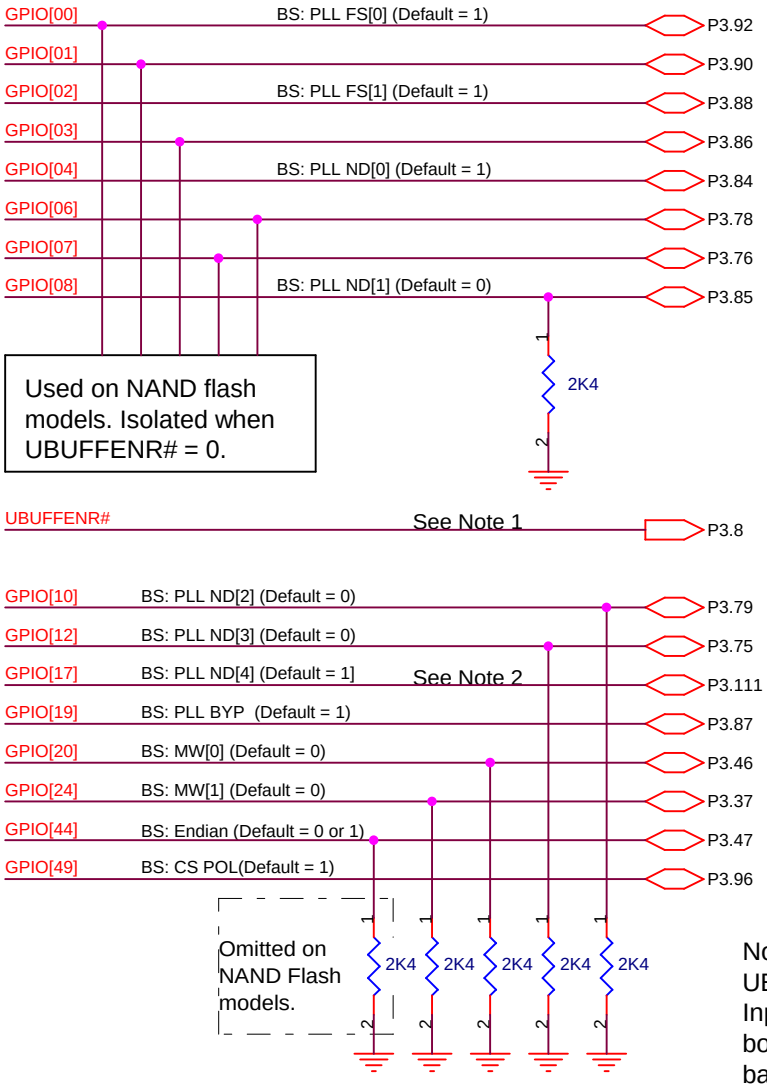
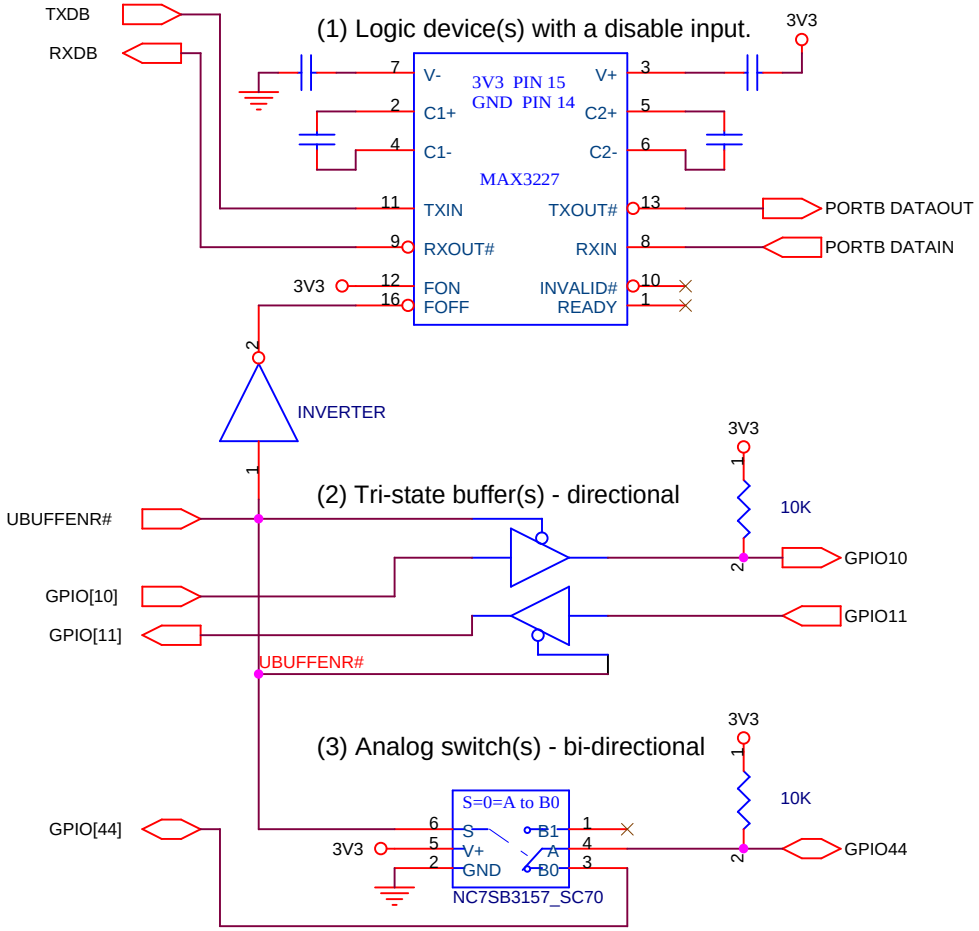
CC9C / Wi-9C Module



Baseboard - 3 Isolation Examples

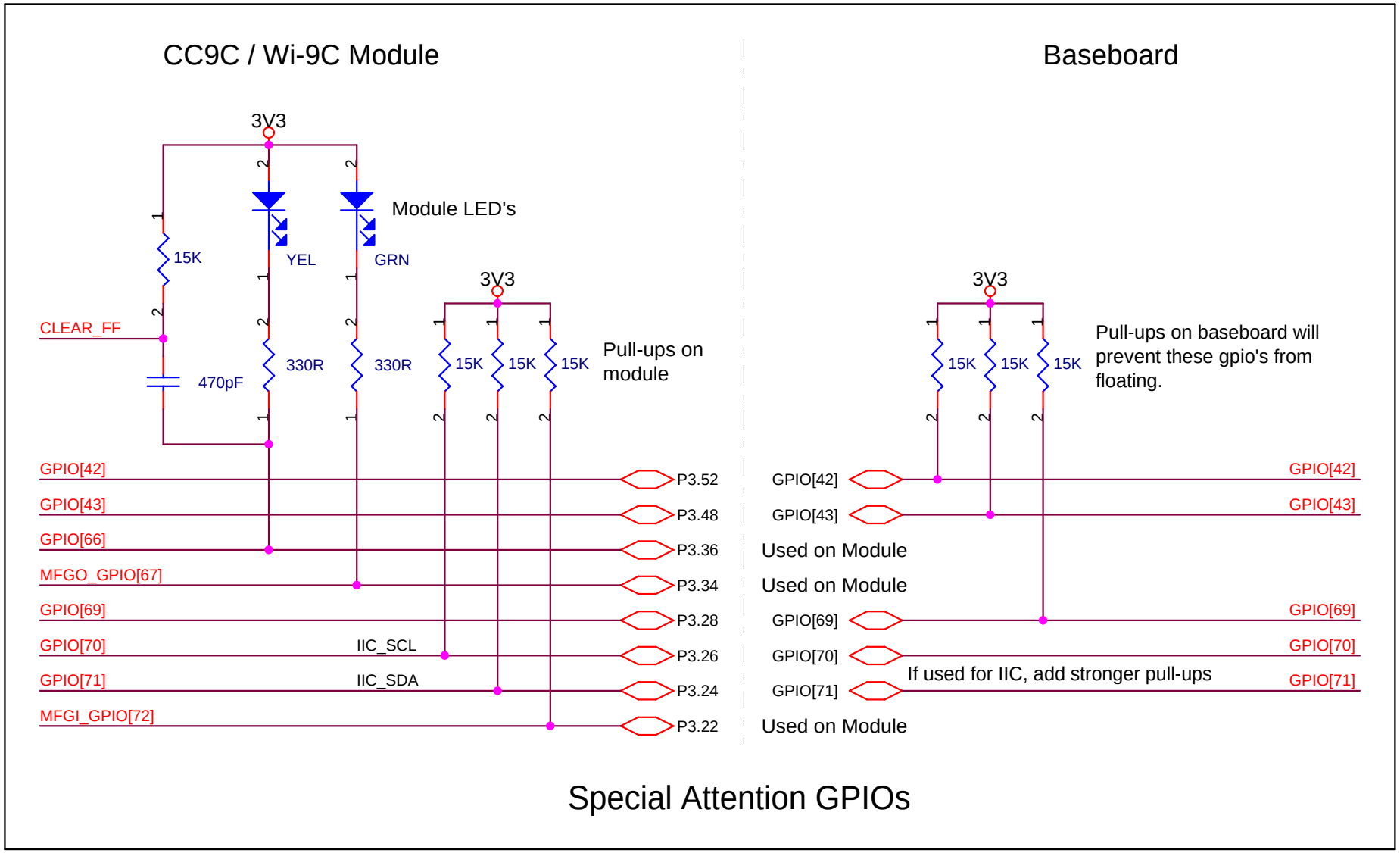


Note 1:
UBUFFENR# - 24ma driver used to hold baseboard drivers off until boot is done. Inputs must not be driven until this output = "0". Isolation protects GPIO pins with bootstrap(BS) from being latched incorrectly during boot, and conversely protects baseboard inputs from being effected by bootstrap 2K4 pull-down resistors.

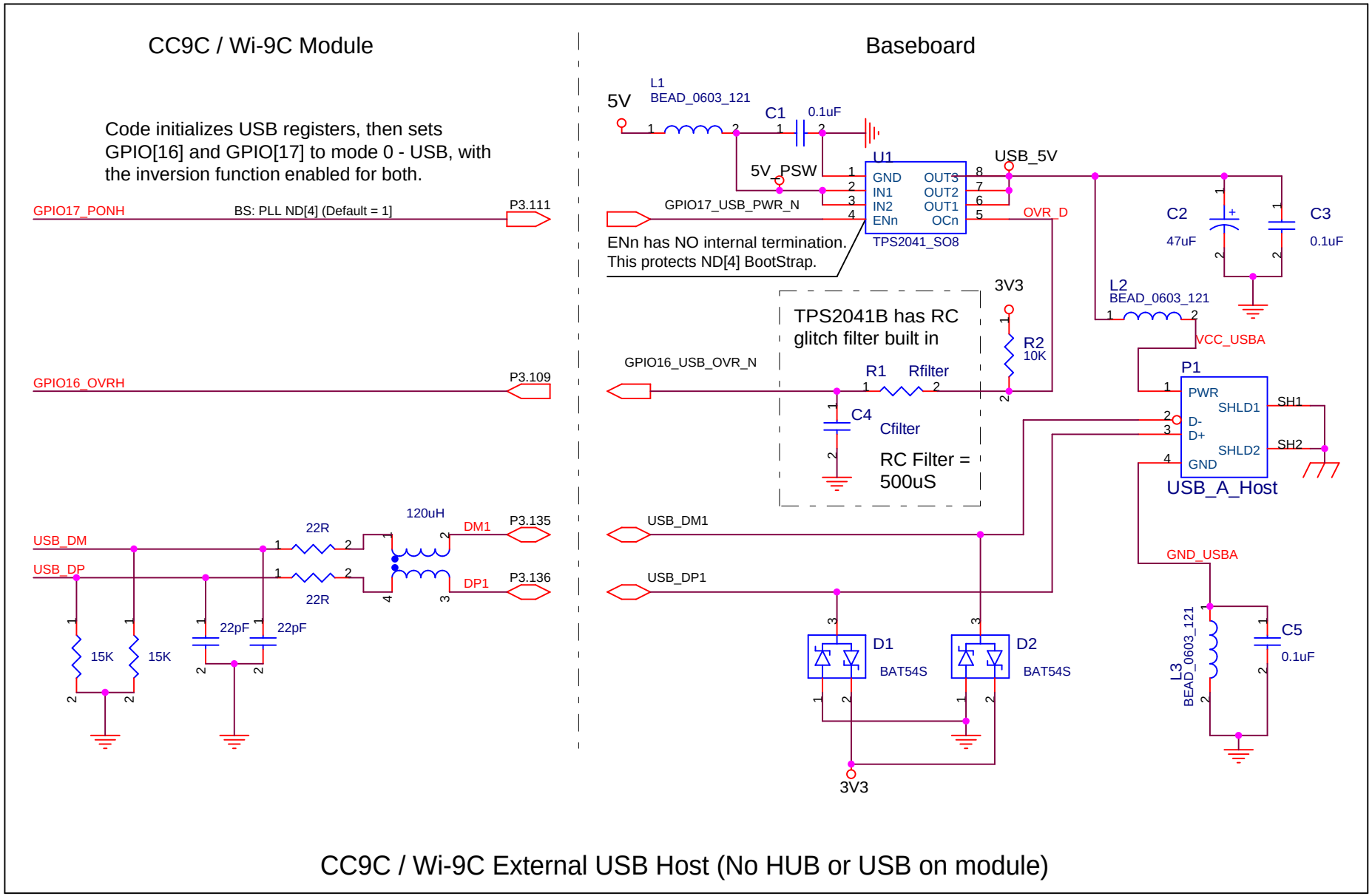
Note 2:
GPIO[17] and GPIO[16] are normally reserved for external USB host functiions. See Ext. USB Host drawing.

BootStrap Isolation Considerations

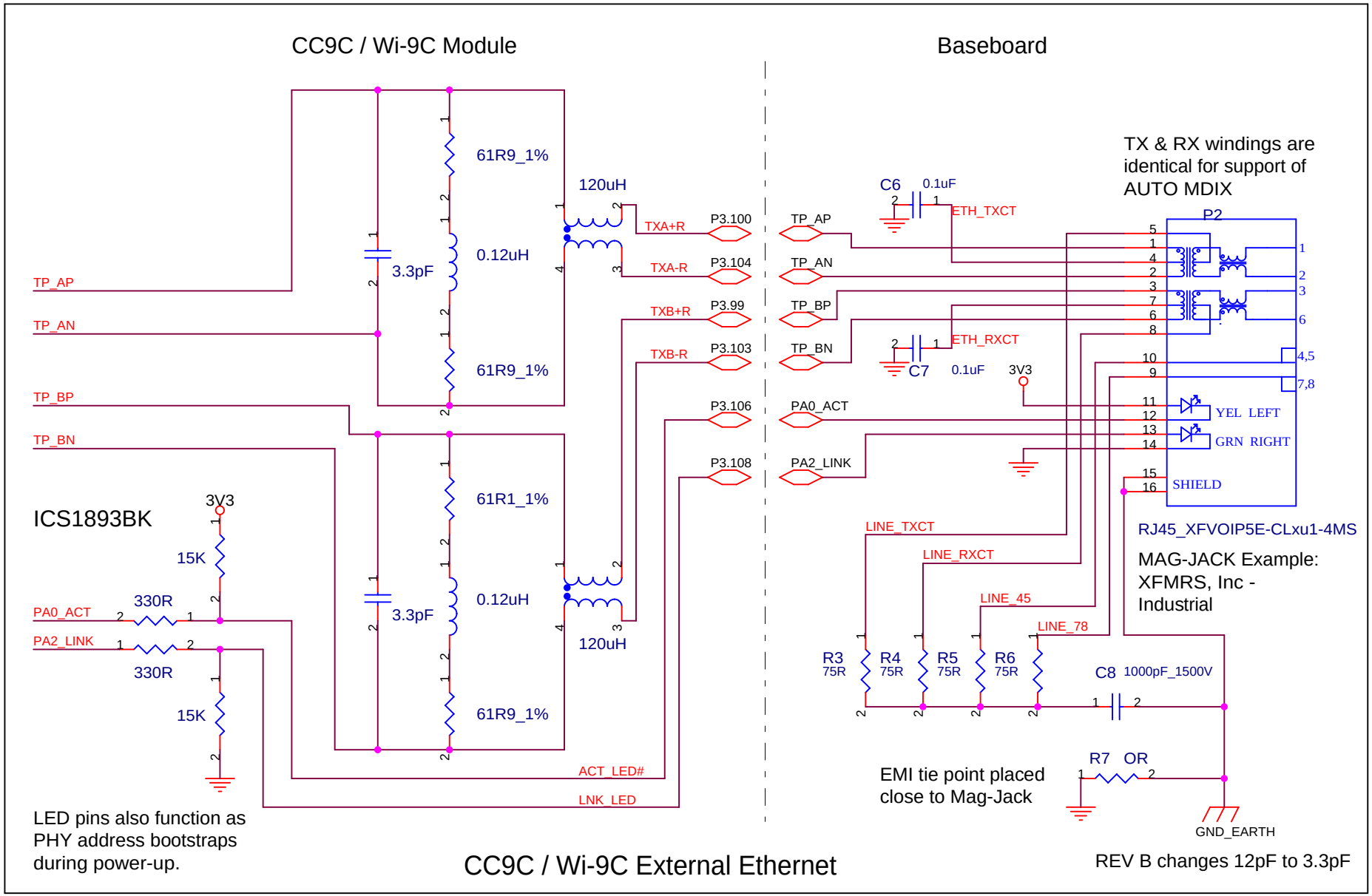
REV B corrects connection to GPIO[06]

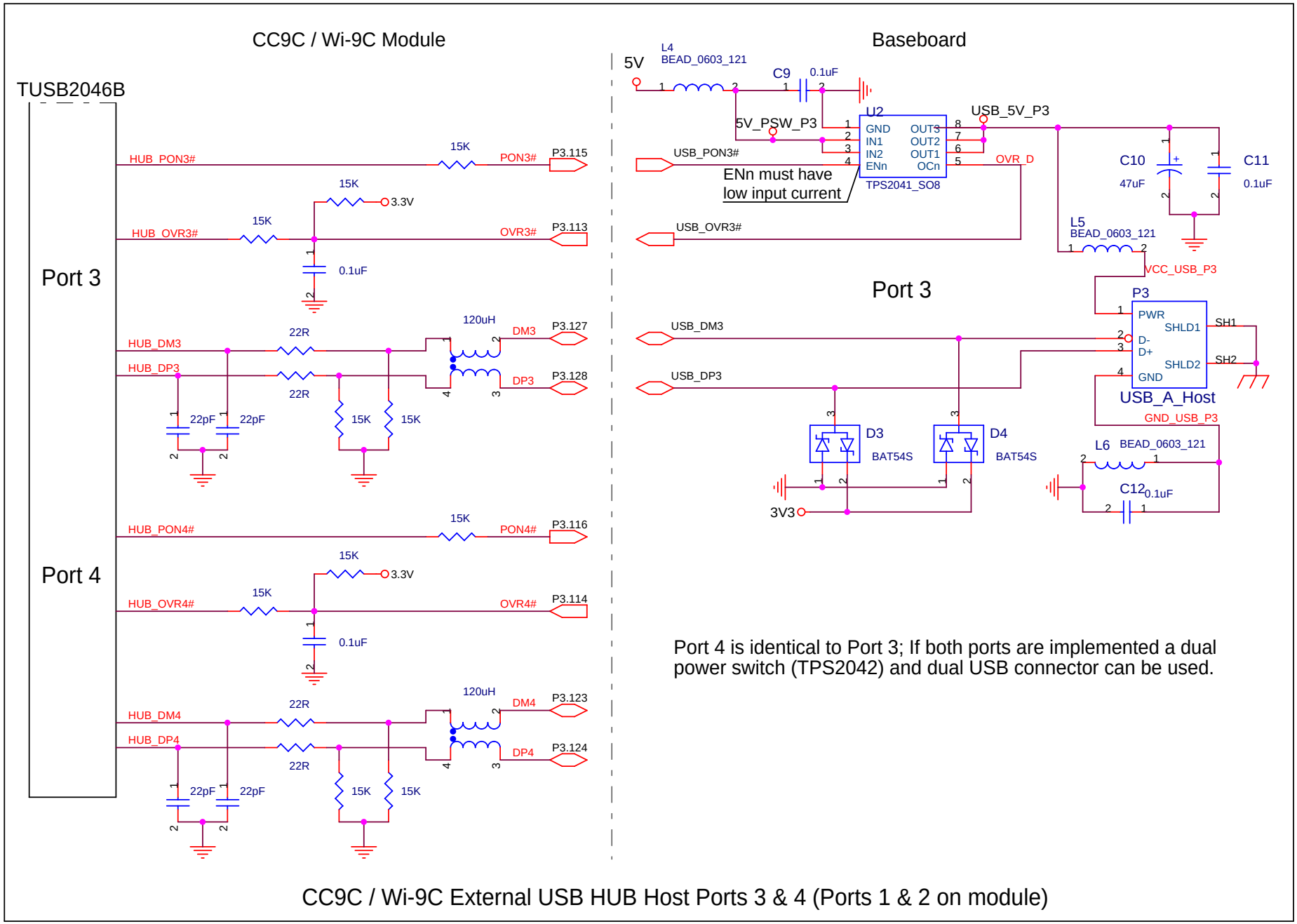


Special Attention GPIOs



CC9C / Wi-9C External USB Host (No HUB or USB on module)


CC9C / Wi-9C Module
Baseboard
TX & RX windings are identical for support of AUTO MDIX
TP_AP
TP_AN
TP_BP
TP_BN
61R9_1%
3.3pF
0.12uH
120uH
TXA+R
TXA-R
TXB+R
TXB-R
P3.100
P3.104
P3.99
P3.103
P3.106
P3.108
ICS1893BK
3V3
15K
330R
PA0_ACT
PA2_LINK
61R1_1%
ACT_LED#
LNK_LED
LED pins also function as PHY address bootstraps during power-up.
C6
0.1uF
ETH_TXCT
C7
ETH_RXCT
P2
YEL LEFT
GRN RIGHT
SHIELD
RJ45_XFVOIP5E-CLxu1-4MS
MAG-JACK Example: XFMRS, Inc - Industrial
LINE_TXCT
LINE_RXCT
LINE_45
LINE_78
R3 75R
R4 75R
R5 75R
R6 75R
C8 1000pF_1500V
R7 OR
EMI tie point placed close to Mag-Jack
GND_EARTH
REV B changes 12pF to 3.3pF
CC9C / Wi-9C External Ethernet



CC9C / Wi-9C External USB HUB Host Ports 3 & 4 (Ports 1 & 2 on module)