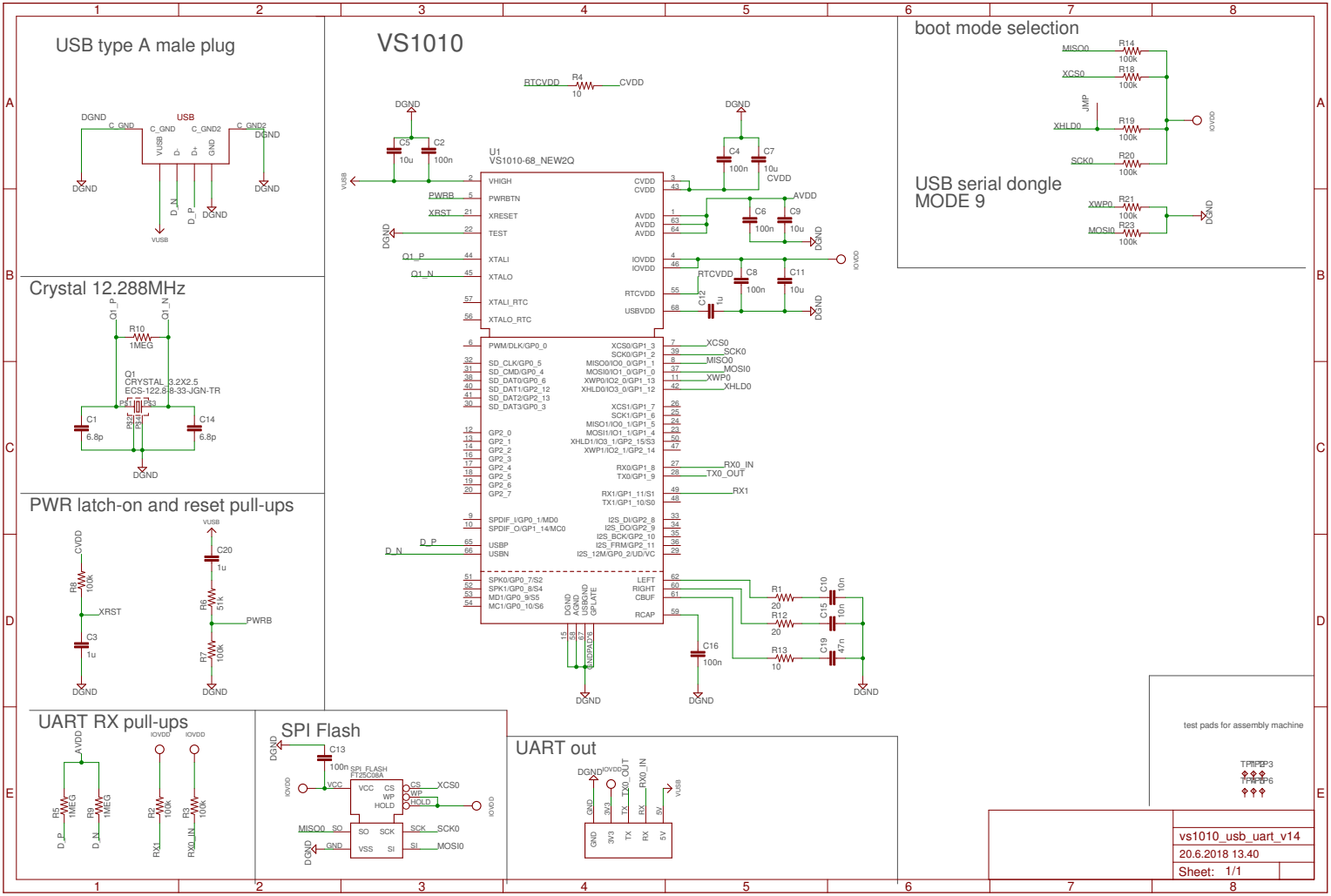
USB type A male plug
USB
DGND
C_GND
C_GND2
VUSB
D-
D+
GND
D_N
D_P
Crystal 12.288MHz
Q1_P
Q1_N
R10
1MEG
Q1
CRYSTAL_3.2X2.5
ECS-122.8-8-33-JGN-TR
C1
6.8p
C14
6.8p
PWR latch-on and reset pull-ups
CVDD
R8
100k
XRST
C3
1u
C20
1u
R6
51k
PWRB
R7
100k
UART RX pull-ups
AVDD
IOVDD
R5
1MEG
R9
1MEG
R2
10k
R3
10k
RX1
RX0_IN
SPI Flash
C13
100n
SPI_FLASH
FT25C08A
VCC
CS
WP
HOLD
SO
SCK
SI
VSS
MISO0
SCK0
MOSI0
VS1010
U1
VS1010-68_NEW2Q
RTCVDD
R4
10
CVDD
C5
10u
C2
100n
VHIGH
PWRBTN
XRESET
TEST
XTALI
XTALO
XTALI_RTC
XTALO_RTC
PWM/DLK/GP0_0
SD_CLK/GP0_5
SD_CMD/GP0_4
SD_DAT0/GP0_6
SD_DAT1/GP2_12
SD_DAT2/GP2_13
SD_DAT3/GP0_3
GP2_0
GP2_1
GP2_2
GP2_3
GP2_4
GP2_5
GP2_6
GP2_7
SPDIF_I/GP0_1/MD0
SPDIF_O/GP1_14/MC0
USBP
USBN
SPK0/GP0_7/S2
SPK1/GP0_8/S4
MD1/GP0_9/S5
MC1/GP0_10/S6
CVDD
CVDD
AVDD
AVDD
AVDD
IOVDD
IOVDD
RTCVDD
USBVDD
XCS0/GP1_3
SCK0/GP1_2
MISO0/IO0_0/GP1_1
MOSI0/IO1_0/GP1_0
XWP0/IO2_0/GP1_13
XHLD0/IO3_0/GP1_12
XCS1/GP1_7
SCK1/GP1_6
MISO1/IO0_1/GP1_5
MOSI1/IO1_1/GP1_4
XHLD1/IO3_1/GP2_15/S3
XWP1/IO2_1/GP2_14
RX0/GP1_8
TX0/GP1_9
RX1/GP1_11/S1
TX1/GP1_10/S0
I2S_DI/GP2_8
I2S_DO/GP2_9
I2S_BCK/GP2_10
I2S_FRM/GP2_11
I2S_12M/GP0_2/UD/VC
LEFT
RIGHT
CBUF
RCAP
DGND
AGND
GPBGND
GPLATE
GND/PAD
C4
100n
C7
10u
C6
100n
C9
10u
C8
100n
C11
10u
C12
1u
C16
100n
R1
20
R12
20
R13
10
C10
10n
C15
10n
C19
47n
XCS0
SCK0
MISO0
MOSI0
XWP0
XHLD0
RX0_IN
TX0_OUT
RX1
D_P
D_N
UART out
DGND
IOVDD
TX0_OUT
RX0_IN
VUSB
GND
3V3
TX
RX
5V
boot mode selection
MISO0
R14
100k
XCS0
R18
100k
JMP
XHLD0
R19
100k
SCK0
R20
100k
USB serial dongle
MODE 9
XWP0
R21
100k
MOSI0
R23
100k
test pads for assembly machine
TP1
TP2
TP3
TP4
TP5
TP6
vs1010_usb_uart_v14
20.6.2018 13.40
Sheet: 1/1