

Designator	Comment	Footprint	Quantity
C1	100nF/50V $\pm$ 10%	C 0603 1608	1
C10	100uF/35V $\pm$ 20%	SMD-RVT-6. 3X7mm	1
C11	100nF/50V $\pm$ 10%	C 0603 1608	1
C12	100nF/50V $\pm$ 10%	C 0603 1608	1
C13	150pF/50V $\pm$ 10%	C 0603 1608	1
C14	100uF/35V $\pm$ 20%	SMD-RVT-6. 3X7mm	1
C15	100nF/50V $\pm$ 10%	C 0603 1608	1
C16	220uF/16V $\pm$ 20%	SMD-RVT-6. 3X7mm	1
C17	10uF/35V $\pm$ 20%	C 0805 2012	1
C18	10uF/35V $\pm$ 20%	C 0805 2012	1
C19	10uF/35V $\pm$ 20%	C 0805 2012	1
C2	100nF/50V $\pm$ 10%	C 0603 1608	1
C20	10uF/35V $\pm$ 20%	C 0805 2012	1
C21	100nF/50V $\pm$ 10%	C 0603 1608	1
C22	100nF/50V $\pm$ 10%	C 0603 1608	1
C23	100nF/50V $\pm$ 10%	C 0603 1608	1
C24	100nF/50V $\pm$ 10%	C 0603 1608	1
C25	100nF/50V $\pm$ 10%	C 0603 1608	1
C26	100nF/50V $\pm$ 10%	C 0603 1608	1
C27	100nF/50V $\pm$ 10%/NC	C 0603 1608	1
C28	100nF/50V $\pm$ 10%	C 0603 1608	1
C29	1nF/50V $\pm$ 10%	C 0603 1608	1
C3	22pF/50V $\pm$ 10%	C 0603 1608	1
C30	1nF/50V $\pm$ 10%	C 0603 1608	1
C31	100nF/50V $\pm$ 10%	C 0603 1608	1
C32	100uF/35V $\pm$ 20%	SMD-RVT-6. 3X7mm	1
C33	100uF/35V $\pm$ 20%	SMD-RVT-6. 3X7mm	1
C34	100uF/35V $\pm$ 20%	SMD-RVT-6. 3X7mm	1
C35	100uF/35V $\pm$ 20%	SMD-RVT-6. 3X7mm	1
C36	10pF/50V $\pm$ 10%/NC	C 0603 1608	1
C37	10pF/50V $\pm$ 10%/NC	C 0603 1608	1
C38	100nF/50V $\pm$ 10%	C 0603 1608	1
C39	100nF/50V $\pm$ 10%	C 0603 1608	1
C4	22pF/50V $\pm$ 10%	C 0603 1608	1
C40	100nF/50V $\pm$ 10%	C 0603 1608	1
C5	100nF/50V $\pm$ 10%	C 0603 1608	1
C6	100nF/50V $\pm$ 10%	C 0603 1608	1
C7	100nF/50V $\pm$ 10%	C 0603 1608	1
C8	100nF/50V $\pm$ 10%	C 0603 1608	1
C9	100nF/50V $\pm$ 10%	C 0603 1608	1
D10	LED Red	LED 0603 1608	1
D11	LED BLUE	LED 0603 1608	1
D12	LED BLUE	LED 0603 1608	1
D2	B340A-13-F	D-SMA	1
D3	S1A	D-SMA	1
D4	S1G	D-SMA	1
D5	SS14	SOD-123	1
D6	LED Red	LED 0603 1608	1
D7	LED W	LED 0603 1608	1
D8	LED Red	LED 0603 1608	1

D9	LED Red	LED 0603 1608	1
F1	30A	F 1206 3216	1
F2	15A	F 1206 3216	1
F3	F1812/1.5A	F 1812	1
F4	0.5A	F 0805 2012	1
FID1	Fiducial	FIDUCIAL-1X1mm	1
FID2	Fiducial	FIDUCIAL-1X1mm	1
FID3	Fiducial	FIDUCIAL-1X1mm	1
L1	15uH/3A	L-7x7x4mm	1
M2	LOGO-MAKERBASE-R	Makerbase-R	1
Q1	SS8050	SOT-23	1
R1	10K/ $\pm 1\%$	R 0603 1608	1
R10	100K/ $\pm 1\%$	R 0603 1608	1
R11	100K/ $\pm 1\%$	R 0603 1608	1
R12	24.9K/ $\pm 1\%$	R 0603 1608	1
R13	100K/ $\pm 1\%$	R 0603 1608	1
R14	100K/ $\pm 1\%$	R 0603 1608	1
R15	40.2K/ $\pm 1\%$	R 0603 1608	1
R16	210K/ $\pm 1\%$	R 0603 1608	1
R17	1K/ $\pm 1\%$	R 0603 1608	1
R18	4.7K/ $\pm 1\%$	R 0603 1608	1
R19	100 $\Omega$ / $\pm 1\%$	R 0603 1608	1
R2	10K/ $\pm 1\%$	R 0603 1608	1
R20	4.7K/ $\pm 1\%$	R 0603 1608	1
R21	100 $\Omega$ / $\pm 1\%$	R 0603 1608	1
R22	1K/ $\pm 1\%$	R 0603 1608	1
R23	4.7K/ $\pm 1\%$	R 0603 1608	1
R24	1K/ $\pm 1\%$	R 0603 1608	1
R25	4.7K/ $\pm 1\%$	R 0603 1608	1
R26	1K/ $\pm 1\%$	R 0603 1608	1
R27	4.7K/ $\pm 1\%$	R 0603 1608	1
R28	1K/ $\pm 1\%$	R 0603 1608	1
R29	4.7K/ $\pm 1\%$	R 0603 1608	1
R3	10K	R 0603 X4	1
R30	1K/ $\pm 1\%$	R 0603 1608	1
R31	10K/ $\pm 1\%$	R 0603 1608	1
R32	10K/ $\pm 1\%$	R 0603 1608	1
R33	4.7K/ $\pm 1\%$	R 0603 1608	1
R34	100 $\Omega$ /1%	R 0603 X4	1
R4	4.7K/ $\pm 1\%$	R 0603 1608	1
R41	4.7K/ $\pm 1\%$	R 0603 1608	1
R42	4.7K/ $\pm 1\%$	R 0603 1608	1
R43	4.7K/ $\pm 1\%$	R 0603 1608	1
R44	1.8K/ $\pm 1\%$	R 0603 1608	1
R45	1.8K/ $\pm 1\%$	R 0603 1608	1
R46	1K/ $\pm 1\%$	R 0603 1608	1
R47	1K/ $\pm 1\%$	R 0603 1608	1
R48	22 $\Omega$ / $\pm 1\%$	R 0603 1608	1
R49	22 $\Omega$ / $\pm 1\%$	R 0603 1608	1
R5	10K/ $\pm 1\%$	R 0603 1608	1
R52	1K/ $\pm 1\%$	R 0603 1608	1

R53	4.7K/ $\pm 1\%$	R 0603 1608	1
R54	100K/ $\pm 1\%$	R 0603 1608	1
R55	100K/ $\pm 1\%$	R 0603 1608	1
R56	100K/ $\pm 1\%$	R 0603 1608	1
R57	100 $\Omega$ /1%	R 0603 X4	1
R58	100 $\Omega$ /1%	R 0603 X4	1
R59	100 $\Omega$ /1%	R 0603 X4	1
R6	100 $\Omega$ /1%	R 0603 X4	1
R60	10K/ $\pm 1\%$	R 0603 1608	1
R61	10K/ $\pm 1\%$	R 0603 1608	1
R62	10K/ $\pm 1\%$	R 0603 1608	1
R63	100K/ $\pm 1\%$	R 0603 1608	1
R64	100 $\Omega$ /1%	R 0603 X4	1
R65	10K/ $\pm 1\%$	R 0603 1608	1
R7	10K	R 0603 X4	1
R71	10K/ $\pm 1\%$	R 0603 1608	1
R72	100 $\Omega$ / $\pm 1\%$	R 0603 1608	1
R8	100K	R 0603 X4	1
R9	1M/ $\pm 1\%$	R 0603 1608	1
S1	SW-260G-2P	SW-260G-SMD-3X6X5mm	1
U1	AT24CS16-SSHM	SOIC8	1
U2	W25Q64JVSSIQ	W25QX	1
U4	NCP1117ST33T3G	SOT-223	1
U5	CH340C	SOP-16-150mil	1
U6	STM32F103VET6	LQFP-100 14x14mm P	1
Y2	32.768K/NC	XTAL-3225-SMD-2P	1
Z1	CG0603MLC-05E	R 0603 1608	1
Z2	CG0603MLC-05E	R 0603 1608	1
Z3	CG0603MLC-05E	R 0603 1608	1
M1	LOGO-MAKERBASE	Makerbase-TOP	1
Through Hole Items			1
EXP1	IDC-2.54-2X5P	IDC-2.54-2X5P	1
EXP2	IDC-2.54-2X5P	IDC-2.54-2X5P	1
J1	Header-2.54-2X3P	HDR-2.54-2X3P	1
J10	XH2.54-2P	XH2.54-2P	1
J11	XH2.54-2P	XH2.54-2P	1
J12	XH2.54-3P	XH2.54-3P	1
J13	XH2.54-3P	XH2.54-3P	1
J14	Header-2.54-1X2P	HDR-2.54-1X2P	1
J15	Header-2.54-1X2P	HDR-2.54-1X2P	1
J16	Header-2.54-1X2P	HDR-2.54-1X2P	1
J17	Header-2.54-1X2P	HDR-2.54-1X2P	1
J18	XH2.54-2P	XH2.54-2P	1
J19	XH2.54-2P	XH2.54-2P	1
J2	HG129-5.0-2P	HG129-5.0-2P	1
J20	Header-2.54-1X3P	HDR-2.54-1X3P	1
J21	USB MINI	USB MINI	1
J22	Header-2.54-2X6P	HDR-2.54-2X6P	1
J23	Header-2.54-2X4P	HDR-2.54-2X4P	1
J24	Header-2.54-1X3P	HDR-2.54-1X3P	1
J27	XH2.54-3P	XH2.54-3P	1

J28	Header-2. 54-1X3P	HDR-2. 54-1X3P	1
J29	Header-2. 54-1X3P	HDR-2. 54-1X3P	1
J3	HG129-5. 0-6P	HG129-5. 0-6P	1
J30	Header-2. 54-1X3P	HDR-2. 54-1X3P	1
J31	Header-2. 54-2X4P/G	HDR-2. 54-2X4P	1
J32	Header-2. 54-2X4P/G	HDR-2. 54-2X4P	1
J33	Header-2. 54-2X4P/G	HDR-2. 54-2X4P	1
J34	DIRVE-DIP16	DRIVE DIP16	1
J35	DIRVE-DIP16	DRIVE DIP16	1
J36	DIRVE-DIP16	DRIVE DIP16	1
J37	XH2. 54-4P	XH2. 54-4P	1
J38	XH2. 54-4P	XH2. 54-4P	1
J39	XH2. 54-4P	XH2. 54-4P	1
J4	Header-2. 54-1X3P	HDR-2. 54-1X3P	1
J43	XH2. 54-4P	XH2. 54-4P	1
J44	Header-2. 54-1X2P	HDRS-2. 54-1X2P	1
J45	Header-2. 54-1X2P	HDRS-2. 54-1X2P	1
J46	Header-2. 54-1X2P	HDRS-2. 54-1X2P	1
J47	Header-2. 54-1X3P	HDR-2. 54-1X3P	1
J48	Header-2. 54-2X4P/G	HDR-2. 54-2X4P	1
J49	DIRVE-DIP16	DRIVE DIP16	1
J5	XH2. 54-2P	XH2. 54-2P	1
J50	XH2. 54-4P	XH2. 54-4P	1
J52	Header-2. 54-1X2P	HDRS-2. 54-1X2P	1
J6	XH2. 54-2P	XH2. 54-2P	1
J7	XH2. 54-2P	XH2. 54-2P	1
J8	XH2. 54-2P	XH2. 54-2P	1
J9	XH2. 54-2P	XH2. 54-2P	1
M3	M-HOLES	M-HOLES	1
M4	M-HOLES	M-HOLES	1
M5	M-HOLES	M-HOLES	1
M6	M-HOLES	M-HOLES	1
M7	M-HOLES	M-HOLES	1
Q2	HY1403	TO-252	1
Q3	HY3403D	TO-252	1
SD1	MicroSD	MICROSD	1
U3	MP1584EN	SOIC8E	1
Y1	XTAL-2P-8M	XTAL-49S-DIP-2	1