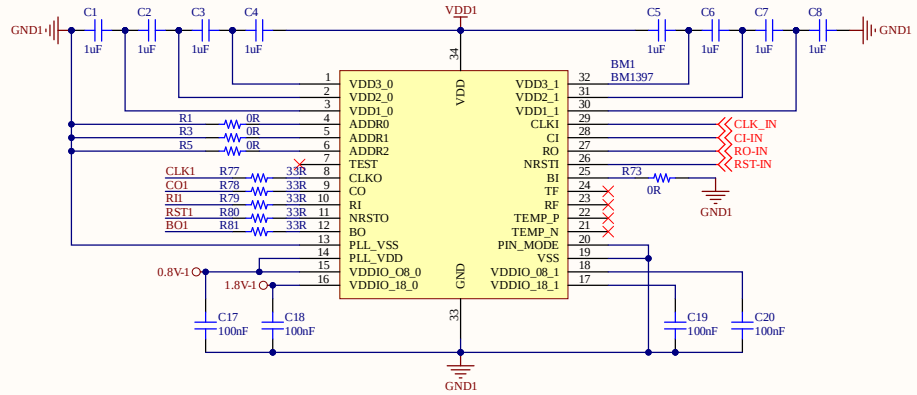
ASIC1



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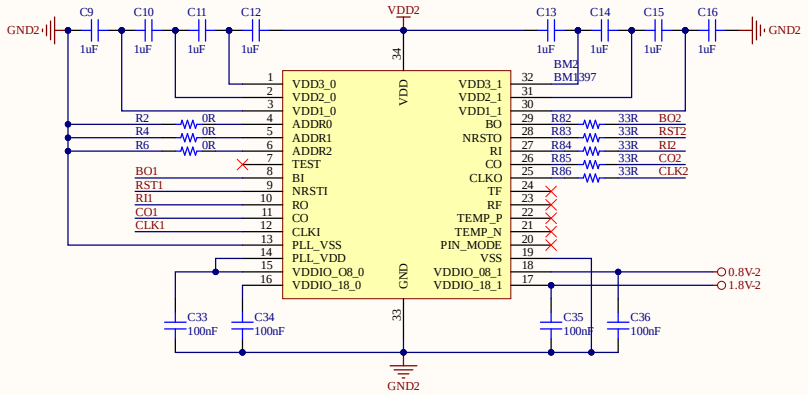

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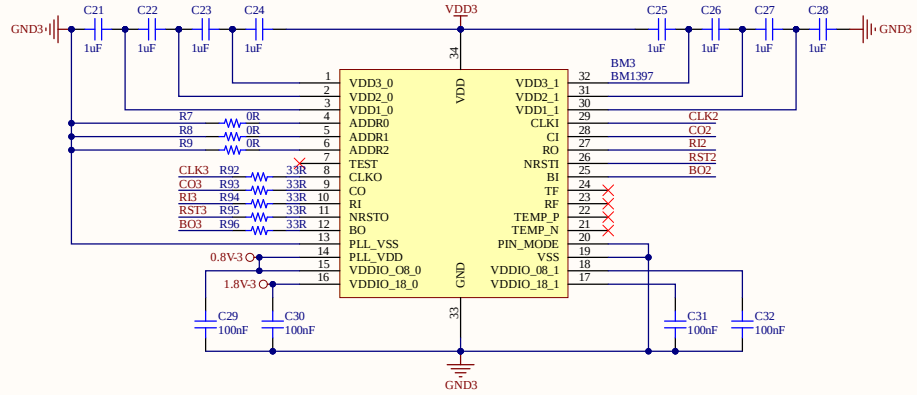

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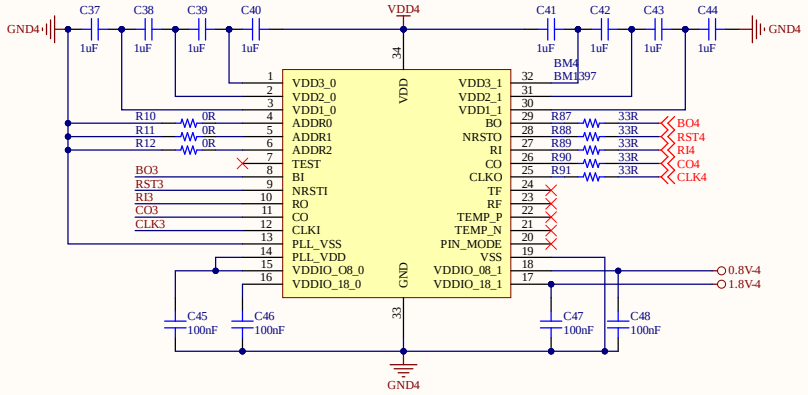

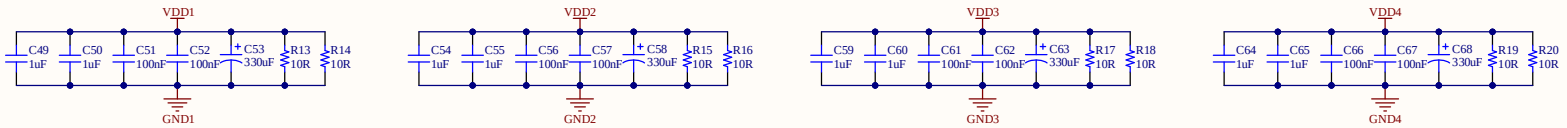

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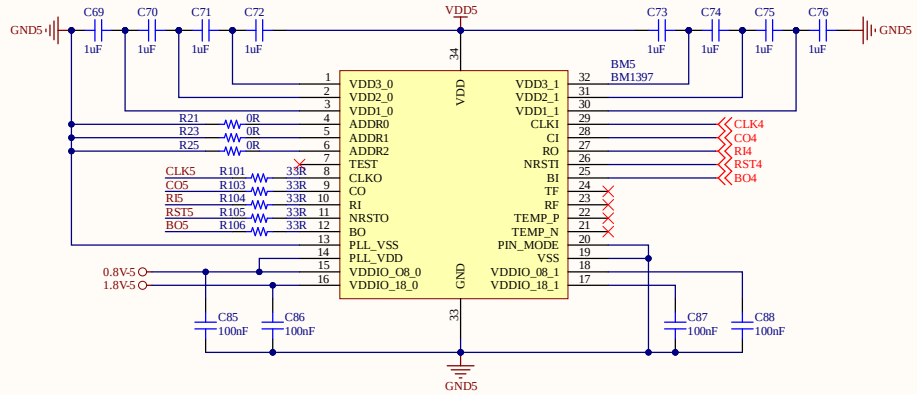

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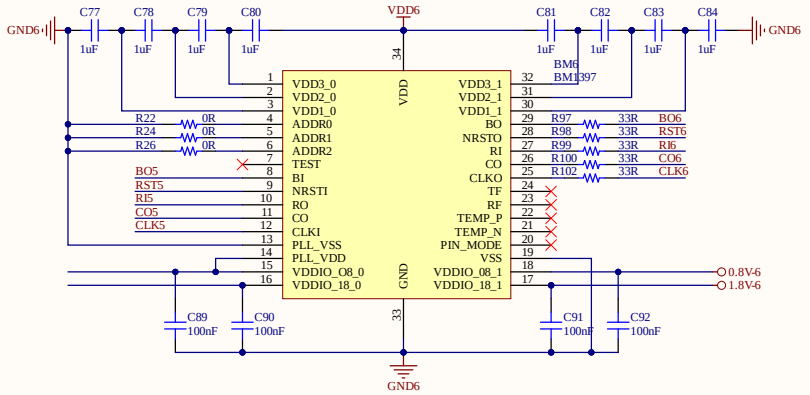

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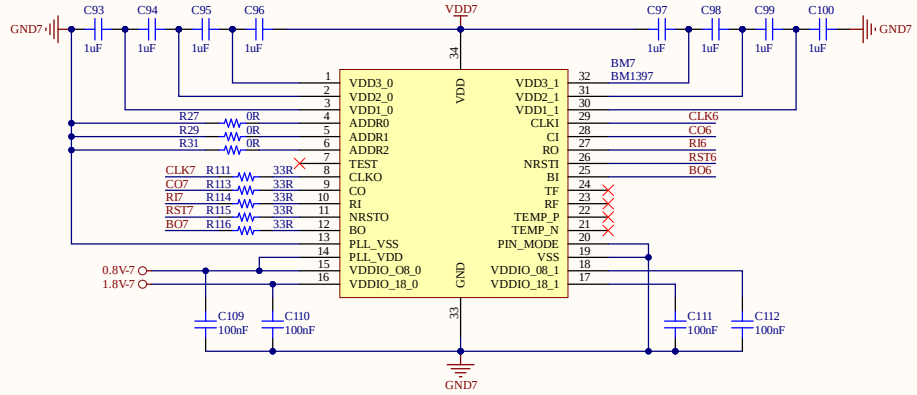
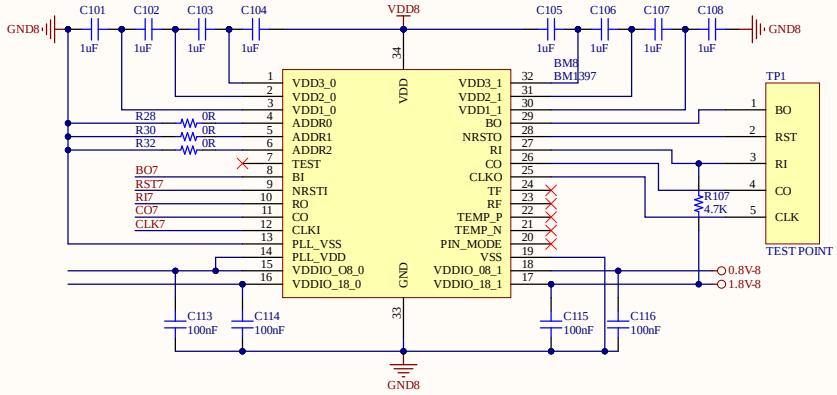
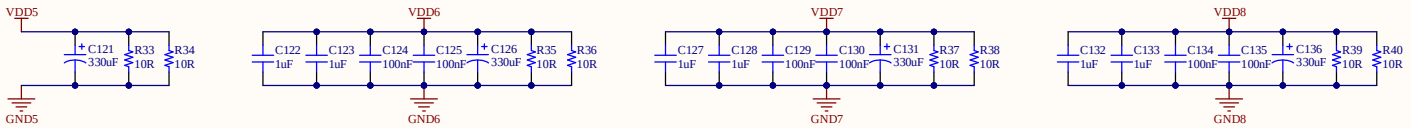
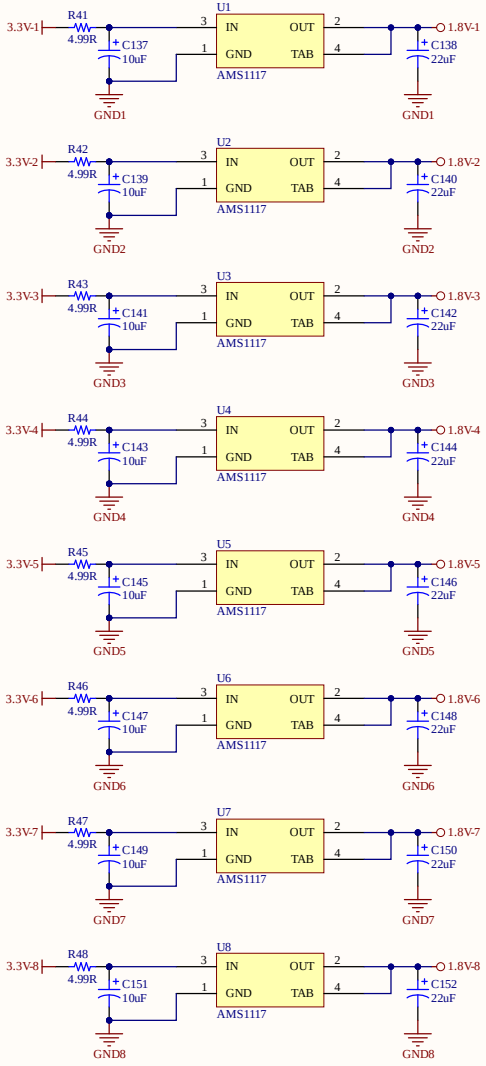


ASIC8





1.8V



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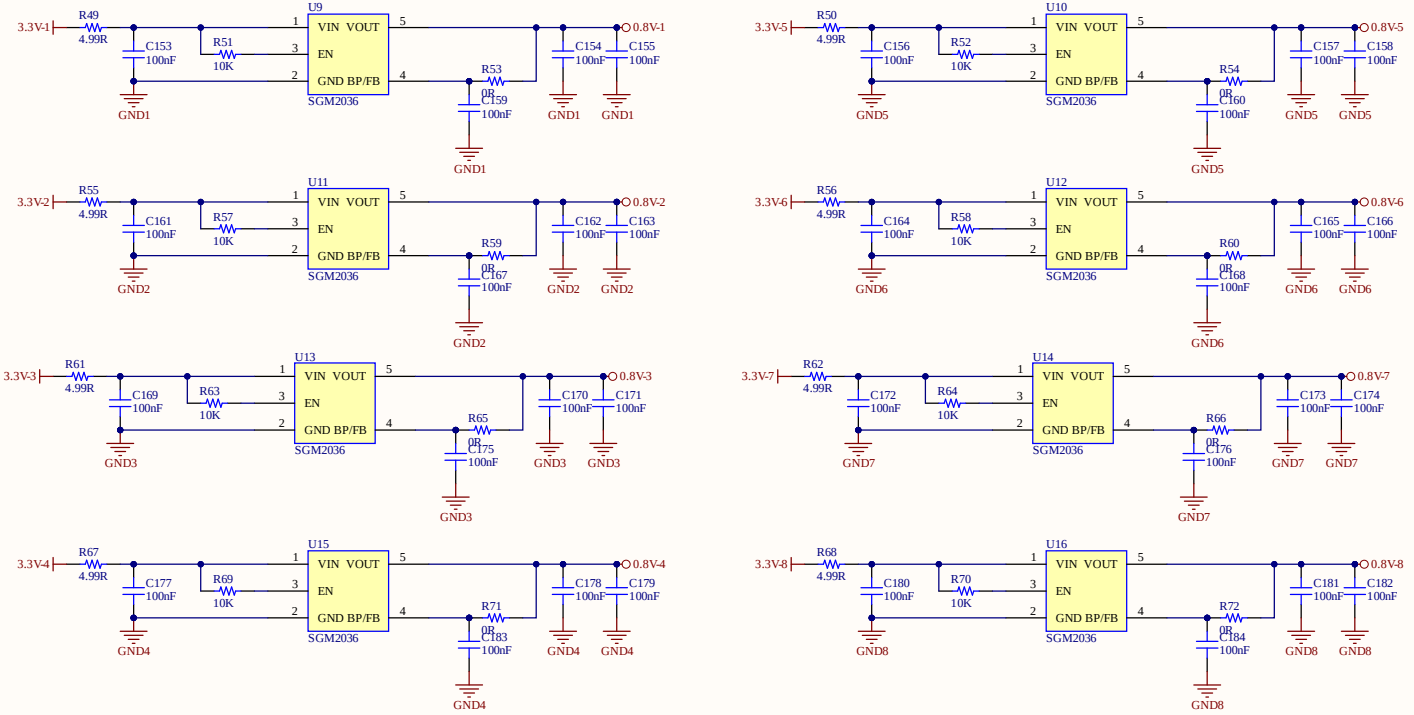
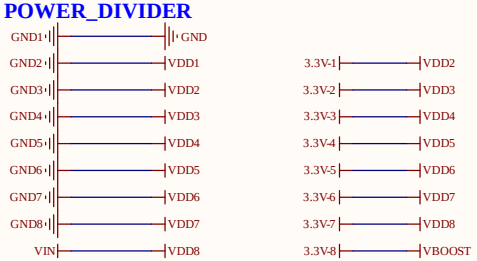
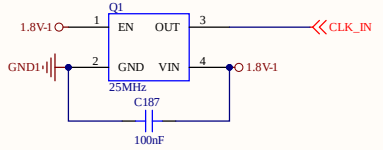


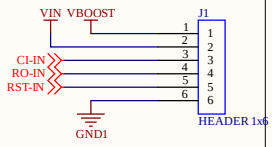
POWER_DIVIDER



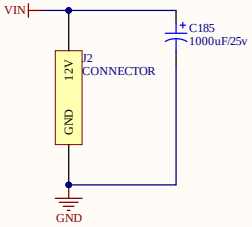
25MHz

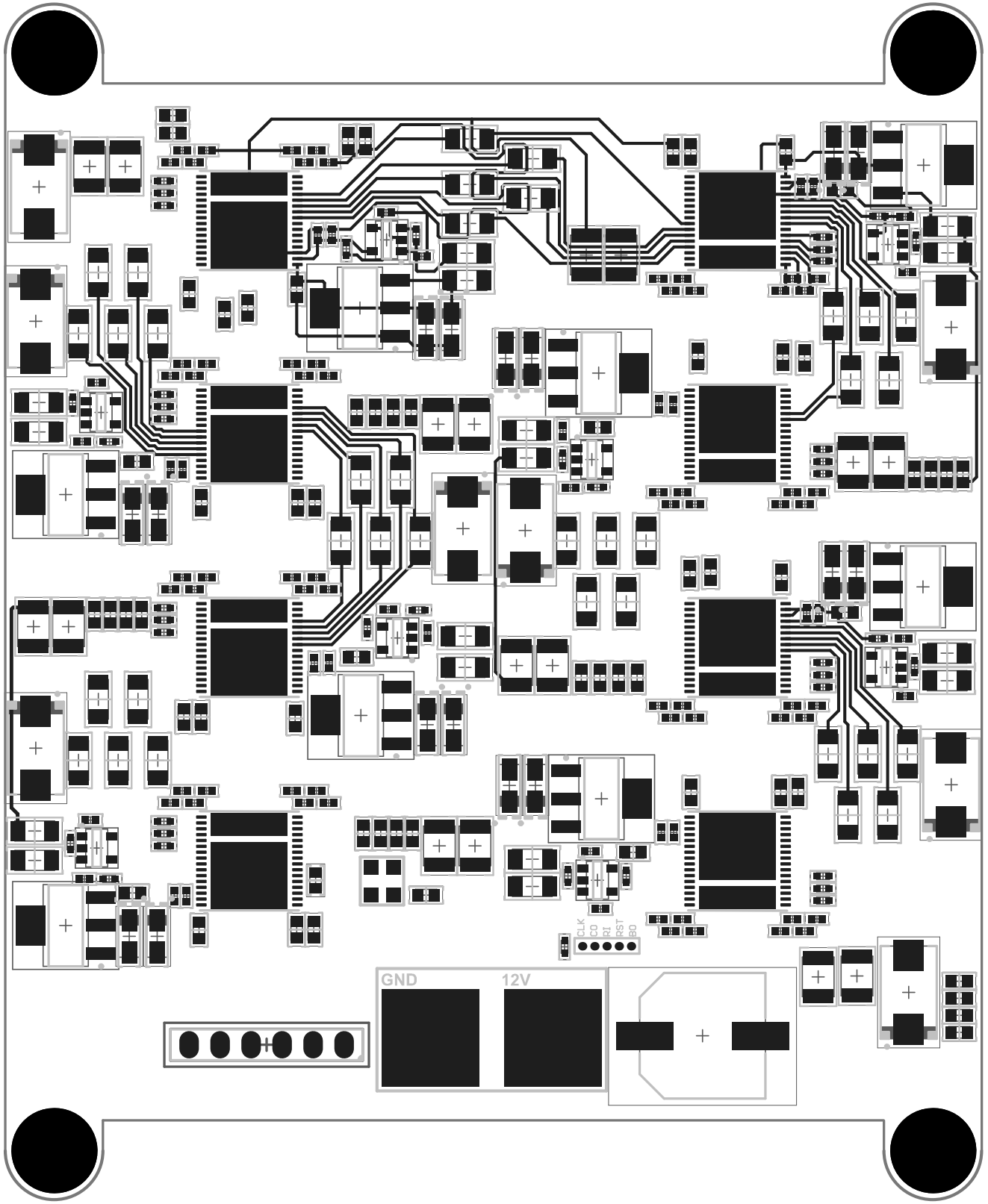


PINOUT



12V-INPUT




GND
12V
CLK
CO
RI
RST
3V

Comment	Description	Designator	Footprint	LibRef	Quantity
BM1397		BM1, BM2, BM3, BM4, BM5, BM6, BM7, BM8	BM1387	BM1397_0, BM1397_1	8
1uF		C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C21, C22, C23, C24, C25, C26, C27, C28, C37, C38, C39, C40, C41, C42, C43, C44, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108	CAP-SMD-0402	CAP	64
100nF		C17, C18, C19, C20, C29, C30, C31, C32, C33, C34, C35, C36, C45, C46, C47, C48, C51, C52, C56, C57, C61, C62, C66, C67, C85, C86, C87, C88, C89, C90, C91, C92, C109, C110, C111, C112, C113, C114, C115, C116, C124, C125, C129, C130, C134, C135, C187	CAP-SMD-0603	CAP	47
1uF		C49, C50, C54, C55, C59, C60, C64, C65, C122, C123, C127, C128, C132, C133	CAP-SMD-0603	CAP	14
330uF		C53, C58, C63, C68, C121, C126, C131, C136	CAP-TAN-CASE-E	POLARIZED CAP	8
10uF		C137, C139, C141, C143, C145, C147, C149, C151	CAP-TAN-CASE-A	POLARIZED CAP	8
22uF		C138, C140, C142, C144, C146, C148, C150, C152	CAP-TAN-CASE-A	POLARIZED CAP	8
100nF		C153, C154, C155, C156, C157, C158, C159, C160, C161, C162, C163, C164, C165, C166, C167, C168, C169, C170, C171, C172, C173, C174, C175, C176, C177, C178, C179, C180, C181, C182, C183, C184	CAP-SMD-0402	CAP	32
1000uF/25v		C185	CAP ALUM 10.3MM	POLARIZED CAP	1
HEADER 1x6		J1	HEADER-1x6	HEADER 1x6	1
CONNECTOR		J2	ATX 6	ATX 6	1
25MHz		Q1	XTALL	OSCILLATOR	1
0R		R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R53, R54, R59, R60, R65, R66, R71, R72	RES-SMD-0402	RES	32
10R		R13, R14, R15, R16, R17, R18, R19, R20, R33, R34, R35, R36, R37, R38, R39, R40	RES-SMD-1210	RES	16
4.99R		R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R55, R56, R61, R62, R67, R68	RES-SMD-1206	RES	16
10K		R51, R52, R57, R58, R63, R64, R69, R70	RES-SMD-0402	RES	8
0R		R73	RES-SMD-0603	RES	1
33R		R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R103, R104, R105, R106, R111, R113, R114, R115, R116	RES-SMD-1206	RES	35
4.7K		R107	RES-SMD-0402	RES	1
TEST POINT		TP1	TEST_POINT	TEST POINT	1
AMS1117		U1, U2, U3, U4, U5, U6, U7, U8	AMS1117	AMS1117	8
SGM2036		U9, U10, U11, U12, U13, U14, U15, U16	SOT23-5PIN	SGM2036	8