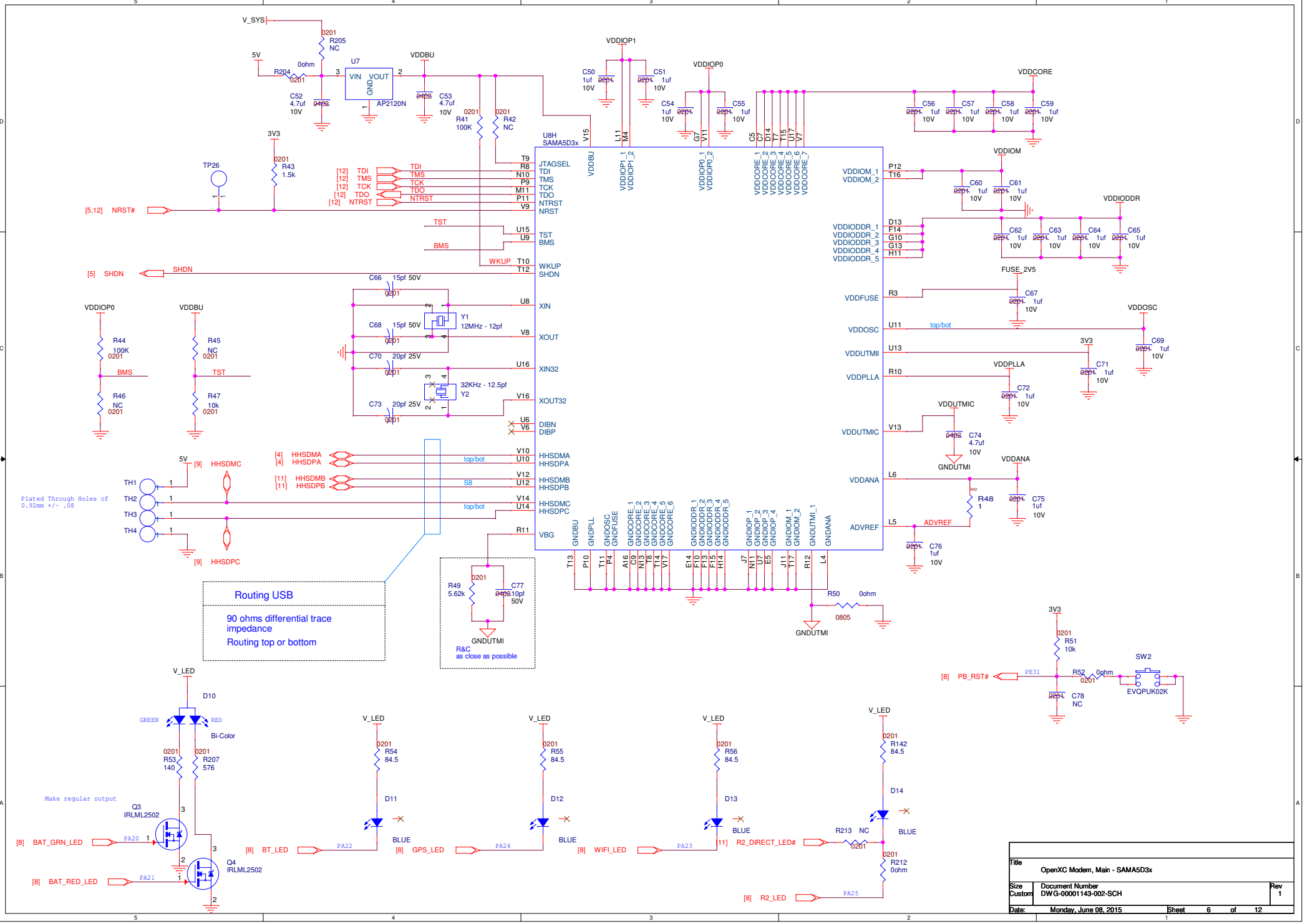
U8H
SAMA5D3x
JTAGSEL
TDI
TMS
TCK
TDO
NTRST
NRST
TST
BMS
WKUP
SHDN
XIN
XOUT
XIN32
XOUT32
DIBN
DIBP
HHSDMA
HHSDPA
HHSDMB
HHSDPB
HHSDMC
HHSDPC
VBG
VDDBU
VDDIOP1
VDDIOP0
VDDCORE
VDDIOM
VDDIODDR
FUSE_2V5
VDDFUSE
VDDOSC
VDDUTMII
VDDPLLA
VDDUTMIC
VDDANA
ADVREF
GNDUTMI
GNDPLL
GNDOSC
GNDFUSE
GNDCORE
GNDIODDR
GNDIOP
GNDIOM
GNDANA
V_SYS
5V
3V3
V_LED
TP26
[5,12] NRST#
[5] SHDN
[8] PB_RST#
[8] BAT_GRN_LED
[8] BAT_RED_LED
[8] BT_LED
[8] GPS_LED
[8] WIFI_LED
[11] R2_DIRECT_LED#
[8] R2_LED
Y1
12MHz - 12pf
Y2
32KHz - 12.5pf
U7
AP2120N
SW2
EVQPUK02K
D10
Bi-Color
GREEN
RED
Q3
IRLML2502
Q4
IRLML2502
D11
D12
D13
D14
BLUE
Make regular output
Plated Through Holes of 0.92mm +/- .08
TH1
TH2
TH3
TH4
Routing USB
90 ohms differential trace impedance
Routing top or bottom
R&C
as close as possible
R205 NC
R204 0ohm
R41 100K
R42 NC
R43 1.5k
R44 100K
R45 NC
R46 NC
R47 10k
R48 1
R49 5.62k
R50 0ohm
R51 10k
R52 0ohm
R53 140
R207 576
R54 84.5
R55 84.5
R56 84.5
R142 84.5
R212 0ohm
R213 NC
C77 10pf 50V
C66 15pf 50V
C68 15pf 50V
C70 20pf 25V
C73 20pf 25V
C52 4.7uf 10V
C53 4.7uf 10V
C74 4.7uf 10V
top/bot
S8
Title
OpenXC Modem, Main - SAMA5D3x
Size
Custom
Document Number
DWG-00001143-002-SCH
Rev
1
Date:
Monday, June 08, 2015
Sheet
6
of
12