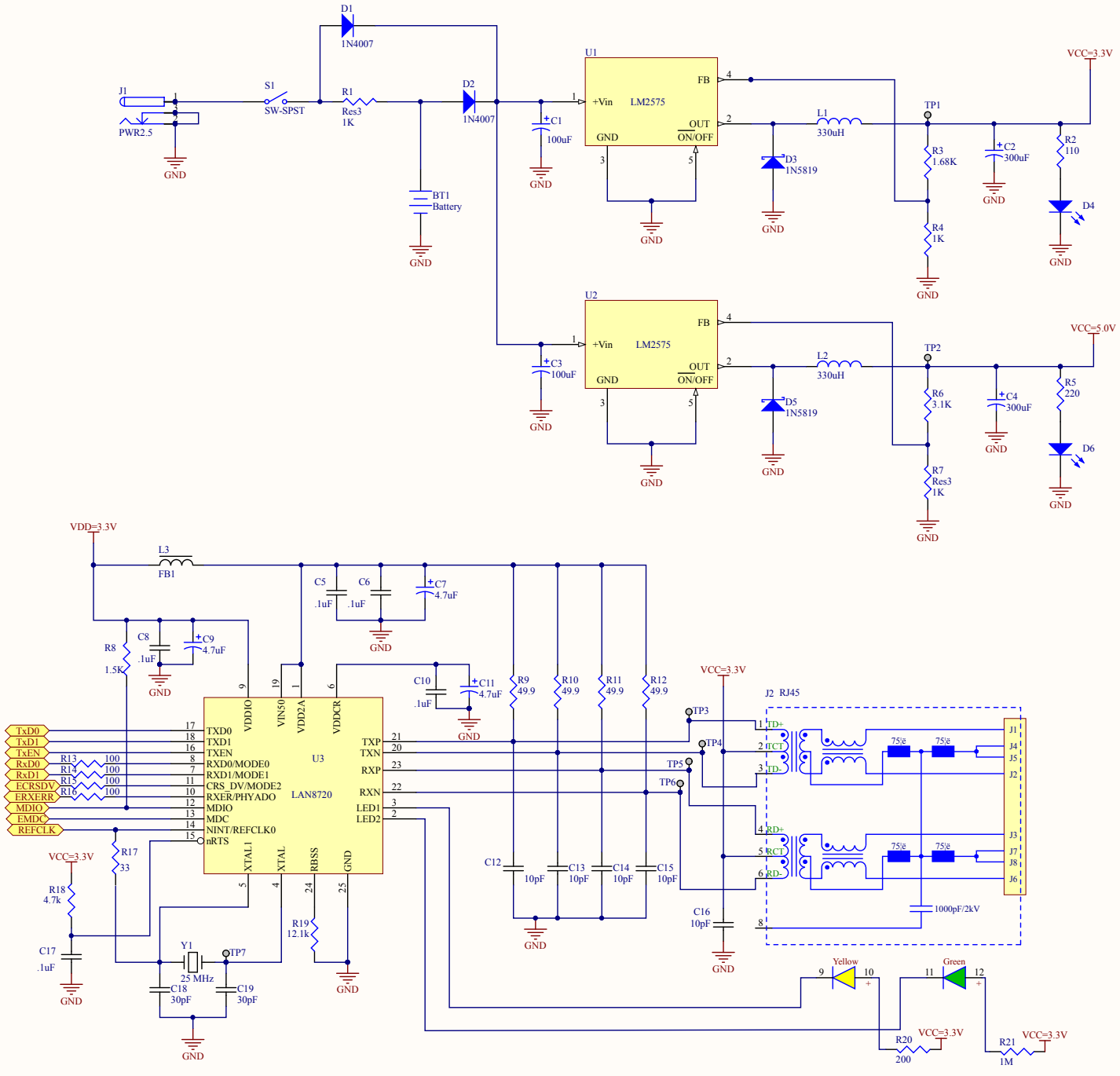

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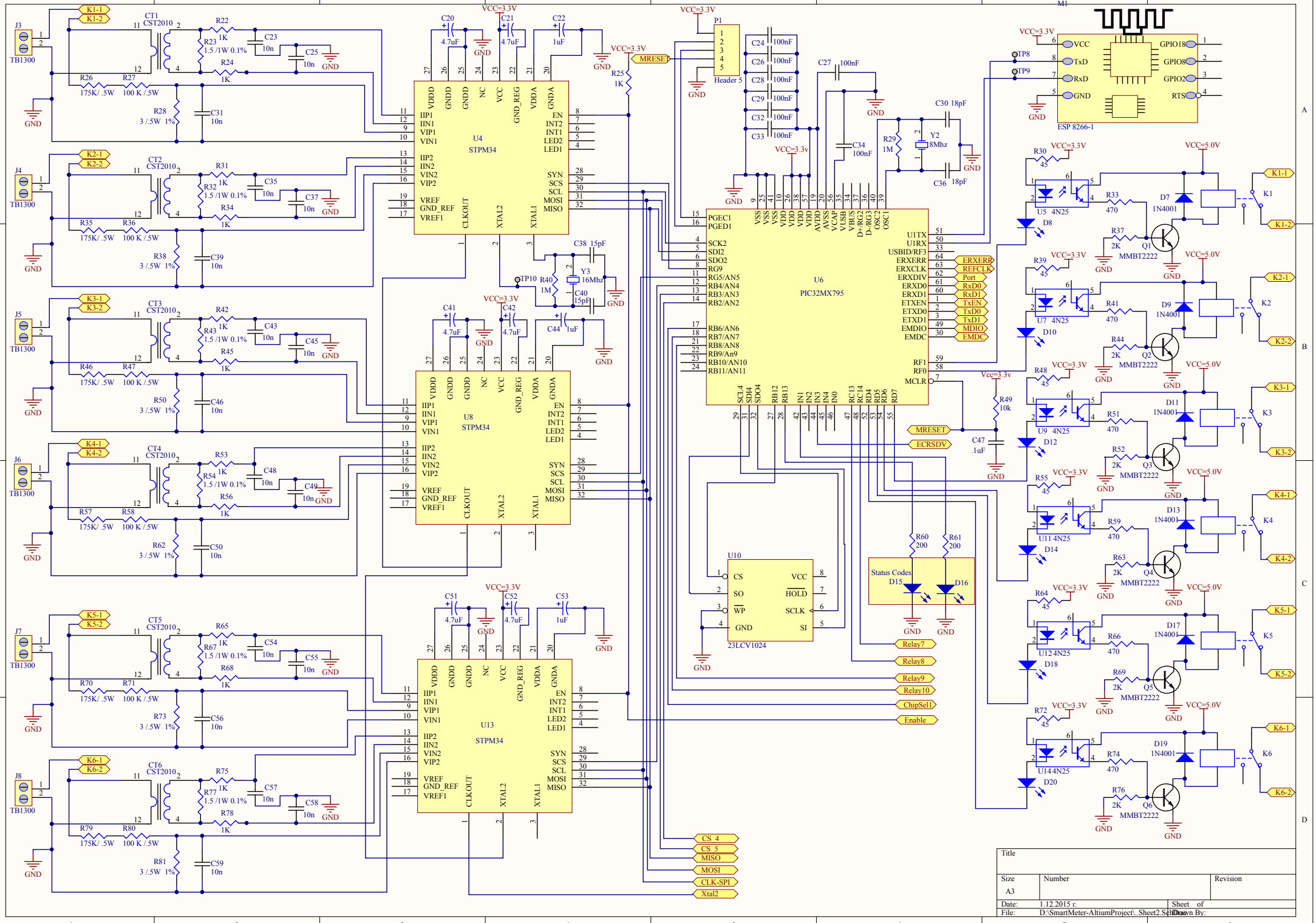
U4
STPM34
U8
STPM34
U13
STPM34
U6
PIC32MX795
U10
23LCV1024
M1
ESP 8266-1
Header 5
Y2
8Mhz
Y3
16Mhz
Status Codes
D15
D16
MRESE
MRESET
ECRSDV
Relay7
Relay8
Relay9
Relay10
ChipSel1
Enable
CS_4
CS_5
MISO
MOSI
CLK-SPI
Xtal2
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Date: 1.12.2015 r.
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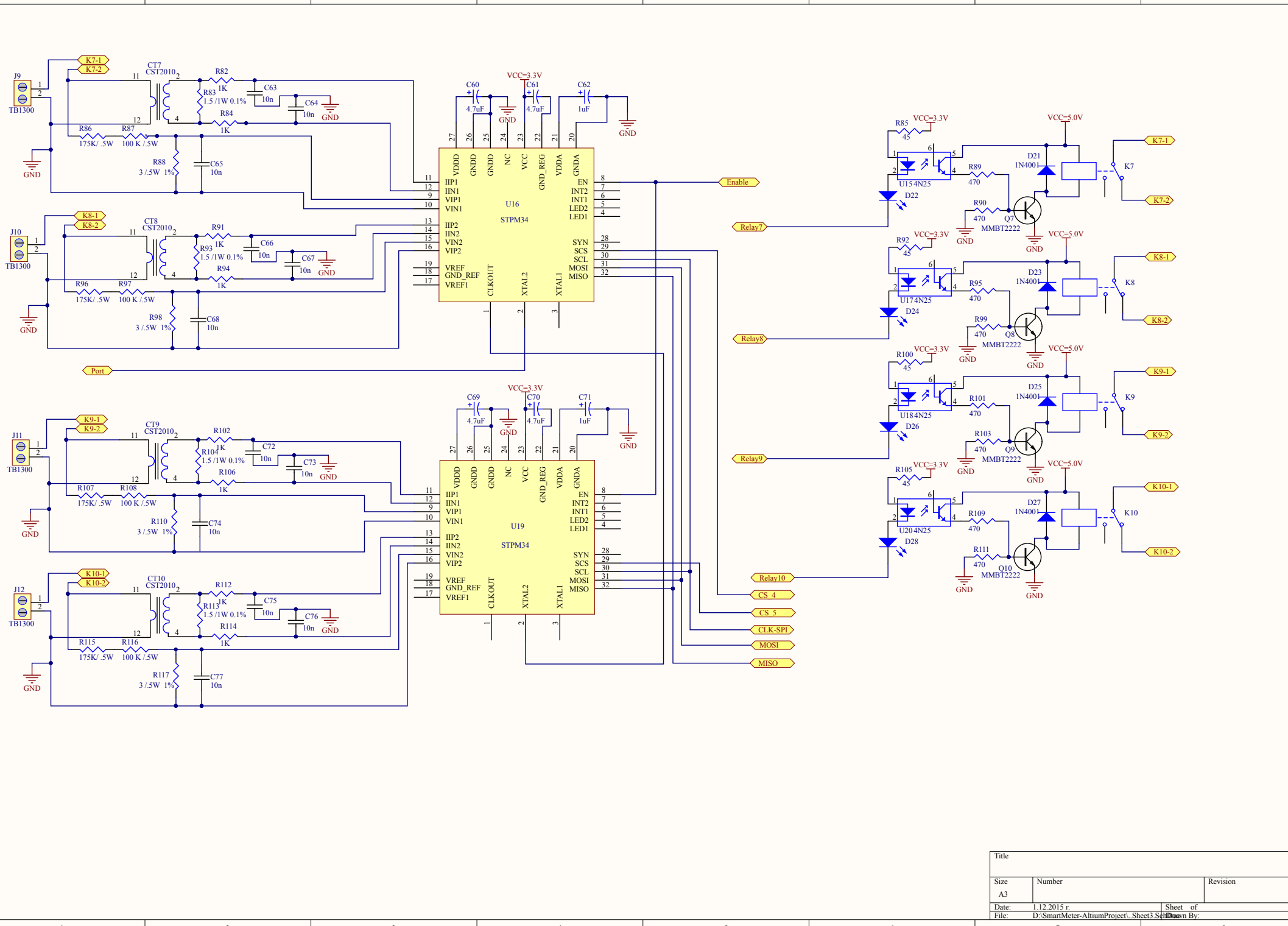
J9
TB1300
K7-1
K7-2
CT7
CST2010
R82
1K
R83
1.5 /1W 0.1%
R84
1K
C63
10n
C64
10n
R86
175K/ .5W
R87
100 K /.5W
R88
3 /.5W 1%
C65
10n
GND
J10
TB1300
K8-1
K8-2
CT8
CST2010
R91
1K
R93
1.5 /1W 0.1%
R94
1K
C66
10n
C67
10n
R96
175K/ .5W
R97
100 K /.5W
R98
3 /.5W 1%
C68
10n
GND
Port
J11
TB1300
K9-1
K9-2
CT9
CST2010
R102
1K
R104
1.5 /1W 0.1%
R106
1K
C72
10n
C73
10n
R107
175K/ .5W
R108
100 K /.5W
R110
3 /.5W 1%
C74
10n
GND
J12
TB1300
K10-1
K10-2
CT10
CST2010
R112
1K
R113
1.5 /1W 0.1%
R114
1K
C75
10n
C76
10n
R115
175K/ .5W
R116
100 K /.5W
R117
3 /.5W 1%
C77
10n
GND
C60
4.7uF
C61
4.7uF
C62
1uF
VCC=3.3V
GND
U16
STPM34
VDDD
GNDD
GNDD
NC
VCC
GND_REG
VDDA
GNDA
IIP1
IIN1
VIP1
VIN1
IIP2
IIN2
VIN2
VIP2
VREF
GND_REF
VREF1
CLKOUT
XTAL2
XTAL1
EN
INT2
INT1
LED2
LED1
SYN
SCS
SCL
MOSI
MISO
C69
4.7uF
C70
4.7uF
C71
1uF
U19
STPM34
Enable
Relay7
Relay8
Relay9
Relay10
CS_4
CS_5
CLK-SPI
MOSI
MISO
R85
45
R92
45
R100
45
R105
45
U15 4N25
U17 4N25
U18 4N25
U20 4N25
D22
D24
D26
D28
R89
470
R90
470
R95
470
R99
470
R101
470
R103
470
R109
470
R111
470
Q7
MMBT2222
Q8
MMBT2222
Q9
MMBT2222
Q10
MMBT2222
VCC=5.0V
D21
1N4001
D23
1N4001
D25
1N4001
D27
1N4001
K7
K8
K9
K10
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K7-2
K8-1
K8-2
K9-1
K9-2
K10-1
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Size
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Number
Revision
Date:
1.12.2015 r.
Sheet of
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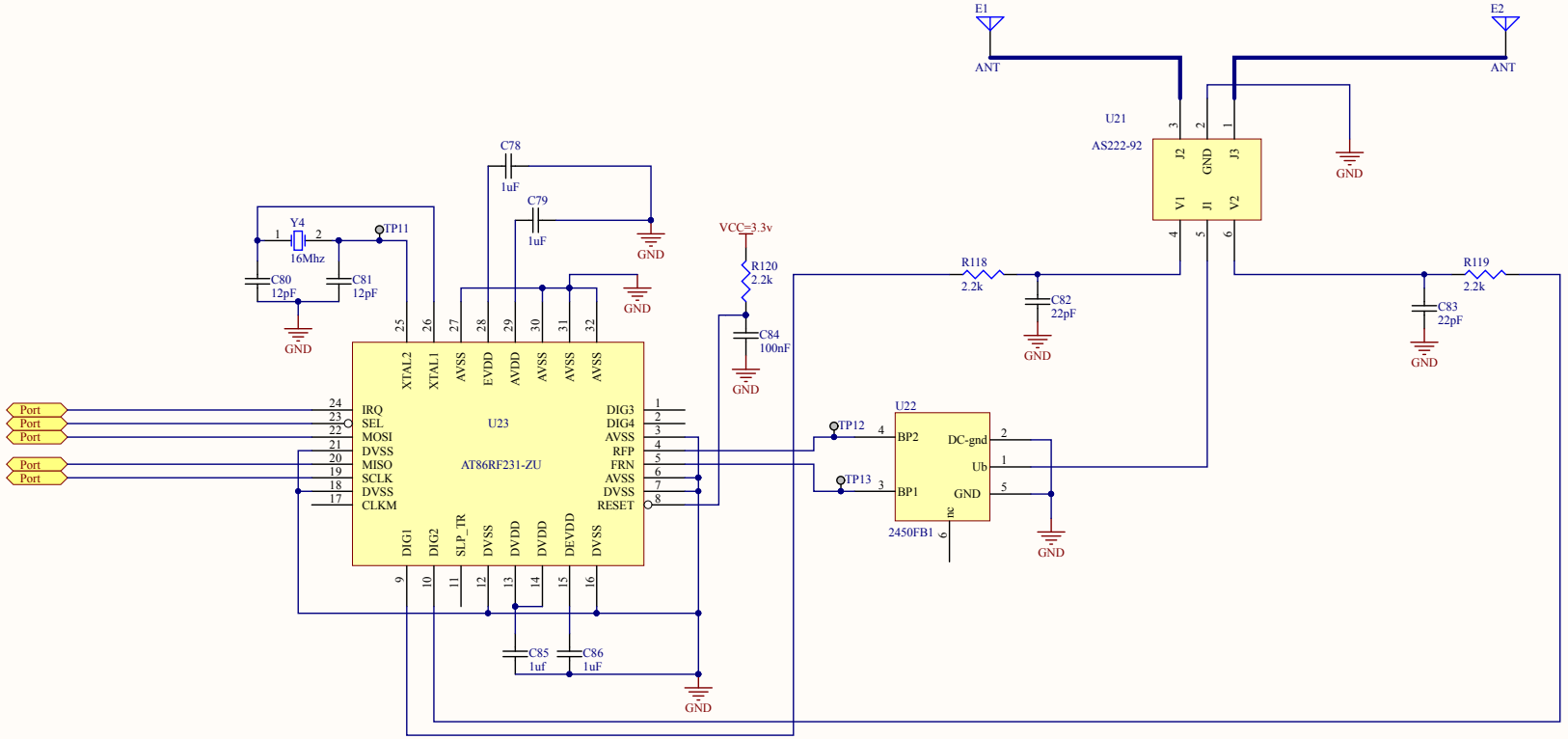

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Size A3	Number	Revision
Date: 1.12.2015 r.	Sheet of	
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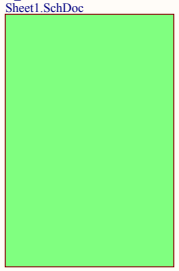
Sheet1.SchDoc



U_Sheet2
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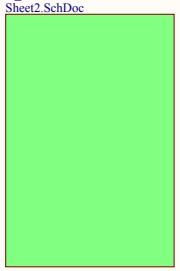
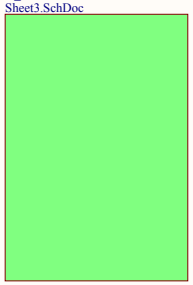


U_Sheet3
Sheet3.SchDoc



U_Sheet4
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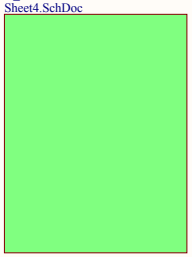
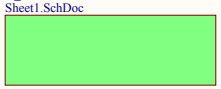


U_Sheet1
Sheet1.SchDoc



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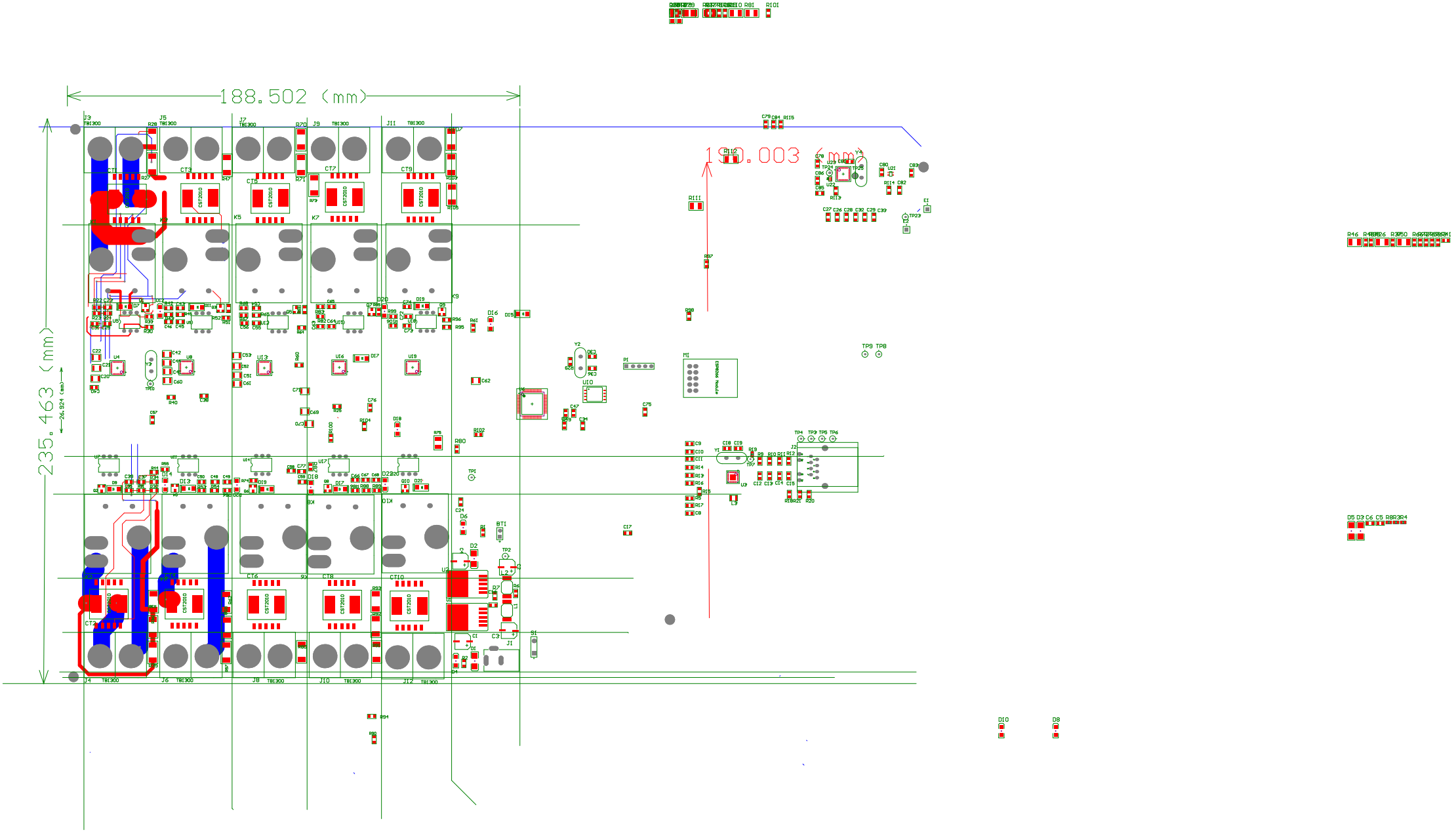
188.502 (mm)
235.463 (mm)
26.924 (mm)
180.003 (mm)