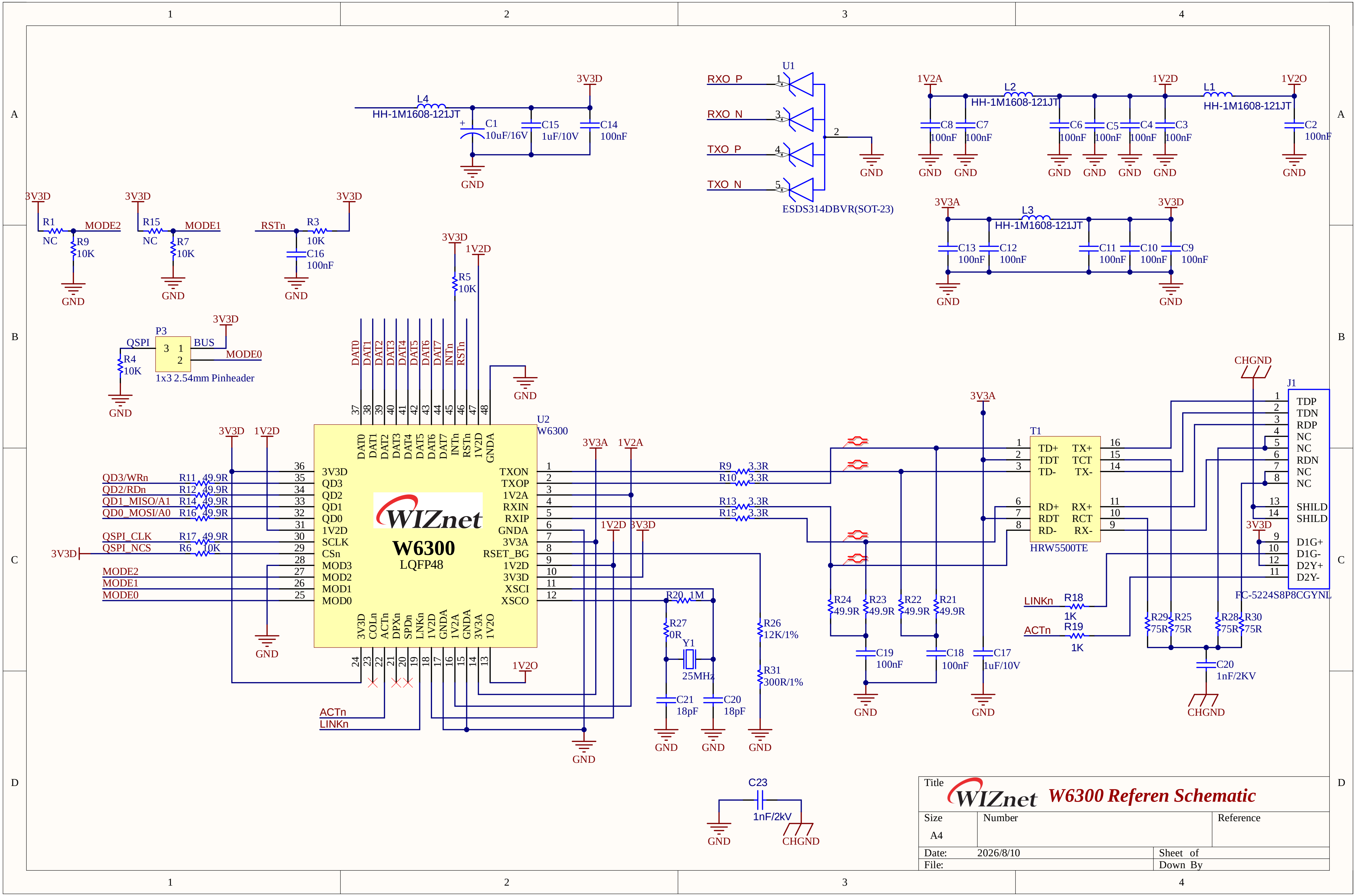
U2
W6300
LQFP48
WIZnet
3V3D
QD3
QD2
QD1
QD0
1V2D
SCLK
CSn
MOD3
MOD2
MOD1
MOD0
TXON
TXOP
1V2A
RXIN
RXIP
GNDA
3V3A
RSET_BG
XSCI
XSCO
DAT0
DAT1
DAT2
DAT3
DAT4
DAT5
DAT6
DAT7
INTn
RSTn
COLn
ACTn
DPXn
SPDn
LNKn
1V2O
QD3/WRn
QD2/RDn
QD1_MISO/A1
QD0_MOSI/A0
QSPI_CLK
QSPI_NCS
MODE2
MODE1
MODE0
LINKn
R11 49.9R
R12 49.9R
R14 49.9R
R16 49.9R
R17 49.9R
R6 10K
R1 NC
R9 10K
R15 NC
R7 10K
R3 10K
C16 100nF
R5 10K
P3
QSPI
BUS
1x3 2.54mm Pinheader
R4 10K
L4 HH-1M1608-121JT
C1 10uF/16V
C15 1uF/10V
C14 100nF
U1
RXO_P
RXO_N
TXO_P
TXO_N
ESDS314DBVR(SOT-23)
L2 HH-1M1608-121JT
L1 HH-1M1608-121JT
L3 HH-1M1608-121JT
C8 100nF
C7 100nF
C6 100nF
C5 100nF
C4 100nF
C3 100nF
C2 100nF
C13 100nF
C12 100nF
C11 100nF
C10 100nF
C9 100nF
R9 3.3R
R10 3.3R
R13 3.3R
R15 3.3R
R20 1M
R27 0R
Y1 25MHz
C21 18pF
C20 18pF
R26 12K/1%
R31 300R/1%
R24 49.9R
R23 49.9R
R22 49.9R
R21 49.9R
C19 100nF
C18 100nF
C17 1uF/10V
T1
TD+ TDT TD- RD+ RDT RD-
TX+ TCT TX- RX+ RCT RX-
HRW5500TE
R18 1K
R19 1K
R29 75R
R25 75R
R28 75R
R30 75R
C20 1nF/2KV
CHGND
J1
TDP TDN RDP NC NC RDN NC NC SHILD SHILD D1G+ D1G- D2Y+ D2Y-
FC-5224S8P8CGYNL
C23 1nF/2kV
GND
Title
W6300 Referen Schematic
Size A4
Number
Reference
Date: 2026/8/10
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