

Designator	Comment	Footprint	Quantity
C1	12pF	C 0603 1608	1
C10	100nF	C 0603 1608	1
C11	100nF	C 0603 1608	1
C12	100uF	SMD-RVT-6. 3X7mm	1
C13	100uF	SMD-RVT-6. 3X7mm	1
C14	100nF	C 0603 1608	1
C15	100nF	C 0603 1608	1
C16	100uF	SMD-RVT-6. 3X7mm	1
C17	100uF	SMD-RVT-6. 3X7mm	1
C18	100nF	C 0603 1608	1
C19	150pF	C 0603 1608	1
C2	12pF	C 0603 1608	1
C20	10uF	C 0805 2012	1
C21	10uF	C 0805 2012	1
C22	100nF	C 0603 1608	1
C23	18pF	C 0603 1608	1
C24	18pF	C 0603 1608	1
C25	100uF	SMD-RVT-6. 3X7mm	1
C26	100uF	SMD-RVT-6. 3X7mm	1
C27	100uF	SMD-RVT-6. 3X7mm	1
C28	100uF	SMD-RVT-6. 3X7mm	1
C29	100uF	SMD-RVT-6. 3X7mm	1
C3	100nF	C 0603 1608	1
C30	10uF	C 0805 2012	1
C31	10uF	C 0805 2012	1
C32	10uF	C 0805 2012	1
C33	100nF	C 0603 1608	1
C34	100nF	C 0603 1608	1
C35	100nF	C 0603 1608	1
C36	100nF	C 0603 1608	1
C37	100nF	C 0603 1608	1
C38	100nF	C 0603 1608	1
C39	100nF	C 0603 1608	1
C4	10uF	C 0805 2012	1
C40	100nF	C 0603 1608	1
C5	100nF	C 0603 1608	1
C6	100nF	C 0603 1608	1
C7	100nF	C 0603 1608	1
C8	100nF	C 0603 1608	1
C9	100nF	C 0603 1608	1
D1	BLUE	LED 0603 1608	1
D10	LED Red	LED 0603 1608	1
D11	LED Red	LED 0603 1608	1
D12	LED Red	LED 0603 1608	1
D13	LED Red	LED 0603 1608	1
D14	LED Red	LED 0603 1608	1
D2	BLUE	LED 0603 1608	1
D3	BLUE	LED 0603 1608	1
D4	BLUE	LED 0603 1608	1
D5	S1G-13-F	D-SMA	1

D6	S1A-13-F	D-SMA	1
D7	B340A-13-F	D-SMA	1
D8	SS12	D-SMA	1
D9	RED	LED 0603 1608	1
F1	30A	F 1206 3216	1
F2	15A	F 1206 3216	1
F3	1A	F 1812	1
F4	500mA	F 1812	1
L1	15uH/3A	L-7x7x4mm	1
L2	BLM21	L 0805 2012	1
M1	FID	FIDUCIAL-1X1mm	1
M2	FID	FIDUCIAL-1X1mm	1
M3	FID	FIDUCIAL-1X1mm	1
M9	LOGO-MAKERBASE-R	Makerbase-R	1
Q1	FDN340P	SOT-23	1
Q2	A03400	SOT-23	1
Q3	A03400	SOT-23	1
R10	100K	R 0603 1608	1
R11	24. 9K	R 0603 1608	1
R12	100K	R 0603 1608	1
R13	4. 7K	R 0603 1608	1
R14	1. 5K	R 0603 1608	1
R15		33 R 0603 1608	1
R16		33 R 0603 1608	1
R17		10 R 0603 1608	1
R18	10K	R 0603 1608	1
R19	10K	R 0603 1608	1
R2	10K	R 0603 1608	1
R20	10K	R 0603 1608	1
R24	10K	R 0603 1608	1
R25	10K	R 0603 1608	1
R28	4. 7K	R 0603 1608	1
R29	100/ $\pm 1\%$	R 0603 1608	1
R3	1M	R 0603 1608	1
R30	4. 7K	R 0603 1608	1
R31	100/ $\pm 1\%$	R 0603 1608	1
R32	4. 7K	R 0603 1608	1
R33	100/ $\pm 1\%$	R 0603 1608	1
R34	4. 7K	R 0603 1608	1
R35	4. 7K	R 0603 1608	1
R36	4. 7K	R 0603 1608	1
R37	1K/ $\pm 1\%$	R 0603 1608	1
R38	1K/ $\pm 1\%$	R 0603 1608	1
R39	1K/ $\pm 1\%$	R 0603 1608	1
R4	4. 7K	R 0603 1608	1
R40	4. 7K	R 0603 1608	1
R41	4. 7K	R 0603 1608	1
R42	4. 7K	R 0603 1608	1
R43	1K/ $\pm 1\%$	R 0603 1608	1
R44	1K/ $\pm 1\%$	R 0603 1608	1
R45	1K/ $\pm 1\%$	R 0603 1608	1

R46	100/±1%	R 0603 1608	1
R47	100/±1%	R 0603 1608	1
R48	100/±1%	R 0603 1608	1
R5	4.7K	R 0603 1608	1
R6	10K	R 0603 1608	1
R66	100/±1%	R 0603 1608	1
R67	4.7K	R 0603 1608	1
R68	100K	R 0603 1608	1
R7	100K	R 0603 1608	1
R8	210K	R 0603 1608	1
R9	40.2K	R 0603 1608	1
RPK1	100	R 0603 X4	1
RPK10	4.7K	R 0603 X4	1
RPK11	4.7K	R 0603 X4	1
RPK2	100	R 0603 X4	1
RPK3	100	R 0603 X4	1
RPK4	100	R 0603 X4	1
RPK5	100	R 0603 X4	1
RPK6	100	R 0603 X4	1
RPK7	10K	R 0603 X4	1
RPK8	100	R 0603 X4	1
RPK9	100K	R 0603 X4	1
S1	SW-TS42-5P	SW-TS42-SMD-5P	1
U1	LPC1769	LQFP-100 14x14mm P	1
U2	AT24CS16-SSHM	SOIC8	1
U4	NCP1117ST33T3G	SOT-223	1
U5	74HC125PW	TSSOP14	1
Y1	12MHz	XTAL-5032-SMD-4P	1
Z1	CG0603MLC-05E	R 0603 1608	1
Z2	CG0603MLC-05E	R 0603 1608	1
Z3	CG0603MLC-05E	R 0603 1608	1
M8	LOGO-MAKERBASE	Makerbase-TOP	1
Through Hole Items			1
AUX-1	IDC-2.54-2X4PA	IDC-2.54-2X4PA	1
EXP1	IDC-2.54-2X5P	IDC-2.54-2X5P	1
EXP2	IDC-2.54-2X5P	IDC-2.54-2X5P	1
J1	Header-2.54-1X2P	HDR-2.54-1X2P	1
J10	XH2.54-4P	XH2.54-4P	1
J11	2.54-2X4P	HDR-2.54-2X4P	1
J12	XH2.54-4P	XH2.54-4P	1
J13	2.54-2X4P	HDR-2.54-2X4P	1
J14	XH2.54-4P	XH2.54-4P	1
J15	DIRVE-DIP16	DRIVE DIP16	1
J16	DIRVE-DIP16	DRIVE DIP16	1
J17	DIRVE-DIP16	DRIVE DIP16	1
J18	Header-2.54-1X4P	HDR-2.54-1X4P	1
J19	Header-2.54-1X3P	HDR-2.54-1X3P	1
J2	Header-2.54-2X3P	HDR-2.54-2X3P	1
J20	Header-2.54-1X4P	HDR-2.54-1X4P	1
J21	Header-2.54-1X3P	HDR-2.54-1X3P	1
J22	Header-2.54-1X4P	HDR-2.54-1X4P	1

J23	Header-2. 54-1X3P	HDR-2. 54-1X3P	1
J24	2. 54-2X4P	HDR-2. 54-2X4P	1
J25	XH2. 54-4P	XH2. 54-4P	1
J26	2. 54-2X4P	HDR-2. 54-2X4P	1
J27	XH2. 54-4P	XH2. 54-4P	1
J28	DIRVE-DIP16	DRIVE DIP16	1
J29	DIRVE-DIP16	DRIVE DIP16	1
J3	Header-2. 54-1X2P	HDR-2. 54-1X2P	1
J30	Header-2. 54-1X3P	HDR-2. 54-1X3P	1
J31	Header-2. 54-1X4P	HDR-2. 54-1X4P	1
J32	Header-2. 54-1X3P	HDR-2. 54-1X3P	1
J33	Header-2. 54-1X4P	HDR-2. 54-1X4P	1
J34	Header-2. 54-1X3P	HDR-2. 54-1X3P	1
J35	Header-2. 54-1X4P	HDR-2. 54-1X4P	1
J38	XH2. 54-3P	XH2. 54-3P	1
J39	XH2. 54-3P	XH2. 54-3P	1
J4	HG129-5. 0-2P	HG129-5. 0-2P	1
J40	XH2. 54-3P	XH2. 54-3P	1
J41	XH2. 54-3P	XH2. 54-3P	1
J42	XH2. 54-3P	XH2. 54-3P	1
J43	XH2. 54-3P	XH2. 54-3P	1
J44	Header-2. 54-1X2P	HDRS-2. 54-1X2P	1
J45	Header-2. 54-1X2P	HDRS-2. 54-1X2P	1
J46	Header-2. 54-2X5P	HDR-2. 54-2X5P	1
J47	Header-2. 54-1X2P	HDRS-2. 54-1X2P	1
J48	Header-2. 54-1X2P	HDRS-2. 54-1X2P	1
J49	Header-2. 54-1X2P	HDRS-2. 54-1X2P	1
J5	XH2. 54-2P	XH2. 54-2P	1
J50	Header-2. 54-2X3P	HDR-2. 54-2X3P	1
J51	XH2. 54-2P	XH2. 54-2P	1
J52	XH2. 54-2P	XH2. 54-2P	1
J53	EG301-5. 0-4P	EG302-5. 0mm-4P	1
J54	HG129-5. 0-2P	HG129-5. 0-2P	1
J55	2X4P	HDR-2. 54-2X4P	1
J6	XH2. 54-2P	XH2. 54-2P	1
J7	USB	USB-B-TYPE	1
J8	2. 54-2X4P	HDR-2. 54-2X4P	1
J9	XH2. 54-4P	XH2. 54-4P	1
Q4	HY1403	TO-252	1
Q5	HY1403	TO-252	1
Q6	HY3403D	TO-252	1
SD1	MicroSD	MICROSD	1
TB1	XH2. 54-2P	XH2. 54-2P	1
TH1	XH2. 54-2P	XH2. 54-2P	1
TH2	XH2. 54-2P	XH2. 54-2P	1
U3	MP1584EN	SOIC8E	1