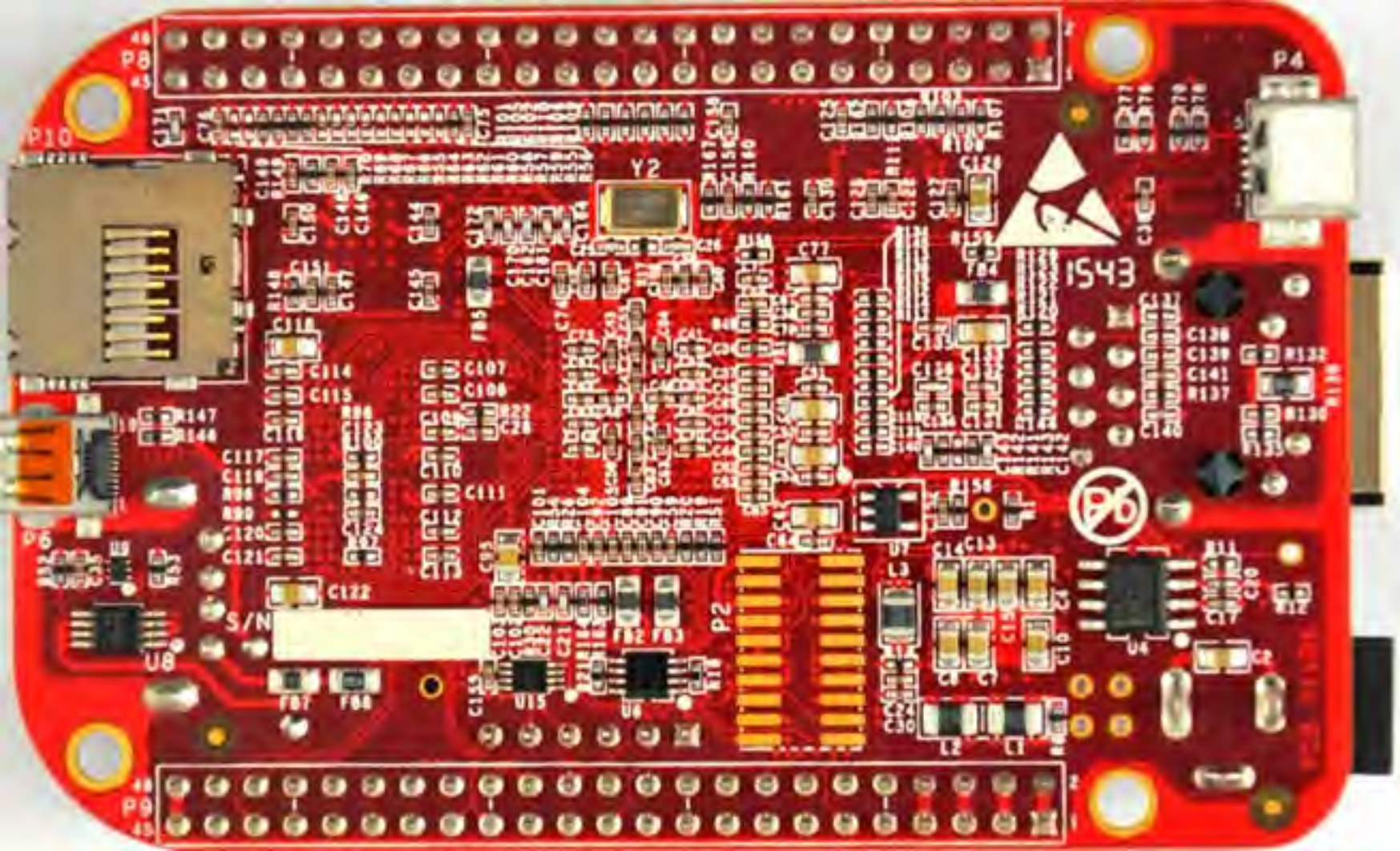
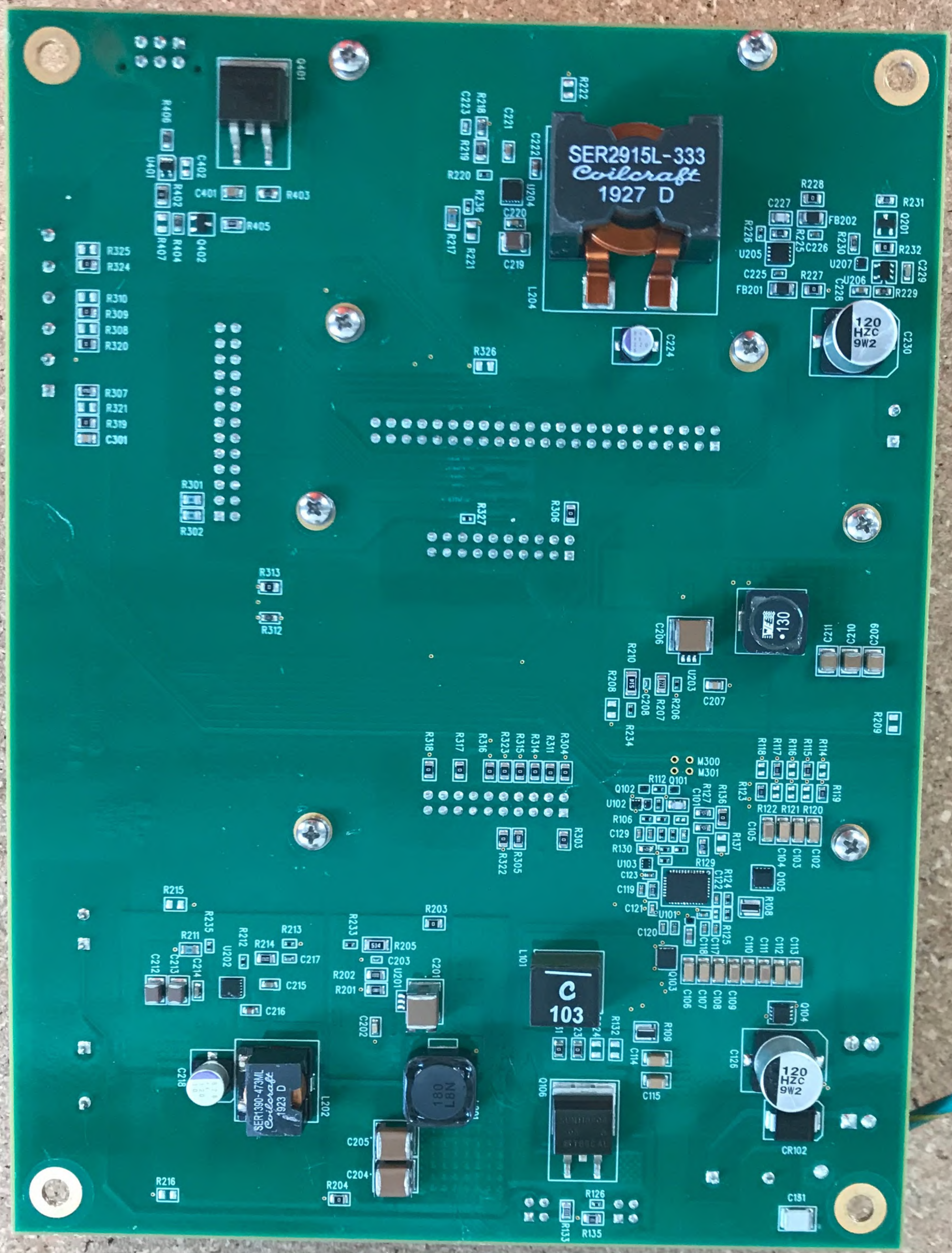
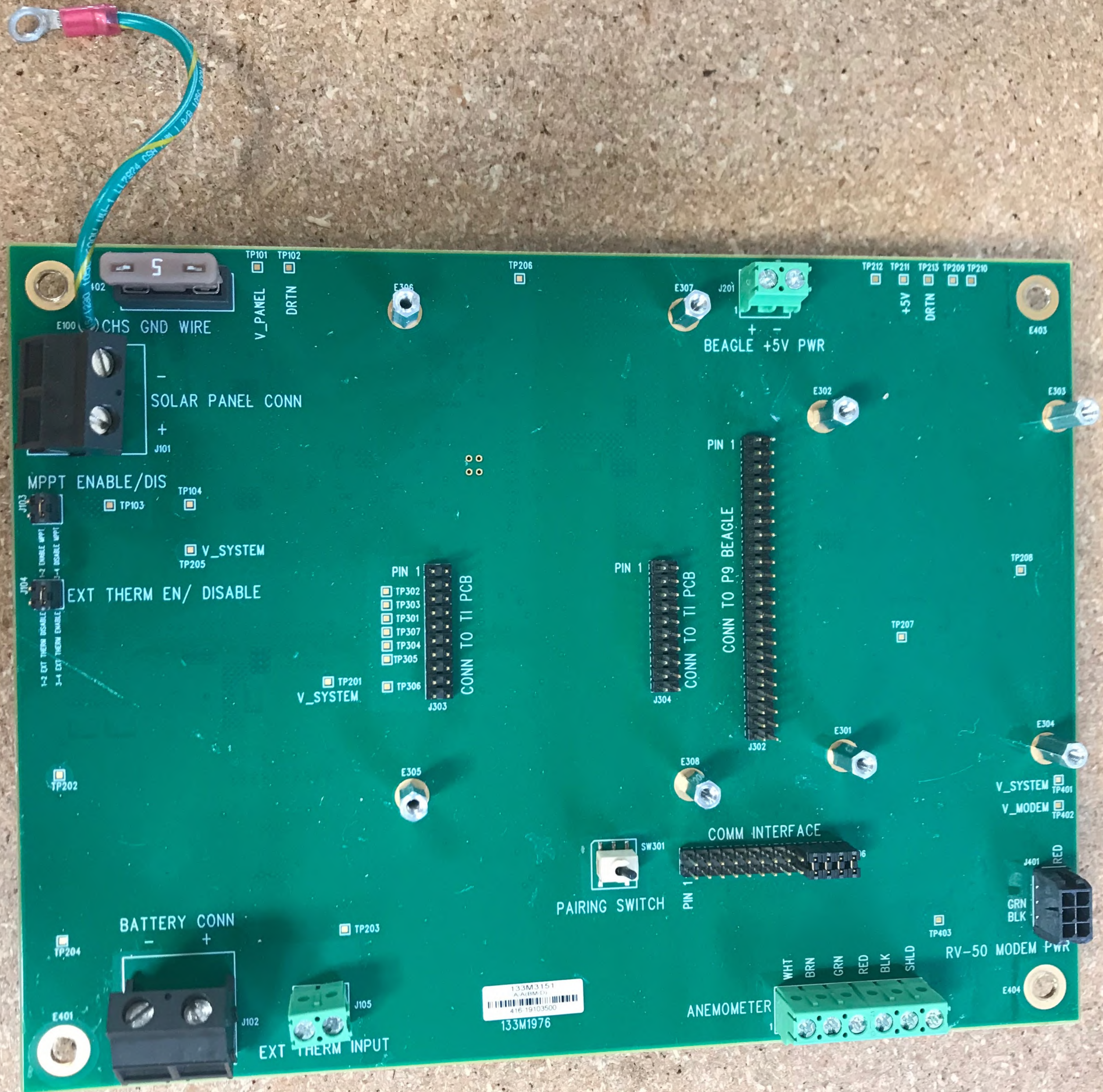
SOLAR PANEL CONN
MPPT ENABLE/DIS
EXT THERM EN/ DISABLE
V_SYSTEM
BATTERY CONN
PAIRING SWITCH
COMM INTERFACE
RV-50 MODEM PWR
SIERRA
WIRELESS
4120
BRIGHT WAY GROUP
BWFV-U1-NB
Warning
MADE IN CHINA

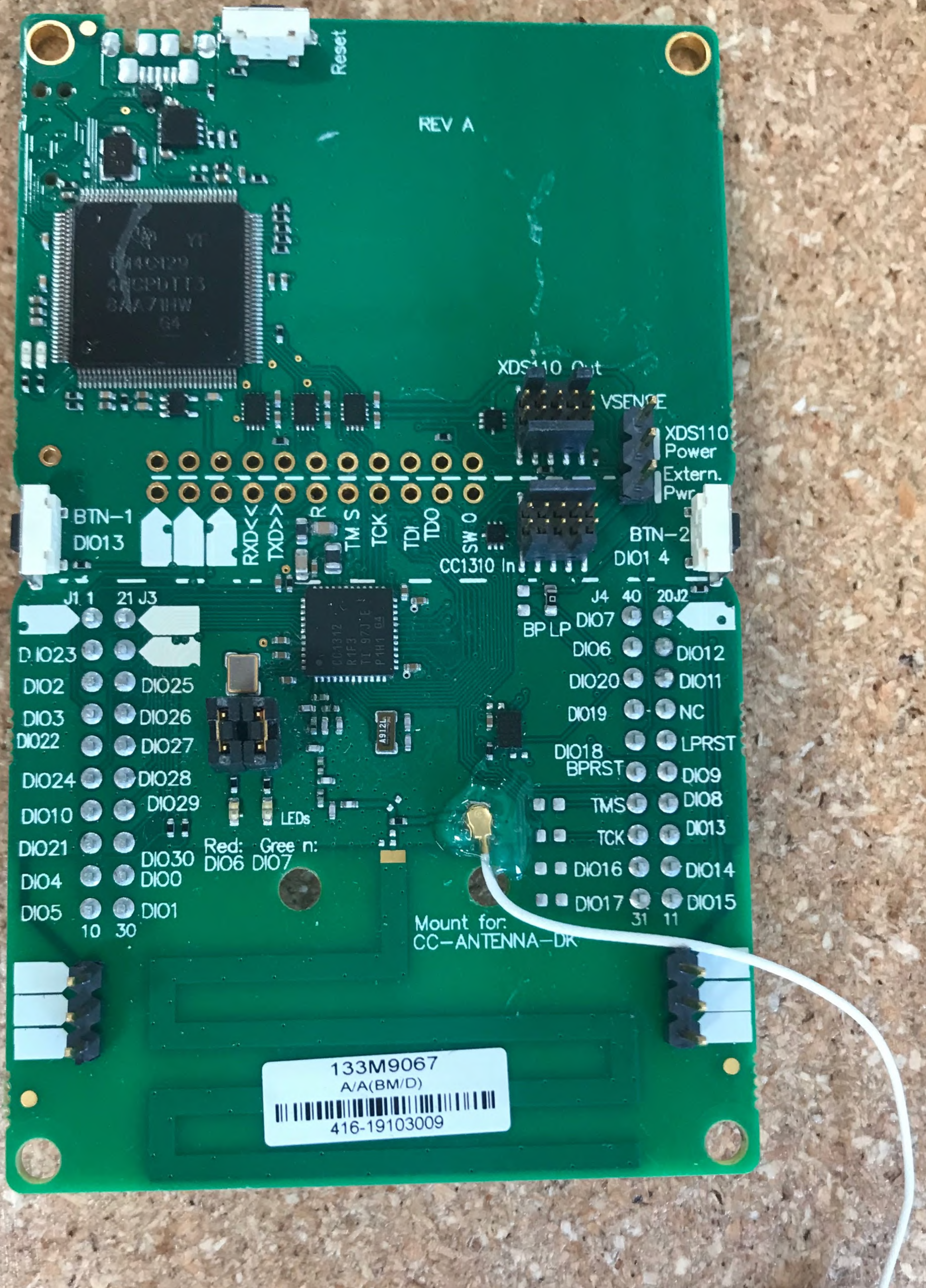

P8
P10
P4
Y2
1543
P6
P2
S/N
U8
P9

S1
RESET
USER LEDS
S3
POWER
USB
P5
10/100 Ethernet
U14
U2
Y3
U13
U5
AM335x
U11
U12
element14
BeagleBone Black Industrial
D7
D6
D8
HDMI
microSD Card
TP3
TP2
TP1
Y1
RT1
J1
C34
P3
USB Host
P1
TP5 TP7
TP6 TP8


SER2915L-333
Coilcraft
1927 D
120
HZC
9W2
SER1390-473ML
Coilcraft
1923 D
180
L8N
103
130
Q401
R406
U401
C402
C401
R403
R402
R405
R404
R407
Q402
R325
R324
R310
R309
R308
R320
R307
R321
R319
C301
R301
R302
R313
R312
R218
C223
R219
R220
C221
C222
U204
R236
C220
R217
R221
C219
L204
R222
C224
R326
R327
R306
R234
R318
R317
R316
R323
R315
R314
R311
R304
R303
R322
R305
R215
R235
R211
R212
U202
C212
C213
C214
R214
R213
C217
C215
C216
R233
R205
C203
R202
R201
U201
C202
C201
R203
C218
C205
C204
R216
R204
L202
L101
C206
U203
R210
R208
C208
R207
R206
C207
R209
C209
C210
C211
R228
C227
FB202
R225
R226
U205
C226
R230
U207
C225
R227
U206
C228
FB201
R231
Q201
R232
C229
R229
C230
M300
M301
R112
Q101
Q102
U102
R106
C129
R130
U103
C123
C119
C121
R136
R127
C101
R137
R129
R124
C122
R125
U101
C120
C118
C117
C106
C107
C108
C109
C110
C111
C112
C113
R123
R122
R121
R120
C105
C104
Q105
R108
R119
R114
R115
R116
R117
R118
C102
C103
Q104
R109
C114
C115
Q106
R126
R133
R135
C126
CR102
C131


CHS GND WIRE
TP101
TP102
V_PANEL
DRTN
TP206
E306
E307
J201
+
-
BEAGLE +5V PWR
TP212
TP211
TP213
TP209
TP210
+5V
DRTN
E403
E100
SOLAR PANEL CONN
J101
E302
E303
PIN 1
MPPT ENABLE/DIS
J103
TP103
TP104
V_SYSTEM
TP205
EXT THERM EN/ DISABLE
J104
1-2 EXT THERM DISABLE
3-4 EXT THERM ENABLE
PIN 1
TP302
TP303
TP301
TP307
TP304
TP305
TP306
J303
CONN TO TI PCB
TP201
V_SYSTEM
PIN 1
J304
CONN TO TI PCB
CONN TO P9 BEAGLE
J302
TP208
TP207
E301
E304
E308
E305
TP202
V_SYSTEM
TP401
V_MODEM
TP402
COMM INTERFACE
SW301
PAIRING SWITCH
PIN 1
J401
RED
GRN
BLK
TP403
RV-50 MODEM PWR
E404
BATTERY CONN
TP204
TP203
J102
J105
E401
EXT THERM INPUT
133M3151
133M1976
ANEMOMETER
WHT
BRN
GRN
RED
BLK
SHLD

E234156
SL-M
94V-0
P8
J2 20 40 J4
J3 21 1 J1
DIO7
DIO6
DIO20
DIO19
DIO18
BPRST
TMS
TCK
DIO16
DIO17
DIO25
DIO26
DIO27
DIO28
DIO29
DIO30
DIO00
DIO01


Reset
REV A
XDS110 Out
VSENSE
XDS110
Power
Extern.
Pwr
BTN–1
DIO13
RXD<<
TXD>>
TMS
TCK
TDI
TDO
SW 0
CC1310 In
BTN–2
DIO1 4
J1 1
21 J3
DIO23
DIO2
DIO25
DIO3
DIO26
DIO22
DIO27
DIO24
DIO28
DIO29
DIO10
DIO21
DIO30
DIO4
DIO0
DIO5
DIO1
10
30
LEDs
Red:
DIO6
Gree n:
DIO7
BP LP
J4 40
20J2
DIO7
DIO6
DIO20
DIO19
DIO18
BPRST
TMS
TCK
DIO16
DIO17
31
DIO12
DIO11
NC
LPRST
DIO9
DIO8
DIO13
DIO14
DIO15
11
Mount for:
CC–ANTENNA–DK
133M9067
A/A(BM/D)
416-19103009