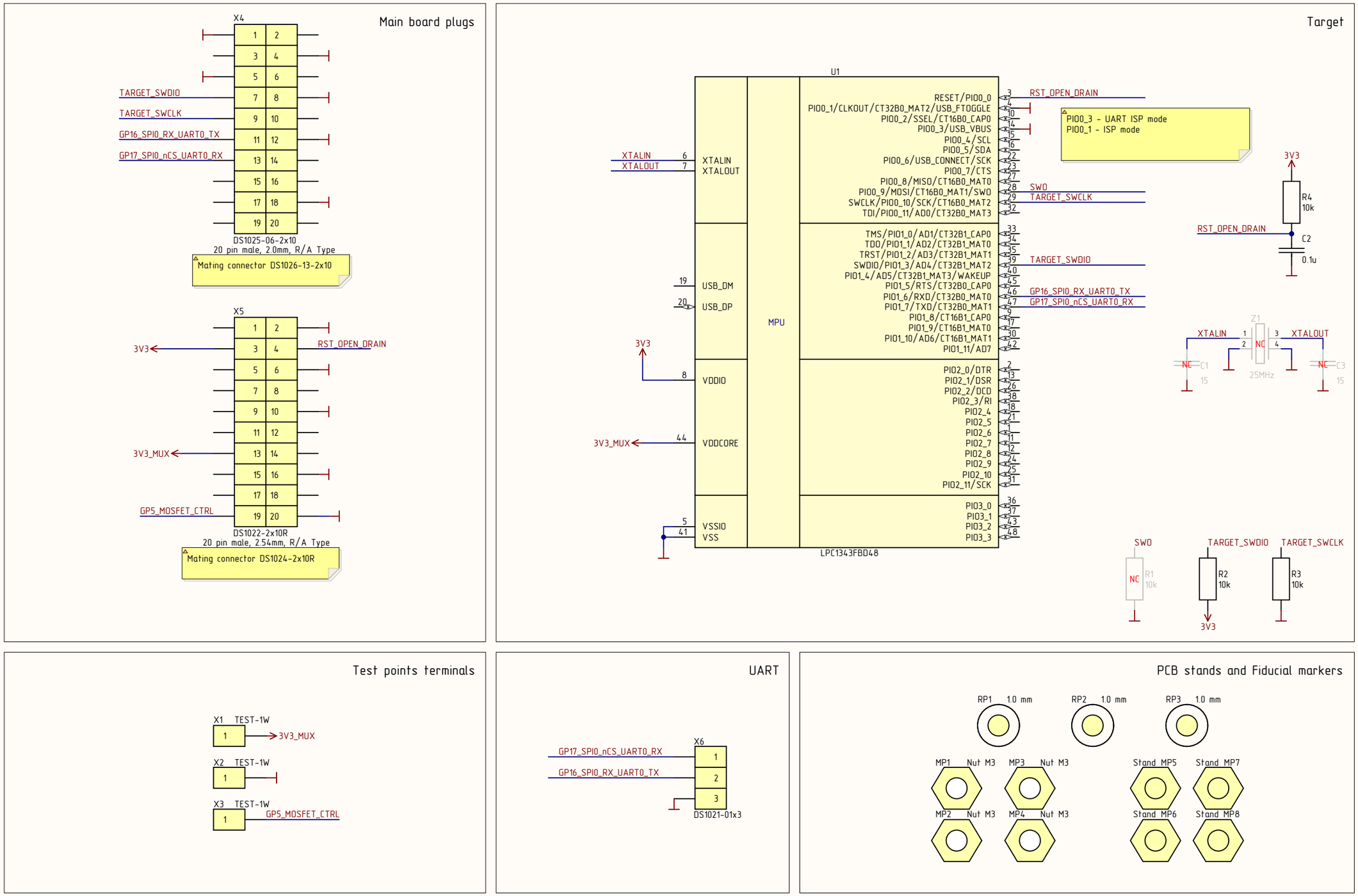
Main board plugs
X4
TARGET_SWDIO
TARGET_SWCLK
GP16_SPI0_RX_UART0_TX
GP17_SPI0_nCS_UART0_RX
DS1025-06-2x10
20 pin male, 2.0mm, R/A Type
Mating connector DS1026-13-2x10
X5
3V3
RST_OPEN_DRAIN
3V3_MUX
GP5_MOSFET_CTRL
DS1022-2x10R
20 pin male, 2.54mm, R/A Type
Mating connector DS1024-2x10R
Target
U1
RESET/PIO0_0
PIO0_1/CLKOUT/CT32B0_MAT2/USB_FTOGGLE
PIO0_2/SSEL/CT16B0_CAP0
PIO0_3/USB_VBUS
PIO0_4/SCL
PIO0_5/SDA
PIO0_6/USB_CONNECT/SCK
PIO0_7/CTS
PIO0_8/MISO/CT16B0_MAT0
PIO0_9/MOSI/CT16B0_MAT1/SWO
SWCLK/PIO0_10/SCK/CT16B0_MAT2
TDI/PIO0_11/AD0/CT32B0_MAT3
TMS/PIO1_0/AD1/CT32B1_CAP0
TDO/PIO1_1/AD2/CT32B1_MAT0
TRST/PIO1_2/AD3/CT32B1_MAT1
SWDIO/PIO1_3/AD4/CT32B1_MAT2
PIO1_4/AD5/CT32B1_MAT3/WAKEUP
PIO1_5/RTS/CT32B0_CAP0
PIO1_6/RXD/CT32B0_MAT0
PIO1_7/TXD/CT32B0_MAT1
PIO1_8/CT16B1_CAP0
PIO1_9/CT16B1_MAT0
PIO1_10/AD6/CT16B1_MAT1
PIO1_11/AD7
PIO2_0/DTR
PIO2_1/DSR
PIO2_2/DCD
PIO2_3/RI
PIO2_4
PIO2_5
PIO2_6
PIO2_7
PIO2_8
PIO2_9
PIO2_10
PIO2_11/SCK
PIO3_0
PIO3_1
PIO3_2
PIO3_3
XTALIN
XTALOUT
USB_DM
USB_DP
VDDIO
VDDCORE
VSSIO
VSS
MPU
LPC1343FBD48
PIO0_3 - UART ISP mode
PIO0_1 - ISP mode
SWO
TARGET_SWCLK
TARGET_SWDIO
GP16_SPI0_RX_UART0_TX
GP17_SPI0_nCS_UART0_RX
3V3
3V3_MUX
R4
10k
C2
0.1u
Z1
25MHz
C1
C3
R1
10k
R2
10k
R3
10k
Test points terminals
X1 TEST-1W
X2 TEST-1W
X3 TEST-1W
UART
X6
DS1021-01x3
PCB stands and Fiducial markers
RP1 1.0 mm
RP2 1.0 mm
RP3 1.0 mm
MP1 Nut M3
MP2 Nut M3
MP3 Nut M3
MP4 Nut M3
Stand MP5
Stand MP6
Stand MP7
Stand MP8