







1	2	3	4	5
RefDes	Name	Value	Quantity	Pattern
C101, C102, C104, C108, C110, C113, C117, C118, C208, C209	CAP_0805	10u	10	CAP_0805
C103, C105, C112, C114, C115, C116, C202, C206, C207, C210, C301, C401	CAP_0805	1u	12	CAP_0805
C106, C109, C201, C203, C204, C205, C403	CAP_0603	100p	7	CAP_0603
C107, C111	CAP_0603	6.8n	2	CAP_0603
C302, C303	CAP_1210	22u	2	CAP_1210
C402, C502	CAP_0805	opt	2	CAP_0805
C501	CAP_1210	opt	1	CAP_1210
D101, D104	PMEG4020ETP		2	SOD-128
D102, D103, D401	APL3015SRCPRV-F01		3	APL3015
D501, D502	PMEG4020ETP	opt	2	SOD-128
FB101, FB102, FB201, FB301	BLM18KG221SNID	220 @ 100MHz	4	RES_0603
FD1, FD2, FD3	Fiducial		3	Fiducial
J1, J2, J4, J5, J7, J8	644456-8		6	HDR-1x8T/2.54/20x2
J3	90131-0138		1	HDR-2x18T/2.54x2.54/46x5
J6, J9	90131-0125	opt	2	HDR-2x5T/2.54x2.54/13x5
J10, J203	644456-4	opt	2	HDR-1x4T/2.54/10x2
J11, J12, J13, J301	644456-4		4	HDR-1x4T/2.54/10x2
J101	0022272031		1	Molex 3pin
J201, J202	B3B-XH-A		2	JST B3B-XH-A
J302, J303	PPTC081LFBN-RC		2	HDR-1x8T/2.54/20x2
J401, J402	B2B-XH-A		2	JST B2B-XH-A
J501	OSTVN04A150	opt	1	TB-1x4/2.54/11x7/Sc_H
J502	644456-2	opt	1	HDR-1x2T/2.54/5x2
Q401, Q402, Q403	2N7002		3	SOT23
Q501, Q502	IRLZ44N	opt	2	TO-220
R1, R302, R304, R305, R306, R307, R501, R502, R503, R504, R505	RES_0603	opt	11	RES_0603
R101, R115	RES_1210	0	2	RES_1210
R102, R103, R108, R205, R210	RES_0603	49k9	5	RES_0603
R104, R106, R112, R113, R202, R203, R204, R206, R207, R208, R209, R211, R401, R403, R404, R406	RES_0603	100k	16	RES_0603
R105, R114	RES_0603	464k	2	RES_0603
R107, R111, R402	RES_0603	24k9	3	RES_0603
R109, R405	RES_0603	6k04	2	RES_0603
R110	RES_0603	53k6	1	RES_0603
R201	RES_0603	1k	1	RES_0603
R212, R213	RES_0603	24r9	2	RES_0603
R301, R303	RES_0603	0	2	RES_0603
R407	RES_0603	18r2	1	RES_0603
T101, T102	SRF1260-150M	15uH	2	SRF1260
TP101, TP102, TP103, TP201, TP202, TP203, TP204, TP205, TP206, TP207, TP208, TP501, TP502, TP503	TESTPOINT		14	Round
U101	LT8582		1	4x7DFN
U102	NCP1117ST50T3G		1	SOT223-4
U201	LM4040DIM3-4.1		1	SOT23
U202	TL084D		1	SOIC-14/150mil
U203	LTC2602CMS8		1	MSOP-8
U401	LM321MF		1	SOT23-5
X1	Arduino Mega		1	
X301	A4988 Carrier		1	
1	2	3	4	5

A

B

C

D

A

B

C

D

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
Title				
Resin Shield				
Size	Number			Rev
Date			Drawn by Jay	
resinshield.dch			Document	