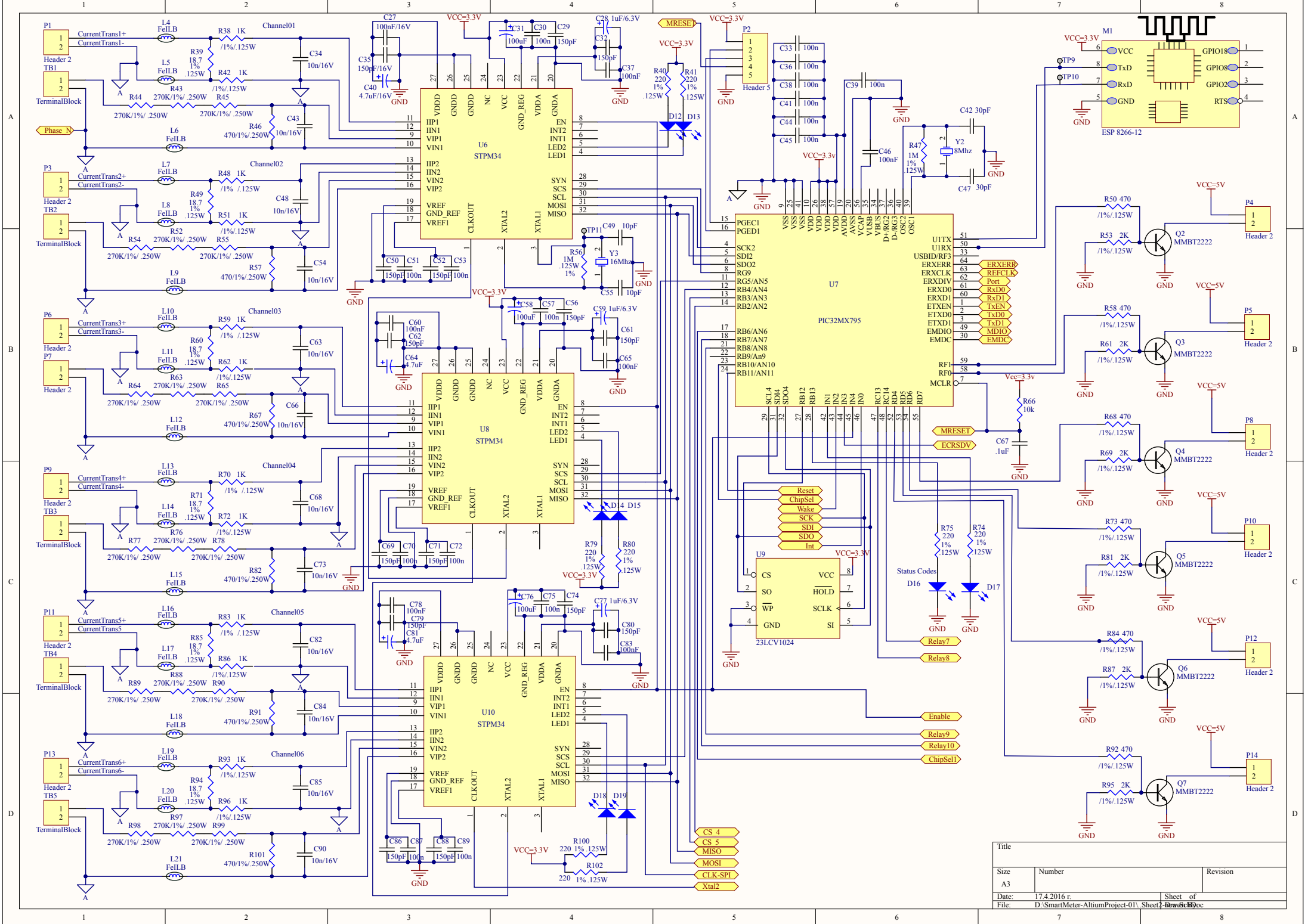
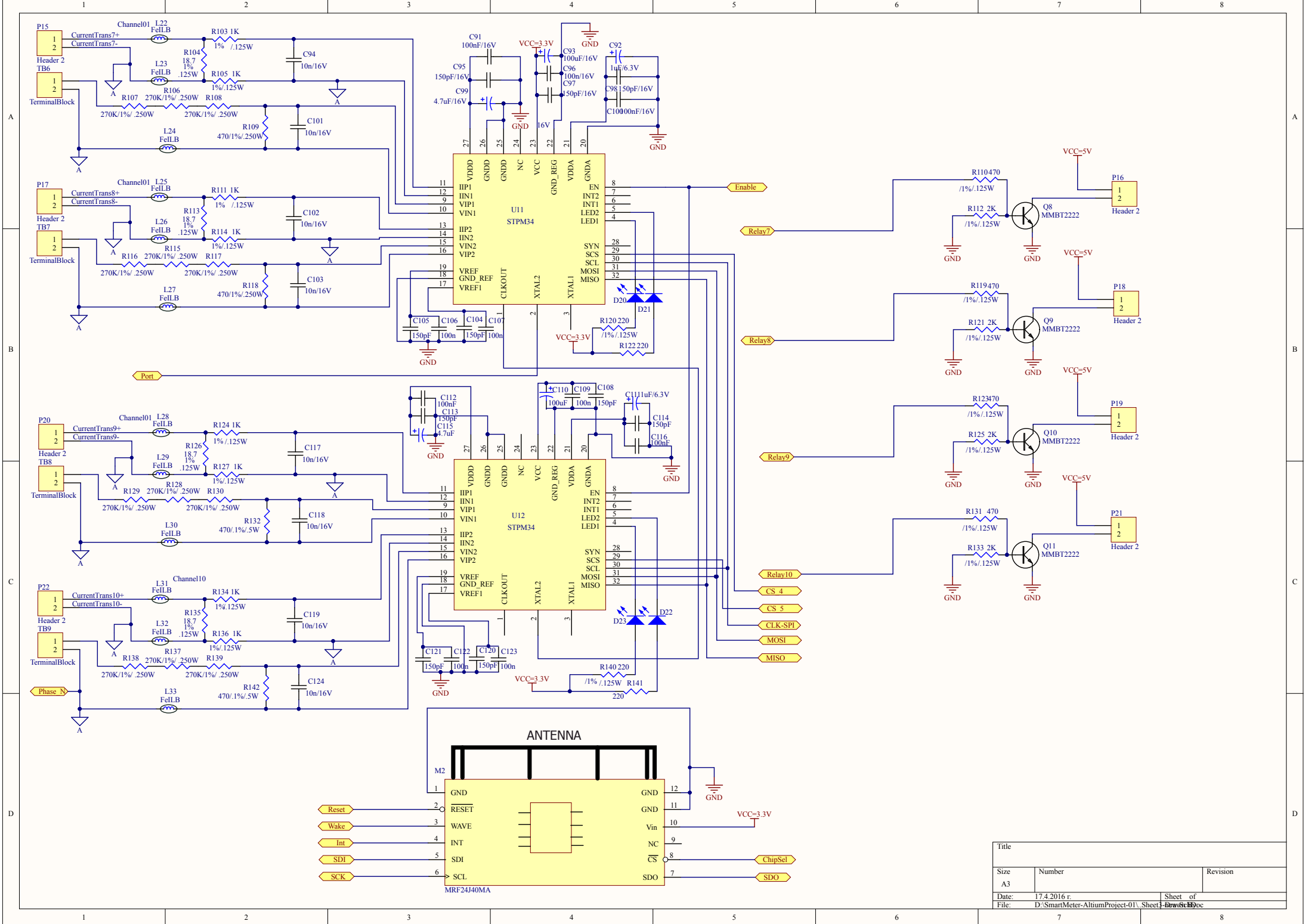


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Date:	17.4.2016 r.	Sheet of
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Title		
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Title		
Size	Number	Revision
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Comment	Designator	Footprint	Price	Quantity
Component_1	F1			
AGND	F1	HC49AH_SMD		1
8.0V/300mA	BT1	BAT-2	1	1
1uF/6.3V	C1, C7	0603C-GENERIC	049	2
22uF	C2, C6, C8, C10	100uF-6.3V Vishay	1.5	4
1/10V	C3, C9	0402C-GENERIC	049	2
2200uF/25V	C4	2200uF-Nichicon	0.385	1
10u/10V	C5	0402C-GENERIC	049	1
100uF	C11, C12, C14	0603C-GENERIC	0.1	3
10uF/6.3V	C13	0603C-GENERIC	036	1
10uF/6.3V	C15	C0805	036	1
1uF	C16	0603C-GENERIC	036	1
470uF	C17	0603C-GENERIC	0.1	1
18uF/6.3V	C18, C19, C20, C21	0603C-GENERIC	0.1	4
1000uF/33V	C22	1008	0096	1
22uF/16V	C23	0805C-TBD	0096	1
100uF/6.3V	C24	0603C-GENERIC	0.1	1
18uF/6.3V	C25, C26	0805C-TBD	0.1	2
100uF/16V	C27, C91, C100	0402C-GENERIC	002	3
1uF/6.3V	C28, C29, C77, C90, C111	0402C-GENERIC	0.1	5
150uF	C29, C30, C52, C56, C61, C62, C69, C71, C74, C79, C80, C86, C94, C104, C105, C108, C113, C114, C120, C121	0402C-GENERIC	002	21
100u	C30, C31, C33, C37, C70, C72, C75, C87, C89, C106, C107, C109, C122, C123	0402C-GENERIC	002	14
100uF	C31, C34, C35, C110	4.7uF-Nichicon	005	4
100m	C33, C36, C38, C39, C41, C44, C45	0805C-TBD		2
100uF/16V	C34, C43, C48, C54, C63, C66, C68, C73, C82, C84, C85, C90, C94, C101, C102, C103, C117, C118, C119, C124	0402C-GENERIC	002	20
150uF/16V	C35, C36, C38, C39, C88	0402C-GENERIC	002	4
100uF	C37, C60, C65, C78, C83, C112, C116	0402C-GENERIC	002	7
4.7uF/16V	C40, C99	4.7uF-Nichicon	005	2
30uF	C42, C47	0805C-TBD		2
100uF	C46	0805C-TBD		1
10uF	C48, C16	0805C-TBD	00087	1
4.7uF	C54, C81, C115	4.7uF-Nichicon	005	3
1uF	C67	0805C-TBD	00206	1
100u/16V	C93	0402C-GENERIC	002	1
100uF/16V	C97	4.7uF-Nichicon	005	1
1M148	D1, D8	0603-TBD	142	2
OP05D	D3	0-30	0.24	1
1N5405/5A	D3, D4	DO-41	142	2
BA5116	D5, D7	SOT-23_N	06	2
2V/20mA	D6, D9, D10, D11	LED-SM	04	4
LED2	D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23	LED-SM	04	12
250mA/250 AC	F1	FuseHolder + Fuse	25	1
BU4S-GENERIC	J1	BU4S-4W		1
4.7uH/2.6A	L1	Inductor 4.7uH	82	1
6.8uH/2.3A	L2	Inductor 4.7uH	82	1
F81	L3	0603C-2U2	286	1
F81B	L4, L5, L6, L7, L8, L10, L11, L12, L13, L14, L15, L16, L17, L18, L19, L20, L21, L22, L23, L24, L25, L26, L27, L28, L29, L30, L31, L32, L33	FerriteBead 0603	027	30
ESP-8266-12	M1	ESP-1		1
MRF2440MA	M2	MRF2440MA-2gBEE module	6.06	1
Header 2	P1, P1, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22	GG900-header		21
Header 5	P2	HDR1X5		1
MMBT2222	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10	MMBT2222	0.1	10
MMBT2222	Q11	50713-BCE	0.1	1
0712W	R1, R13	0805R-0R1	0035	2
110/1%/125W	R2	0805R-10		1
100K	R3, R15	0805R-0R1	0035	2
75K/1%/125W	R4, R16	0805R-0R1	0035	2
40.2K/1%/125W	R5, R17	0805R-0R1	0035	2
02	R6, R36, R37	0805R-6B		1
13K	R7	0805R-0R1	0035	1
57.8K	R8	0805R-0R1	0035	1
32.4K	R9	0805R-0R1	0035	1
12K/1%/125	R10, R14	0805R-10	0035	2
10	R11	0805R-12	0035	1
10K	R12	0805R-10K	0035	1
100	R18	0805R-6B		1
7.68K	R19	0805R-0R1	0035	1
1.5K	R20	0603R-0R	00266	1
48.9	R21, R22, R23, R24	0603R-0R	0026	4
75/1%/125W	R25, R26, R31, R32	0603R-0R	0026	4
100	R27, R28, R29, R30	0603R-0R	1	4
33	R23	0603R-0R	1	1
4.7K	R24	0603R-0R	1	1
12.1K	R35	0603R-0R	1	1
1K	R38, R42, R46, R51, R53, R52, R70, R72, R83, R86, R93, R96, R103, R105, R113, R114, R124, R127, R134, R136	0805C-GENERIC	00266	20
18.7	R39, R49, R60, R71, R85, R94, R104, R113, R126, R135	0805R-10	0.1	10
220	R40, R41, R120, R122, R140, R141	0805C-GENERIC	0027	4
270K/1%/ 250W	R42, R43, R52, R54, R55, R63, R64, R65, R76, R77, R78, R88, R90, R92, R97, R98, R99, R106, R107, R108, R115, R116, R117, R128, R129, R130, R137, R138, R139	1210R-GENERIC	055	30
470/1%/250W	R46, R57, R67, R82, R91, R101, R109, R118	1209FB-GENERIC	02	8
1M	R47	0805R-12	0027	1
470	R49, R58, R68, R73, R84, R92, R110, R116, R123, R131	0805R-39	001	10
2K	R53, R61, R68, R61, R67, R95, R112, R121, R125, R133	0805R-180	013	10
1M	R56	0805FB-GENERIC	0027	1
10K	R66	0805R-27		1
220	R74	0805R-120	0027	1
220	R75	0805R-12	0027	1
470/1%/5W	R79, R80, R100, R102	1210C-GENERIC	02	4
Power On	S1	PowerSwitch220V 5A		1
TerminalBlock	TB1, TB2, TB3, TB4, TB5, TB6, TB7, TB8, TB9	Terminal Block 2x5mm		9
TESTPOINT	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11	TESTPOINT		11
PUI192B-12-2.5A	TR1	Transformer250V110-12V		1
Tr-Switch	TR2	6-pin Molex2x3-10mm		1
5558-9999-U7-F	TR1	5558-9999		1
MP1470	U1, U3	MP1470	2.36	2
LT3092	U2	LT3092		1
HT7033A-1	U4	50789-BCE		1
LAN8720	U5	QFN24_4MM_N	76	1
STPM34	U6, U8, U10, U11	12M1-A_M	1.16	4
MC12MA0795	U7	12P-PM4_N	5.16	1
28LCV102A	U9	508_1		1
STPM34	U12	12M1-A_L	1.16	1
25 MHz	V1	25MHz-osc1	4288	1
8MHz	X2	CeramicResonator 8.16MHz	137	1
16MHz	X3	R38	289	1