













Comment	Description	Designator	Footprint	LibRef	Quantity	
Bridge diot	Diode Bridge Convert	BD1	DIO-Bri 1A	Diode Bridge1		1
100nF	Capacitor SMD	C1	CN-SMD-0805	CN-SMD		1
TP	Test point	C1-	TP	TP		1
TP	Test point	C1+	TP	TP		1
1000uF/16V	Cap P 1000μF/16V - 22	C2	CAP1.5/3.4	Cap 4		1
TP	Test point	C2-	TP	TP		1
TP	Test point	C2+	TP	TP		1
1uF	Cap P (Surface Mount)	C3	Cap-Tantalum-3216	Cap Tantalum		1
1nF	Capacitor SMD	C4	CN-SMD-0805	CN-SMD		1
68nF	Capacitor SMD	C5	CN-SMD-0805	CN-SMD		1
10nF	Capacitor SMD	C6	CN-SMD-0805	CN-SMD		1
10uF	Capacitor SMD	C7	CN-SMD-1206	CN-SMD		1
10uF	Capacitor SMD	C8	CN-SMD-1206	CN-SMD		1
TP	Test point	CT1	TP	TP		1
TP	Test point	CT2	TP	TP		1
SMA	Schottky Diode	D1	SMA	Diode Schottky		1
1N4747	Schottky Diode	D2	SMA	Diode Schottky		1
3WAY-0R	3 way 0R solder juncti	D3	3WAY-0R-1608M	NetTie 3WAY-0R		1
HER608	Diode 5A	D5	DIO-5A	Diode 5A		1
HER608		D6	DIO-5A			1
TVS Diode 12V	Diode 5A	D6 D7	SMB	Diode 5A Diode Schottky		1
	Schottky Diode	=:				
TP	Test point	DCIN-	TP TP	TP	-	1
TP	Test point	DCIN+		TP	-	1
F15A	Fuse	F	FUSE SMD	Fuse	-	1
F1A	Fuse	F1	FUSE-SMD-1812	Fuse	1	1
F0.5A	Fuse	F2	FUSE-SMD-1812	Fuse	1	1
Inductor	Inductor	FB1	L0603E	Inductor_SMD	1	1
TP	Test point	HALL-	TP	TP		1
TP	Test point	HALL_OUT	TP	TP		1
TP	Test point	HALL+	TP	TP		1
LM1117-5V		IC1	SOT223	LM1117		1
LM358	. е - е	IC2	SO8	LM358		1
Inductor	Inductor	L1	L-SMD-0805	Inductor_SMD		1
TP	Test point	Laser-	TP	TP		1
TP	Test point	Laser+	TP	TP		1
TP	Test point	LDP-	TP	TP		1
TP	Test point	LDP+	TP	TP		1
TP	Test point	LPWR-	TP	TP		1
TP	Test point	LPWR+	TP	TP		1
TP	Test point	LSTT-	TP	TP		1
TP	Test point	LSTT+	TP	TP		1
JP9x2	WR-PHD 2.54 mm Dua	MCU	JP9-C2T	JP9x2		1
IRF3205	MOSFET N-Channel 55	N1	TO220	IRF3205		1
IRF3205	MOSFET N-Channel 55	N2	TO220	IRF3205		1
TLP181	Capacitor Polarised	OP1	SOP4	TLP181_GB-TPL,F,T_		1
TLP181	Capacitor Polarised	OP2	SOP4	TLP181 GB-TPL,F,T		1
TLP181	Capacitor Polarised	OP4	SOP4	TLP181_GB-TPL,F,T_		1
TP	Test point	OUT-	TP	TP		1
TP	Test point	OUT+	TP	TP		1
TP	Test point	PWR-	TP	TP		1
TP	Test point	PWR+	TP	TP		1
20R1203	MOSFET (N-Channel)	02	TO247	IRFP4468PBF	1	1
10R	Resistor SMD	R1	RES-SMD-0805	Res SMD		1
1k	Resistor SMD	R2	RES-SMD-0805	Res SMD		1
33k	Resistor SMD	R3	RES-SMD-0805	Res SMD		1
33K 1k					<del>                                     </del>	1
		D/I		Pac SMD		
	Resistor SMD	R4	RES-SMD-0805	Res SMD		1
470k	Resistor SMD	R7	RES-SMD-1206	Res SMD		1
470k 10R	Resistor SMD Resistor SMD	R7 R8	RES-SMD-1206 RES-SMD-0805	Res SMD Res SMD		1 1
470k 10R 1k	Resistor SMD Resistor SMD Resistor SMD	R7 R8 R9	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805	Res SMD Res SMD Res SMD		1 1 1
470k 10R 1k 1k	Resistor SMD Resistor SMD Resistor SMD Resistor SMD	R7 R8 R9 R10	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805	Res SMD Res SMD Res SMD		1 1 1 1
470k 10R 1k 1k 470k	Resistor SMD Resistor SMD Resistor SMD Resistor SMD Resistor SMD	R7 R8 R9 R10 R11	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805	Res SMD Res SMD Res SMD Res SMD Res SMD		1 1 1 1 1
470k 10R 1k 1k 470k 2.2k	Resistor SMD	R7 R8 R9 R10 R11 R12	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805	Res SMD		1 1 1 1 1
470k 10R 1k 1k 470k 2.2k	Resistor SMD	R7 R8 R9 R10 R11 R12 R13	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805	Res SMD		1 1 1 1 1 1
470k 10R 1k 1k 470k 2.2k 1lk 120R	Resistor SMD	R7 R8 R9 R10 R11 R12 R13 R14	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-1206 RES-SMD-1206	Res SMD		1 1 1 1 1 1 1
470k 10R 1k 1k 470k 2.2k 1k 120R	Resistor SMD	R7 R8 R9 R10 R11 R12 R13 R14 R15	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1
470k 10R 1k 1k 470k 2.2k 1k 120R	Resistor SMD	R7 R8 R9 R10 R11 R12 R13 R14 R15 R16	RES-SMD-1206 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1
470k 10R 1k 1k 1k 270k 2.2k 1k 1con 1con 1con 1con 1con 1con 1con 1con	Resistor SMD	R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17	RES-SMD-1206 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 11k 11k 12k 470k 2.2k 11k 120R 11k 10k 55k 4.7K	Resistor SMD	R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R17	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 1lk 1lk 470k 2.2.2k 1lk 120R 1lk 100k 5lk 4.7/k 2.2.2k	Resistor SMD	R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R17 R18	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-1206 RES-SMD-1206 RES-SMD-1206 RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 11k 11k 12k 470k 2.2k 11k 120R 11k 10k 55k 4.7K	Resistor SMD	R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R17	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 1k 1k 1k 470k 2, 2k 1k 120R 1l 100 5k 4,7x 2,2k 10R 4,7x 4,7x 4,7x	Resistor SMD	R7 R8 R9 R10 R11 R12 R12 R13 R14 R15 R16 R17 R16 R17 R18 R22 R23 R26	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 1k 1k 1k 2.2k 1k 120R 1k 100 55k 4.7k 2.2k 10R	Resistor SMD	R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R18 R22 R23	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-1206 RES-SMD-1206 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 1k 1k 1k 470k 2, 2k 1k 120R 1l 100 5k 4,7x 2,2k 10R 4,7x 4,7x 4,7x	Resistor SMD	R7 R8 R9 R10 R11 R12 R12 R13 R14 R15 R16 R17 R16 R17 R18 R22 R23 R26	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 11k 11k 11k 12k 470c 2.2k 11k 12l 12l 10R 14k 10R 4.7k 2.2k 10R 4.7k 2.2k 10R	Resistor SMD	R7 R8 R9 R10 R11 R12 R13 R13 R14 R15 R16 R17 R18 R17 R18 R22 R23 R26 R26	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-1206 RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 1k 1k 1k 1k 2470k 2.2k 1k 120R 1k 100 5k 1k 100 5k 1k 100 5k 1k 100 5k 1k 100 6k 1k 100 6k 1k 100 6k 1k 100 6k 1k 1k 100 6k 1k 1k 1k 1k 1k	Resistor SMD	R7 R8 R9 R10 R11 R12 R13 R13 R14 R15 R14 R15 R16 R17 R18 R2 R2 R22 R23 R26 R51 R52	RES-SMD-1206 RES-SMD-0805	Res SMID		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 11k 11k 12k 12k 12k 12k 12k 12k 12k 12k	Resistor SMD	R7 R8 R9 R10 R11 R11 R12 R13 R14 R15 R16 R17 R18 R22 R22 R23 R26 R26 R51	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-1206 RES-SMD-1206 RES-SMD-1206 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 1k 1k 1k 1k 470k 2,2k 1lk 120R 1k 120R 1k 120R 1k 120R 1k 120R 1k 10R 5k 4,7k 2,2.k 10R 47R 1k 10R 0R 0R 4,7k	Resistor SMD	R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R22 R23 R26 R26 R27 R27 R28 R26 R27 R27 R28 R26 R27 R27 R28 R26 R27 R27 R27 R28 R27 R28 R26 R27 R27 R28 R26 R27 R27 R27 R28 R26 R27 R27 R27 R28 R27 R28 R28 R26 R27 R27 R28 R27 R28	RES-SMD-1206 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 1k 1k 1k 1k 270c 2.2k 1k 120c 110c 110c 11c 11c 11c 11c 11c 11c 11c	Resistor SMD	R7 R8 R9 R9 R10 R11 R11 R12 R13 R14 R15 R14 R15 R16 R17 R18 R22 R23 R26 R26 R26 R27 R27 R57 R61 R62 R62 R71 R72	RES-SMD-1206 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-0805 RES-SMD-1206 RES-SMD-1206 RES-SMD-1206 RES-SMD-0805	Res SMD  Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
470k 10R 1k 1k 1k 1k 470k 2,2k 1lk 120R 1k 120R 1k 120R 1k 120R 1k 120R 1k 10R 5k 4,7k 2,2.k 10R 47R 1k 10R 0R 0R 4,7k	Resistor SMD	R7 R8 R9 R10 R11 R12 R12 R13 R14 R15 R14 R15 R16 R17 R17 R18 R22 R23 R23 R26 R51 R51 R52 R61 R62 R62 R71	RES-SMD-1206 RES-SMD-0805	Res SMD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1