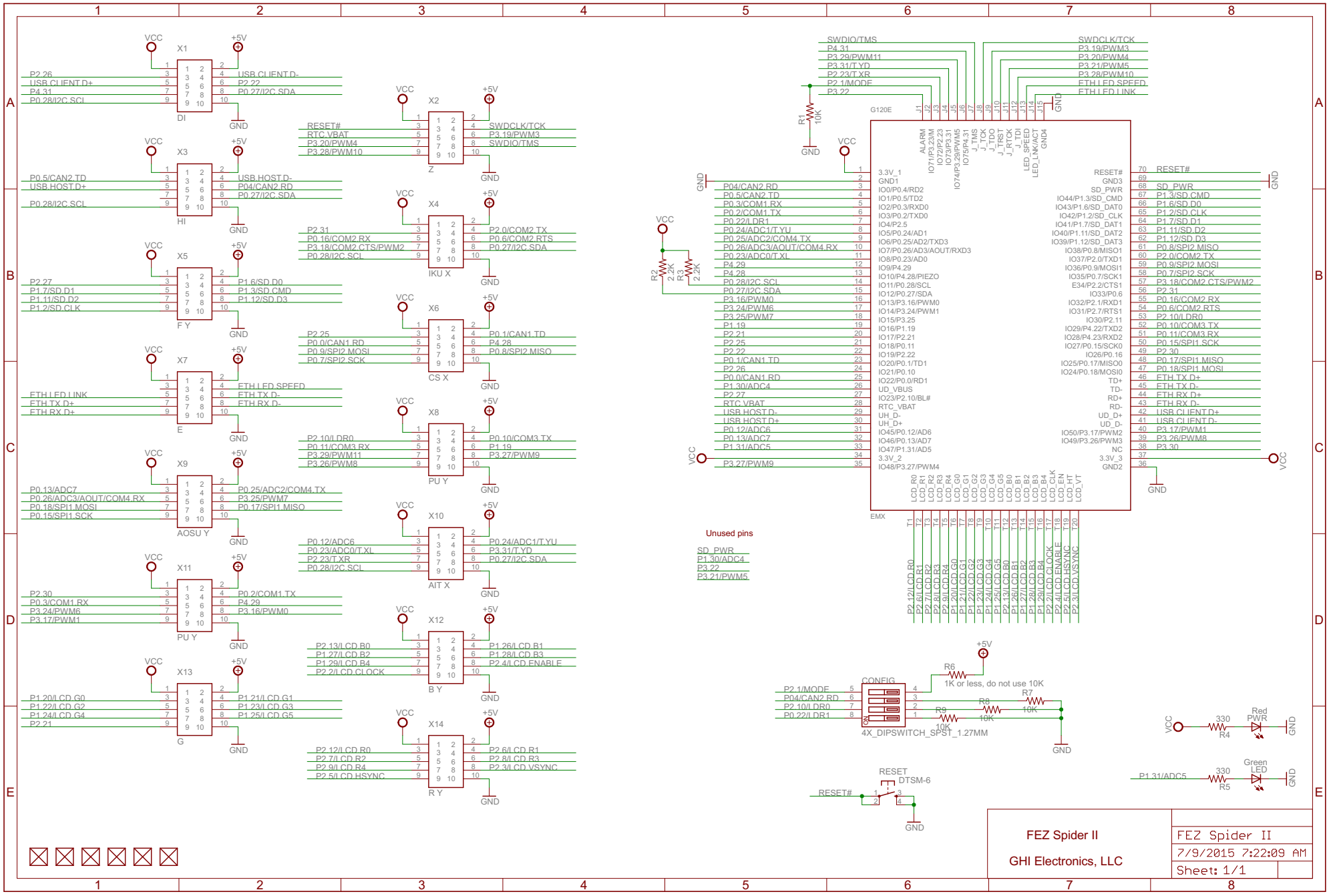
X1 DI
P2.26 USB.CLIENT.D+ P4.31 P0.28/I2C.SCL
USB.CLIENT.D- P2.22 P0.27/I2C.SDA
X2 Z
RESET# RTC.VBAT P3.20/PWM4 P3.28/PWM10
SWDCLK/TCK P3.19/PWM3 SWDIO/TMS
X3 HI
P0.5/CAN2.TD USB.HOST.D+ P0.28/I2C.SCL
USB.HOST.D- P04/CAN2.RD P0.27/I2C.SDA
X4 IKU X
P2.31 P0.16/COM2.RX P3.18/COM2.CTS/PWM2 P0.28/I2C.SCL
P0.2/COM2.TX P0.6/COM2.RTS P0.27/I2C.SDA
X5 F Y
P2.27 P1.7/SD.D1 P1.11/SD.D2 P1.2/SD.CLK
P1.6/SD.D0 P1.3/SD.CMD P1.12/SD.D3
X6 CS X
P2.25 P0.0/CAN1.RD P0.9/SPI2.MOSI P0.7/SPI2.SCK
P0.1/CAN1.TD P4.28 P0.8/SPI2.MISO
X7 E
ETH.LED.LINK ETH.TX.D+ ETH.RX.D+
ETH.LED.SPEED ETH.TX.D- ETH.RX.D-
X8 PU Y
P2.10/LDR0 P0.11/COM3.RX P3.29/PWM11 P3.26/PWM8
P0.10/COM3.TX P1.19 P3.27/PWM9
X9 AOSU Y
P0.13/ADC7 P0.26/ADC3/AOUT/COM4.RX P0.18/SPI1.MOSI P0.15/SPI1.SCK
P0.25/ADC2/COM4.TX P3.25/PWM7 P0.17/SPI1.MISO
X10 AIT X
P0.12/ADC6 P0.23/ADC0/T.XL P2.23/T.XR P0.28/I2C.SCL
P0.24/ADC1/T.YU P3.31/T.YD P0.27/I2C.SDA
X11 PU Y
P2.30 P0.3/COM1.RX P3.24/PWM6 P3.17/PWM1
P0.2/COM1.TX P4.29 P3.16/PWM0
X12 B Y
P2.13/LCD.B0 P1.27/LCD.B2 P1.29/LCD.B4 P2.2/LCD.CLOCK
P1.26/LCD.B1 P1.28/LCD.B3 P2.4/LCD.ENABLE
X13 G
P1.20/LCD.G0 P1.22/LCD.G2 P1.24/LCD.G4 P2.21
P1.21/LCD.G1 P1.23/LCD.G3 P1.25/LCD.G5
X14 R Y
P2.12/LCD.R0 P2.7/LCD.R2 P2.9/LCD.R4 P2.5/LCD.HSYNC
P2.6/LCD.R1 P2.8/LCD.R3 P2.3/LCD.VSYNC
VCC +5V GND
G120E
SWDIO/TMS P4.31 P3.29/PWM11 P3.31/T.YD P2.23/T.XR P2.1/MODE P3.22
SWDCLK/TCK P3.19/PWM3 P3.20/PWM4 P3.21/PWM5 P3.28/PWM10 ETH.LED.SPEED ETH.LED.LINK
R1 10K
ALARM IO71/P3.23/M IO72/P2.23 IO73/P3.31 IO74/P3.29/PWM5 IO75/P4.31 J_TMS J_TCK J_TDO J_TRST J_RTCK J_TDI LED_SPEED LED_LNK/ACT GND4
3.3V_1 GND1 IO0/P0.4/RD2 IO1/P0.5/TD2 IO2/P0.3/RXD0 IO3/P0.2/TXD0 IO4/P2.5 IO5/P0.24/AD1 IO6/P0.25/AD2/TXD3 IO7/P0.26/AD3/AOUT/RXD3 IO8/P0.23/AD0 IO9/P4.29 IO10/P4.28/PIEZO IO11/P0.28/SCL IO12/P0.27/SDA IO13/P3.16/PWM0 IO14/P3.24/PWM1 IO15/P3.25 IO16/P1.19 IO17/P2.21 IO18/P0.11 IO19/P2.22 IO20/P0.1/TD1 IO21/P0.10 IO22/P0.0/RD1 UD_VBUS IO23/P2.10/BL# RTC_VBAT UH_D- UH_D+ IO45/P0.12/AD6 IO46/P0.13/AD7 IO47/P1.31/AD5 3.3V_2 IO48/P3.27/PWM4
RESET# GND3 SD_PWR IO44/P1.3/SD_CMD IO43/P1.6/SD_DAT0 IO42/P1.2/SD_CLK IO41/P1.7/SD_DAT1 IO40/P1.11/SD_DAT2 IO39/P1.12/SD_DAT3 IO38/P0.8/MISO1 IO37/P2.0/TXD1 IO36/P0.9/MOSI1 IO35/P0.7/SCK1 E34/P2.2/CTS1 IO33/P0.6 IO32/P2.1/RXD1 IO31/P2.7/RTS1 IO30/P2.11 IO29/P4.22/TXD2 IO28/P4.23/RXD2 IO27/P0.15/SCK0 IO26/P0.16 IO25/P0.17/MISO0 IO24/P0.18/MOSI0 TD+ TD- RD+ RD- UD_D+ UD_D- IO50/P3.17/PWM2 IO49/P3.26/PWM3 NC 3.3V_3 GND2
RESET# GND3 SD_PWR P1.3/SD.CMD P1.6/SD.D0 P1.2/SD.CLK P1.7/SD.D1 P1.11/SD.D2 P1.12/SD.D3 P0.8/SPI2.MISO P2.0/COM2.TX P0.9/SPI2.MOSI P0.7/SPI2.SCK P3.18/COM2.CTS/PWM2 P2.31 P0.16/COM2.RX P0.6/COM2.RTS P2.10/LDR0 P0.10/COM3.TX P0.11/COM3.RX P0.15/SPI1.SCK P2.30 P0.17/SPI1.MISO P0.18/SPI1.MOSI ETH.TX.D+ ETH.TX.D- ETH.RX.D+ ETH.RX.D- USB.CLIENT.D+ USB.CLIENT.D- P3.26/PWM8 P3.30 P3.17/PWM1
P04/CAN2.RD P0.5/CAN2.TD P0.3/COM1.RX P0.2/COM1.TX P0.22/LDR1 P0.24/ADC1/T.YU P0.25/ADC2/COM4.TX P0.26/ADC3/AOUT/COM4.RX P0.23/ADC0/T.XL P4.29 P4.28 P0.28/I2C.SCL P0.27/I2C.SDA P3.16/PWM0 P3.24/PWM6 P3.25/PWM7 P1.19 P2.21 P2.25 P2.22 P0.1/CAN1.TD P2.26 P0.0/CAN1.RD P1.30/ADC4 P2.27 RTC.VBAT USB.HOST.D- USB.HOST.D+ P0.12/ADC6 P0.13/ADC7 P1.31/ADC5 P3.27/PWM9
R2 2.2K R3 2.2K
EMX
T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20
P2.12/LCD.R0 P2.6/LCD.R1 P2.7/LCD.R2 P2.8/LCD.R3 P2.9/LCD.R4 P1.20/LCD.G0 P1.21/LCD.G1 P1.22/LCD.G2 P1.23/LCD.G3 P1.24/LCD.G4 P1.25/LCD.G5 P2.13/LCD.B0 P1.26/LCD.B1 P1.27/LCD.B2 P1.28/LCD.B3 P1.29/LCD.B4 P2.2/LCD.CLOCK P2.4/LCD.ENABLE P2.5/LCD.HSYNC P2.3/LCD.VSYNC
Unused pins
SD_PWR P1.30/ADC4 P3.22 P3.21/PWM5
CONFIG
P2.1/MODE P04/CAN2.RD P2.10/LDR0 P0.22/LDR1
4X_DIPSWITCH_SPST_1.27MM
R6 1K or less, do not use 10K
R7 10K R8 10K R9 10K
RESET DTSM-6 RESET#
330 R4 Red PWR
P1.31/ADC5 330 R5 Green LED
FEZ Spider II
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