J7
PM254-2-04-W-8.5
J8
PM254-2-04-W-8.5
GND
R9 34R
R10 34R
R11 34R
R12 34R
R13 34R
R14 34R
R15 34R
R16 34R
IP4220CZ6,125
D4B
D4A
D4D
D4C
D3B
D3A
D3D
D3C
+5V
C15 1u
C16 100n
C17 100n
LED2
TC5050RGBF08-3CJH-AF53A
LED1
TC5050RGBF08-3CJH-AF53A
R17 1k
R18 1k
R19 1k
R20 1k
R21 1k
R22 1k
+3V3
C29 100n
C27 100n
S8050_C20069125
Q1 R28 47k
Q2 R27 47k
Q3 R26 47k
Q4 R25 47k
Q5 R24 47k
Q6 R23 47k
PB8 PB7 PB6 PB5 PB4 PB3 PA15 PA8
PF0 PF1 PG10 PA0 PA1 PA2 PA3
PA14 PA13 PA12 PA11 PA10 PA9
PA4 PA5 PA6 PA7 PB0
U1B
STM32G431KBU3
C28 100n
C30 100n
R5 100
R7 100
SWDIO
D2C IP4220CZ6,125
D2B IP4220CZ6,125
R6 100
R8 100
SWCLK
UART XCVR
Conn_01x03_Socket
J2
D1A IP4220CZ6,125
USB_P
USB_Data
USB_N
USB_Data
D1D IP4220CZ6,125
GND ID D+ D− VBUS
micro USBFemale
USB1
R1 100
R2 100
UART RX
D1C IP4220CZ6,125
D1B IP4220CZ6,125
R3 100
R4 100
UART_TX
J1
U2
XC6206P332MR
Vin Vout GND
C1 4.7u
C2 1u
C3 100n
C4 4.7u
C5 1u
C6 100n
FB1
FerriteBead
U1A
STM32G431KBU3
VDD VDDA VSS VSSA
3V3A
C7 1u
C8 100n
C9 1u
C10 100n
C12 100n
C11 1u
D4E IP4220CZ6,125
C14 100n
D3E IP4220CZ6,125
C13 100n
D2E IP4220CZ6,125
C31 100n
D1E IP4220CZ6,125
D2A IP4220CZ6,125
D2D IP4220CZ6,125
C20 68n 1206
R36 51
R37 51
C21 68n 1206
R29 47k
R30 47k
C22 100p
C23 100p
U5B
U5A
U5C
U5D
C19 100n
C18 1u
U5E
MCP6024T-I/ST
C25 100n
C26 100n
R33 51 1206
R32 51 1206
D5D
D5A
D5C
D5B
R34 51
R35 51
R38 10M
R39 10M
D5E IP4220CZ6,125
C24 100n
J4 SMA-KWE_C7498154
J3 SMA-KWE_C7498154
J5 SMA-KWE_C7498154
J6 SMA-KWE_C7498154

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Title: TwinDAQv1

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