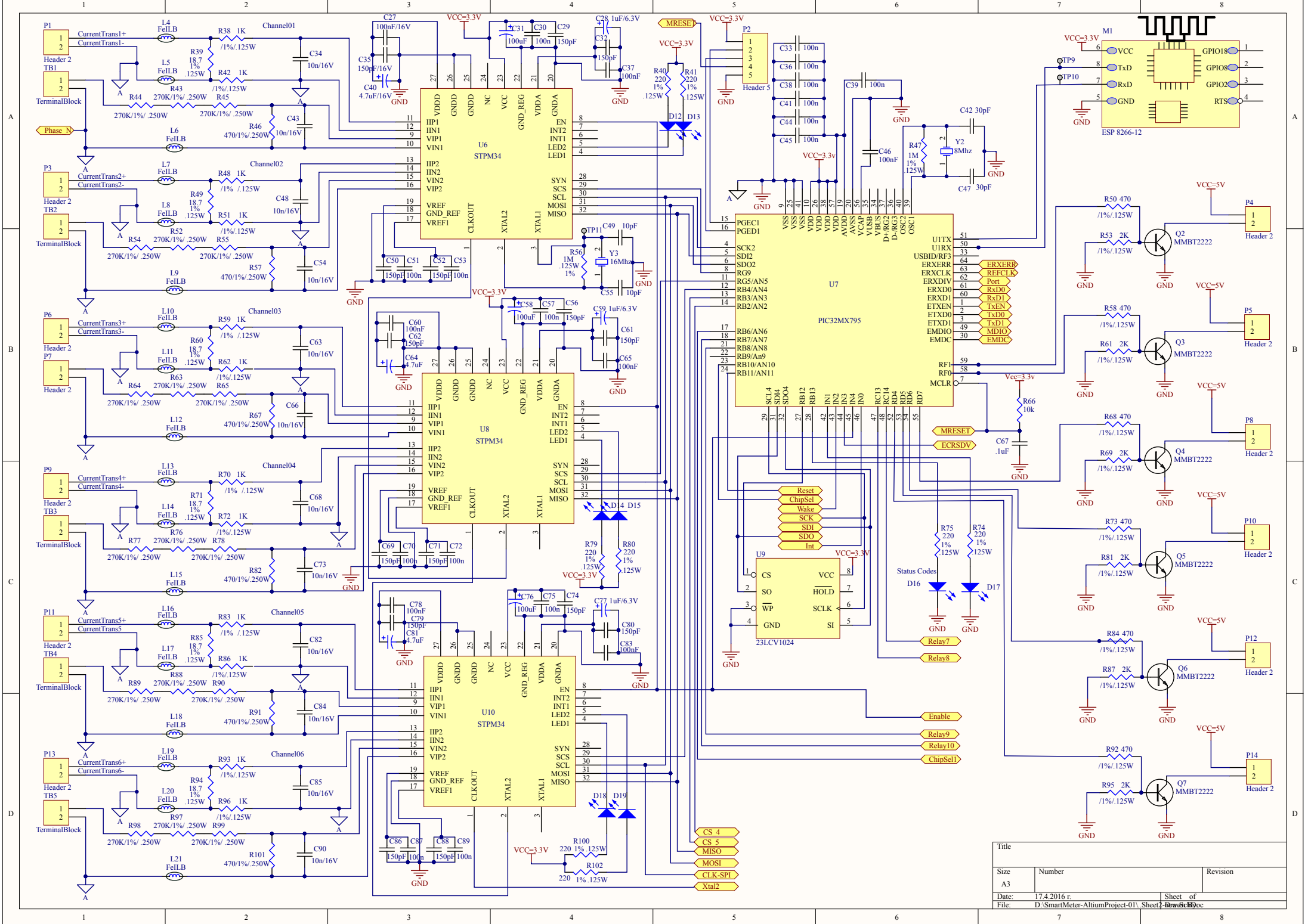
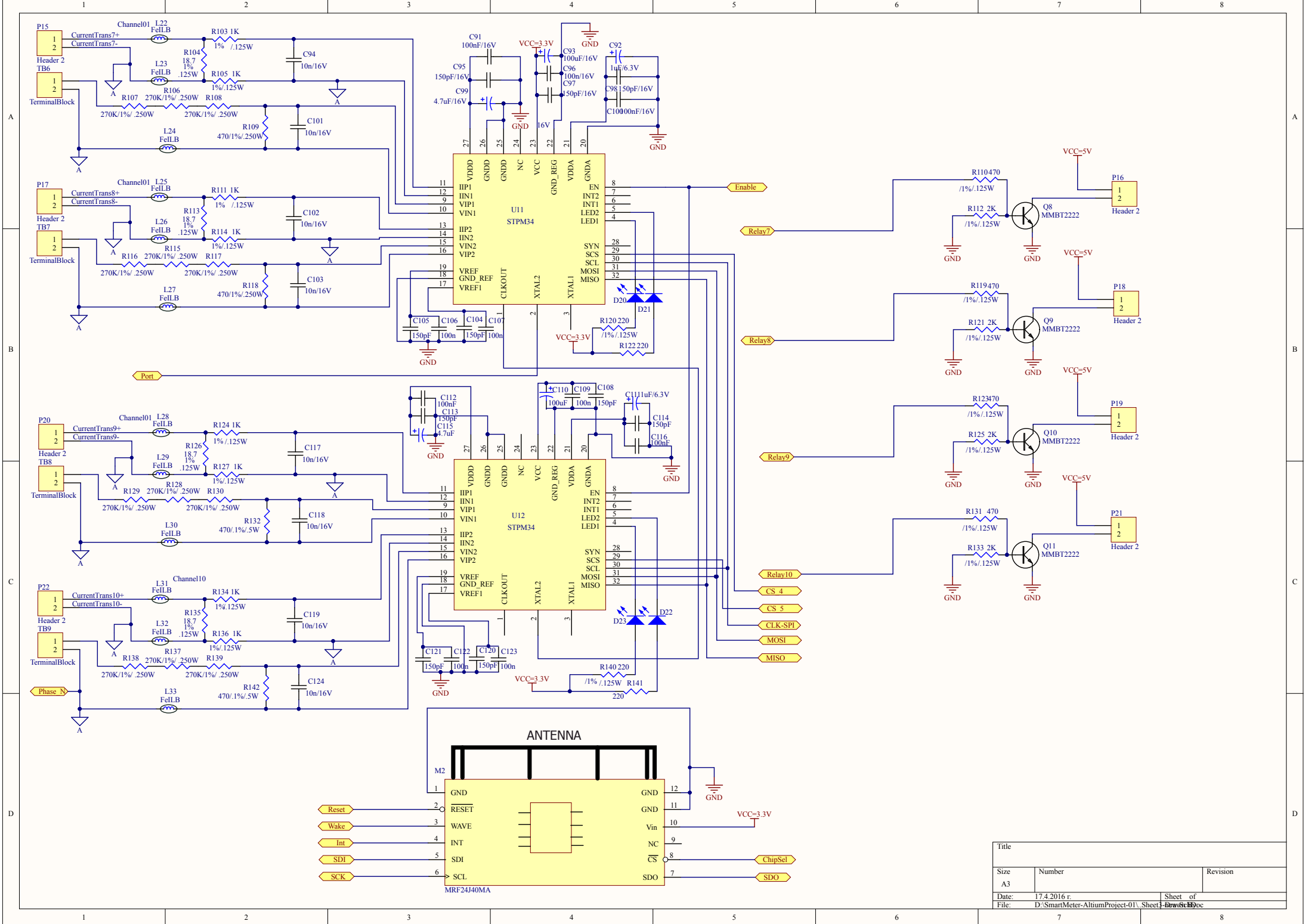


Title		
Size	Number	Revision
A3		
Date:	17.4.2016 r.	Sheet of
File:	D:\SmartMeter-AltiumProject-01\Sheet1-DrawnDoc	



Title		
Size	Number	Revision
A3		
Date:	17.4.2016 r.	Sheet of
File:	D:\SmartMeter-AltiumProject-01\Sheet1-Drawn.dwg	1



Title		
Size	Number	Revision
A3		
Date:	17.4.2016 r.	Sheet of
File:	D:\SmartMeter-AltiumProject-01\Sheet1-DrawnDoc	

Comment	Designator	Footprint	Price	Quantity
Component_1	1			1
AC90D	1	HC49/4H_SMX		1
9.0V/300mah	B71	BAT_2	1	1
1uF/6.3V	C1, C7	0603C-GENERIC	.049	2
22uF	C2, C6, C8, C10	300uF-6.3V Vishay	1.5	4
100nF/35V	C3, C9, C12, C13, C15, C24	0402C-GENERIC	.049	6
2200uF/35v	C4	2200uF-Nichicon	0.385	1
10nF/25V	C5	0402C-GENERIC	.049	1
10uF/6.3V	C11, C14	10uF/6.3V	.036	2
1uF	C16	0402C-GENERIC	.036	1
470pF	C17	0402C-GENERIC	0.1	1
100pF/50V	C18, C19, C20, C21	0402C-GENERIC	.03	4
1000pF/3kV	C22	1806	.0096	1
22nF/16V	C23	0402C-GENERIC	.0096	1
10pF/6.3V	C25, C28	0805C-TBD	.01	2
100nF/16V	C27, C91, C100	0402C-GENERIC	.002	3
1uF/6.3V	C26, C59, C77, C92, C111	0402C-GENERIC	.05	5
100pF	C29, C32, C30, C32, C34, C61, C62, C69, C71, C74, C79, C80, C86, C104, C105, C108, C113, C114, C126, C121	0402C-GENERIC	.002	21
100n	C39, C51, C53, C57, C70, C72, C75, C87, C89, C106, C107, C109, C122, C123	0402C-GENERIC	.002	14
100uF	C11, C58, C76, C110	4.7uF-Nichicon	.065	4
100n	C33, C36, C38, C39, C41, C44, C45	0805C-TBD		7
10nF/16V	C34, C43, C48, C54, C63, C66, C68, C73, C82, C84, C85, C90, C94, C101, C102, C103, C127, C118, C119, C124	0402C-GENERIC	.002	20
150pF/16V	C35, C56, C56	0402C-GENERIC	.002	4
100nF	C37, C60, C65, C78, C83, C112, C116	0402C-GENERIC	.002	7
4.7uF/16V	C40, C99	4.7uF-Nichicon	.065	2
30pF	C42, C47	0805C-TBD		2
100nF	C46	0805C-TBD		1
10pF	C49, C55	0805C-TBD	.00987	2
4.7uF	C44, C81, C115	4.7uF-Nichicon	.065	3
1uF	C57	0805C-TBD	.00206	1
100nF/16V	C93	0402C-GENERIC	.002	1
100uF/16V	C97	4.7uF-Nichicon	.065	1
1N4148	D1, D6	cod-123	.142	2
DP00552	D2	D-36	0.24	1
1N5400/5A	D3, D4	DO-41	.142	2
BA5116	D5, D7	SO123-N	.26	2
PV200mA	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 duplicate	.25	1
RL45-GENERIC	J1	RL45-B/B		1
4.7uH/2.6A	L1	Inductor 4.7/6.8	.82	1
6.8uH/2.3A	L2	Inductor 4.7/6.8	.82	1
F81	L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18, L19, L20, L21, L22, L23, L24, L25, L26, L27, L28, L29, L30, L31, L32, L33	0603C-202	.288	1
F81B		FerriteBead-0603	.027	30
ESP 8266-12	M1	ESP_1		1
MRF2440MA	M2	MRF2440MA-rogEE module	6.08	1
Header 2	P1, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22	RG090-header		21
Header 9	P2	HC0935		10
MMBT2222	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10	MMBT2222	.83	10
MMBT2222	Q11	SO123-BCE	.83	1
0/125W	R1, R13	0805R-OR1	.0035	2
110/1W/125W	R2	0805R-10		1
100K	R3, R15	0805R-OR1	.0035	2
75K/1W/125W	R4, R16	0805R-OR1	.0035	2
40.2K/1W/125W	R5, R17	0805R-OR1	.0035	2
50	R6, R36, R37	0805R-48		3
1.5K	R7	0805R-OR1	.0035	1
57.6K	R8	0805R-OR1	.0035	1
32.4K	R9	0805R-OR1	.0035	1
12K/1W/125	R10, R14	0805R-10	.0035	2
10	R11	0805R-12	.0035	1
10K	R12	0805R-10K	.0035	1
150	R19	0805R-48		1
7.68K	R19	0805R-OR1	.0035	1
1.5K	R20	0603R-OR	.00266	1
49.9	R21, R22, R23, R24	0603R-OR	.0026	4
75/1W/125W	R25, R26, R31, R32	0603R-OR	.0026	4
100	R27, R28, R29, R30	0603R-OR	.1	4
33	R33	0603R-OR	.1	1
4.7K	R34	0603R-OR	.1	1
12.7K	R35	0603R-OR	.1	1
1K	R38, R42, R48, R51, R55, R62, R70, R72, R83, R86, R93, R96, R103, R105, R111, R114, R124, R127, R134, R136	0805C-GENERIC	.00266	20
18.7	R35, R49, R60, R71, R85, R84, R104, R112, R126, R135	0805R-10	.05	10
220	R40, R41, R120, R122, R146, R147	0805C-GENERIC	.0027	6
270K/1W/250W	R43, R44, R45, R52, R54, R55, R63, R64, R65, R76, R77, R78, R88, R90, R97, R98, R99, R106, R107, R108, R115, R116, R117, R128, R129, R130, R137, R138, R139	1210R-GENERIC	.055	30
470/1W/250W	R46, R57, R67, R82, R91, R101, R108, R118	1206FB-GENERIC	.02	8
1M	R47	0805R-12	.0027	1
470	R50, R56, R68, R73, R84, R92, R110, R119, R123, R131	0805R-39	.003	10
2K	R53, R61, R69, R81, R87, R95, R112, R121, R125, R133	0805R-180	.033	10
1M	R56	0805FB-GENERIC	.0027	1
10K	R66	0805R-27		1
220	R74	0805R-120	.0027	1
220	R75	0805R-12	.0027	1
220	R75, R80, R100, R102	0805R-10	.0027	4
470/1W/5W	R132, R142	1210C-GENERIC	.02	2
Power On	S1	PowerSwitch220V/5A		1
TerminalBlock	TB1, TB2, TB3, TB4, TB5, TB6, TB7, TB8, TB9	Terminal Block 246mm		8
TESTPOINT	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11	TESTPOINT		11
PU3923B-Ti220-12-2.5A	TR1	Transform220/110-12/1		1
Tr-Switch	TR2	Ergin Molendijk-SAHm		1
S558-5999-U7-F	TR11	S558-5999-Ethrand		1
MP1470	U1, U3	MP1470		2
LT3092	U2	LT3092	2.36	1
HT033A-1	U4	SO189-BCE		1
LAN8720	U5, U8, U10, U11	QFN44,494,N	.76	1
STPM434	U7	32M1-A_M	1.16	4
PC23MKT95	U7	TQFP-PH04_N	6.16	1
23CVC1024	U9	SO8_L		1
STPM434	U12	32M1-A_L	1.16	1
25 MHz	V1	25MHz-oscil	4288	1
8MHz	V2	CeramicResonator-8-16MHz	.137	1
16MHz	V3	R38	.288	1