor	1
CY-P/N10mm	Cap	Cap	C32	Capacitor	1
DP-C-5mm	1.33uF/1/275V	Cap	C33, C34	Capacitor	2
DP-D-P-P/N18mm	MUR460	Diode	D1	Default Diode	1
DP-D-P/N6mm	MUR460	Diode	D2	Default Diode	1
D1210	J51D	Diode	D3	Default Diode	1
KBPS07	4BL406	Bridge1	D4	Full Wave Diode Bridge	1
D1206	1148	Diode	D5	Default Diode	1
D4007L	FR107	Diode	D6	Default Diode	1
D1205	1N4148	Diode	D7, D9, D10, D11	Default Diode	4
DP-D-P/N5mm	FR207	Diode	D8	Default Diode	1
MOS	MBR20100CT	MBR10100FCT	D12, D13		2
FUSE-R-1*10-P/N5mm	2A/250V	Fuse Thermal	FU1	Thermal Fuse	1
DP-L-13*5mm	100T	Inductor	L1	Inductor	1
DP-L-10x5mm-D	D10*5 70UH	Trans Eq	L2	Transformer (Equivalent Circuit Model)	1
DP-L-13*5mm-1	D12*8.5*5 BMH	Trans Eq	L3	Transformer (Equivalent Circuit Model)	1
DP-L-19*8mm-D	D14*8.5*7 13MH	Trans Eq	L4	Transformer (Equivalent Circuit Model)	1
DP-SIP-2P	Header 2	Header 2	D1, D2	Header, 2-Pin	2
SOT-23-2	58850	PNP	Q1	PNP Bipolar Transistor	1
TO-220-L	12N60C	MOSFET-N	Q2	V-Channel MOSFET	1
SOT-23	58050	2N3904	Q3, Q5, Q6	NPN General Purpose Amplifier	3
TO-220-L	22N65C3	MOSFET-N	Q4	V-Channel MOSFET	1
R1206	22R	Res2	R1	Resistor	1
0805	1.5M	Res2	R2, R8, R10, R19, R38, R40	Resistor	6
DP-R-1/2W-P/N4.5mm	200K 1W	Res2	R4	Resistor	1
DP-MT-P/N-10mm*1.5m	10mR	Res2	R5	Resistor	1
0805	10R	Res2	R6, R7	Resistor	2
0805	17K	Res2	R11	Resistor	1
0805	22R	Res2	R12, R28, R50	Resistor	3
0805	10K	Res2	R13, R15, R33, R46	Resistor	4
DP-R-2W-P/N4.5mm	0.22R	Res2	R14	Resistor	1
R1206	3R	Res2	R16	Resistor	1
0805	1K	Res2	R17, R31, R45, R49, R51	Resistor	5
0805	1M	Res2	R18	Resistor	1
0805	NC	Res2	R20	Resistor	1
0805	59K	Res2	R21	Resistor	1
0805	39K	Res2	R22	Resistor	1
0805	3.2K	Res2	R23	Resistor	1
0805	4.7K	Res2	R24, R25	Resistor	2
0805	22K	Res2	R26, R37	Resistor	2
0805	20K	Res2	R27	Resistor	1
R1206	170R	Res2	R29	Resistor	1
0805	4.7K	Res2	R30	Resistor	1
R1206	4.7K	Res2	R32	Resistor	1
0805	300R	Res2	R34	Resistor	1
0805	150K	Res2	R35	Resistor	1
0805	170R	Res2	R36	Resistor	1
0805	33K	Res2	R39	Resistor	1
0805	100K	Res2	R41, R47, R52	Resistor	3
0805	32K	Res2	R42	Resistor	1
DP-R-2W-P/N4.5mm	0.22	Res2	R43	Resistor	1
0805	2.2K	Res2	R48	Resistor	1
7D561	10D391	Res Varistor	RV1	Varistor (Voltage-Sensitive Resistor)	1
PQ3220-1	PQ3220	PQ2620	T1	Transformer	1
RM10	Trans	Trans	T2	Transformer	1
SOP-8	C96563	D	U1	4-Pin Phototransistor Optocoupler	1
DP-PC817-1	Diposdatort1	Diposdatort1	U2	4-Pin Phototransistor Optocoupler	1
SOP-8	D82203	D	U3	1	1
SOT-23-1	TL431A1LP	TL431A1LP	U4	Programmable Precision Reference	1
SOP-8	LM358	LM358	U5	1	1
D1206	15V	D Schottky	ZD1	Schottky Diode	1

Approved

Notes