

U4_MCU_PD-PF
STM32H743ZIT6

- 114 PD0/FSMC_D2/CAN1_RX/EVENTOUT
- 115 PD1/FSMC_D3/CAN1_TX/EVENTOUT
- 116 PD2/TIM3_ETR/UART5_RX/SDIO_CMD/DCMI_D11/EVENTOUT
- 117 PD3/FSMC_CLK/USART2_CTS/EVENTOUT
- 118 PD4/FSMC_NDE/USART2_RTS/EVENTOUT
- 119 PD5/FSMC_NAE/USART2_TX/EVENTOUT
- 122 PD6/FSMC_NARIT/USART2_RX/EVENTOUT
- 123 PD7/USART2_CK/FSMC_NE1/FSMC_NCE2/EVENTOUT
- 77 PD8/FSMC_D13/USART3_TX/EVENTOUT
- 78 PD9/FSMC_D14/USART3_RX/EVENTOUT
- 79 PD10/FSMC_D15/USART3_CK/EVENTOUT
- 80 PD11/FSMC_CLE/FSMC_A16/USART3_CTS/EVENTOUT
- 81 PD12/FSMC_ALE/FSMC_A17/TIM4_CH1/USART3_RTS/EVENTOUT
- 92 PD13/FSMC_A18/TIM4_CH2/EVENTOUT
- 85 PD14/FSMC_D0/TIM4_CH3/EVENTOUT
- 86 PD15/FSMC_D1/TIM4_CH4/EVENTOUT
- 141 PE0/TIM4_ETR/FSMC_NBL0/DCMI_D2/EVENTOUT
- 142 PE1/FSMC_NBL1/DM1_D3/EVENTOUT
- 1 PE2/TRACELCK/FSMC_A23/ETH_MII_TXD3/EVENTOUT
- 2 PE3/TRACED0/FSMC_A19/EVENTOUT
- 3 PE4/TRACED1/FSMC_A20/DCMI_D4/EVENTOUT
- 4 PE5/TRACED2/FSMC_A21/TIM9_CH1/DCMI_D6/EVENTOUT
- 5 PE6/TRACED3/FSMC_A22/TIM9_CH2/DCMI_D7/EVENTOUT
- 58 PE7/FSMC_D4/TIM1_ETR/EVENTOUT
- 59 PE8/FSMC_D5/TIM1_CH1N/EVENTOUT
- 60 PE9/FSMC_D6/TIM1_CH1/EVENTOUT
- 61 PE10/FSMC_D7/TIM1_CH2N/EVENTOUT
- 62 PE11/FSMC_D8/TIM1_CH2/EVENTOUT
- 63 PE12/FSMC_D9/TIM1_CH3N/EVENTOUT
- 64 PE13/FSMC_D10/TIM1_CH3/EVENTOUT
- 65 PE14/FSMC_D11/TIM1_CH4/EVENTOUT
- 66 PE15/FSMC_D12/TIM1_BKIN/EVENTOUT
- 56 PG0/FSMC_A10/EVENTOUT
- 57 PG1/FSMC_A11/EVENTOUT
- 87 PG2/FSMC_A12/EVENTOUT
- 88 PG3/FSMC_A13/EVENTOUT
- 89 PG4/FSMC_A14/EVENTOUT
- 90 PG5/FSMC_A15/EVENTOUT
- 91 PG6/FSMC_INT2/EVENTOUT
- 92 PG7/FSMC_INT3/USART6_CK/EVENTOUT
- 93 PG8/USART6_RTS/ETH_PPS_OUT/EVENTOUT
- 124 PG9/USART6_RX/FSMC_NE2/FSMC_NCE3/EVENTOUT
- 125 PG10/FSMC_NCE4_1/FSMC_NE3/EVENTOUT
- 126 PG11/FSMC_NCE4_2/ETH_MII_TX_EN/ETH_RMII_TX_EN/EVENTOUT
- 127 PG12/FSMC_NE4/USART6_RTS/EVENTOUT
- 128 PG13/FSMC_A24/USART6_CTS/ETH_MII_TXD0/ETH_RMII_TXD0/EVENTOUT
- 129 PG14/FSMC_A25/USART6_TX/ETH_MII_TXD1/ETH_RMII_TXD1/EVENTOUT
- 132 PG15/USART6_CTS/DCMI_D13/EVENTOUT
- 10 PF0/FSMC_A0/I2C2_SDA/EVENTOUT
- 11 PF1/FSMC_A1/I2C2_SCL/EVENTOUT
- 12 PF2/FSMC_A2/I2C2_SMB/EVENTOUT
- 13 PF3/FSMC_A3/EVENTOUT/ADC3_IN9
- 14 PF4/FSMC_A4/EVENTOUT/ADC3_IN14
- 15 PF5/FSMC_A5/EVENTOUT/ADC3_IN15
- 18 PF6/TIM10_CH1/FSMC_NIORD/EVENTOUT/ADC3_IN4
- 19 PF7/TIM11_CH1/FSMC_NREG/EVENTOUT/ADC3_IN5
- 20 PF8/TIM13_CH1/FSMC_NIORD/EVENTOUT/ADC3_IN6
- 21 PF9/TIM14_CH1/FSMC_CD/EVENTOUT/ADC3_IN7
- 22 PF10/FSMC_INT0/EVENTOUT/ADC3_IN8
- 49 PF11/DCMI_12/EVENTOUT
- 50 PF12/FSMC_A6/EVENTOUT
- 53 PF13/FSMC_A7/EVENTOUT
- 54 PF14/FSMC_A8/EVENTOUT
- 55 PF15/FSMC_A9/EVENTOUT

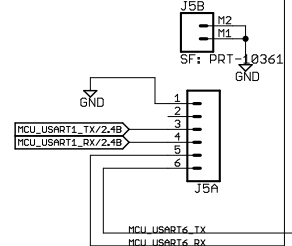
- LCD_RESET/4.5B
- LCD_DC/6.5B
- LCD_LED/6.5C
- TOUCH_SCK/6.5C
- TOUCH_DOUT/6.5C
- TOUCH_DIN/6.5C
- TOUCH_IRQ/6.5C

MCU_USART6_RX

SD_CS/6.5C

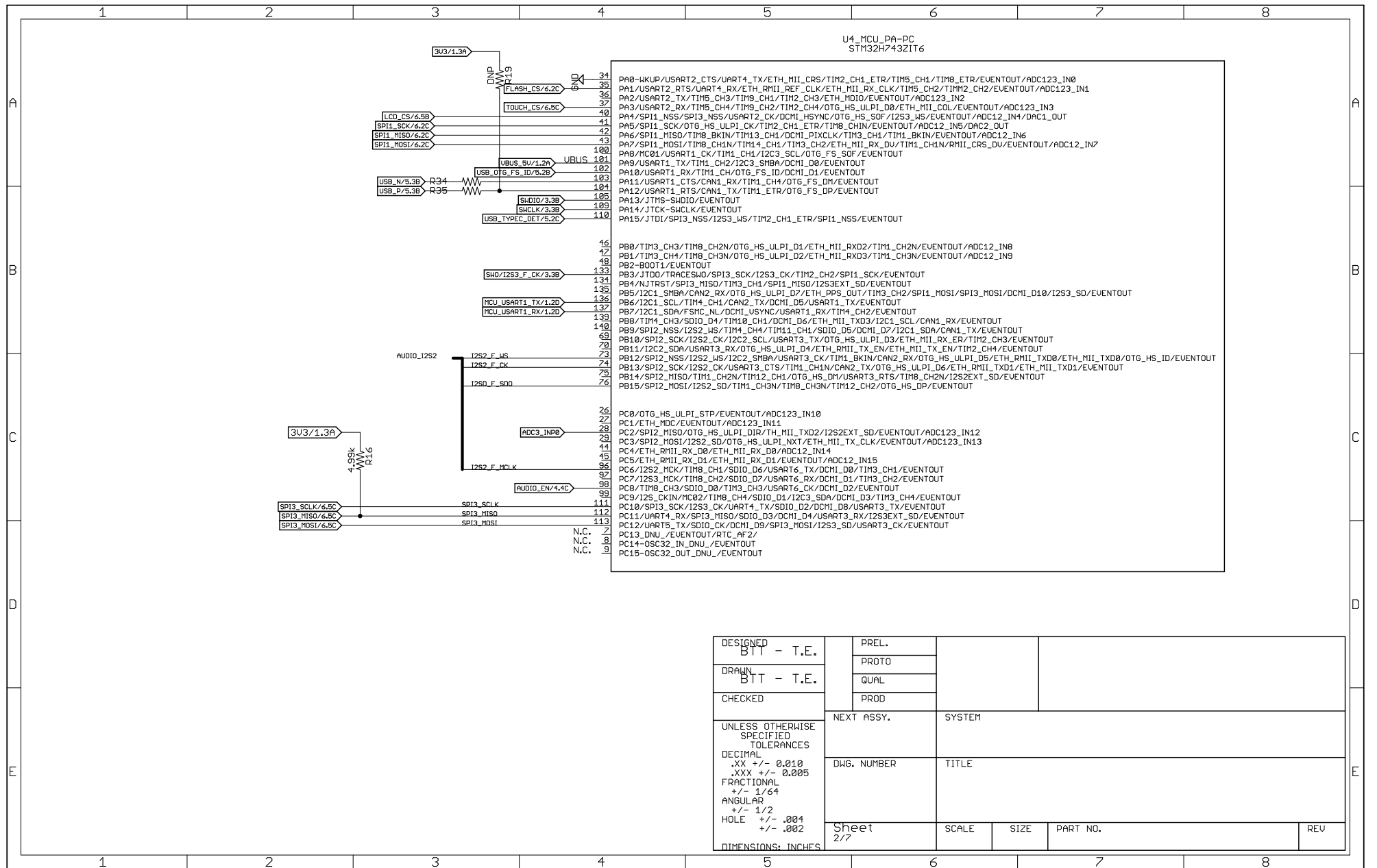
MCU_USART6_TX

UART Debug Port



SF: PRT-10361
SparkFun Part# PRT-10361
Connector + Cable Assembly

DESIGNED BTI - T.E.	PREL.				
DRAWN BTI - T.E.	PROTO				
CHECKED	QUAL				
	PROD				
UNLESS OTHERWISE SPECIFIED TOLERANCES	NEXT ASSY.	SYSTEM			
DECIMAL .XX +/- 0.010 .XXX +/- 0.005 FRACTIONAL +/- 1/64 ANGULAR +/- 1/2 HOLE +/- .004 +/- .002	DWG. NUMBER	TITLE			
DIMENSIONS: INCHES	Sheet 1/7	SCALE	SIZE	PART NO.	REV

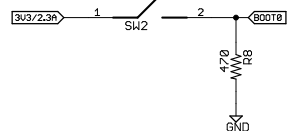


DESIGNED BIT - T.E.	PREL.				
DRAWN BIT - T.E.	PROTO				
	QUAL				
CHECKED	PROD				
UNLESS OTHERWISE SPECIFIED TOLERANCES DECIMAL .XX +/- 0.010 .XXX +/- 0.005 FRACTIONAL +/- 1/64 ANGULAR +/- 1/2 HOLE +/- .004 +/- .002		NEXT ASSY.	SYSTEM		
		DWG. NUMBER	TITLE		
DIMENSIONS: INCHES		Sheet 2/7	SCALE	SIZE	PART NO.
					REV

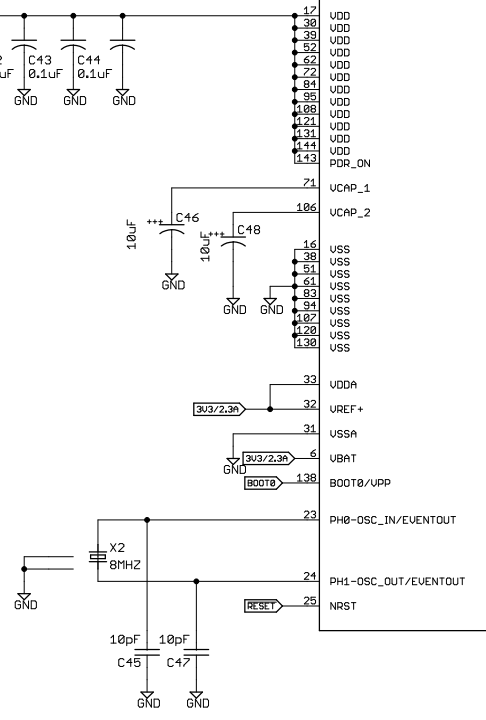
ST-Link Programming Port
SparkFun Part# PRT-10361
Connector + Cable Assembly



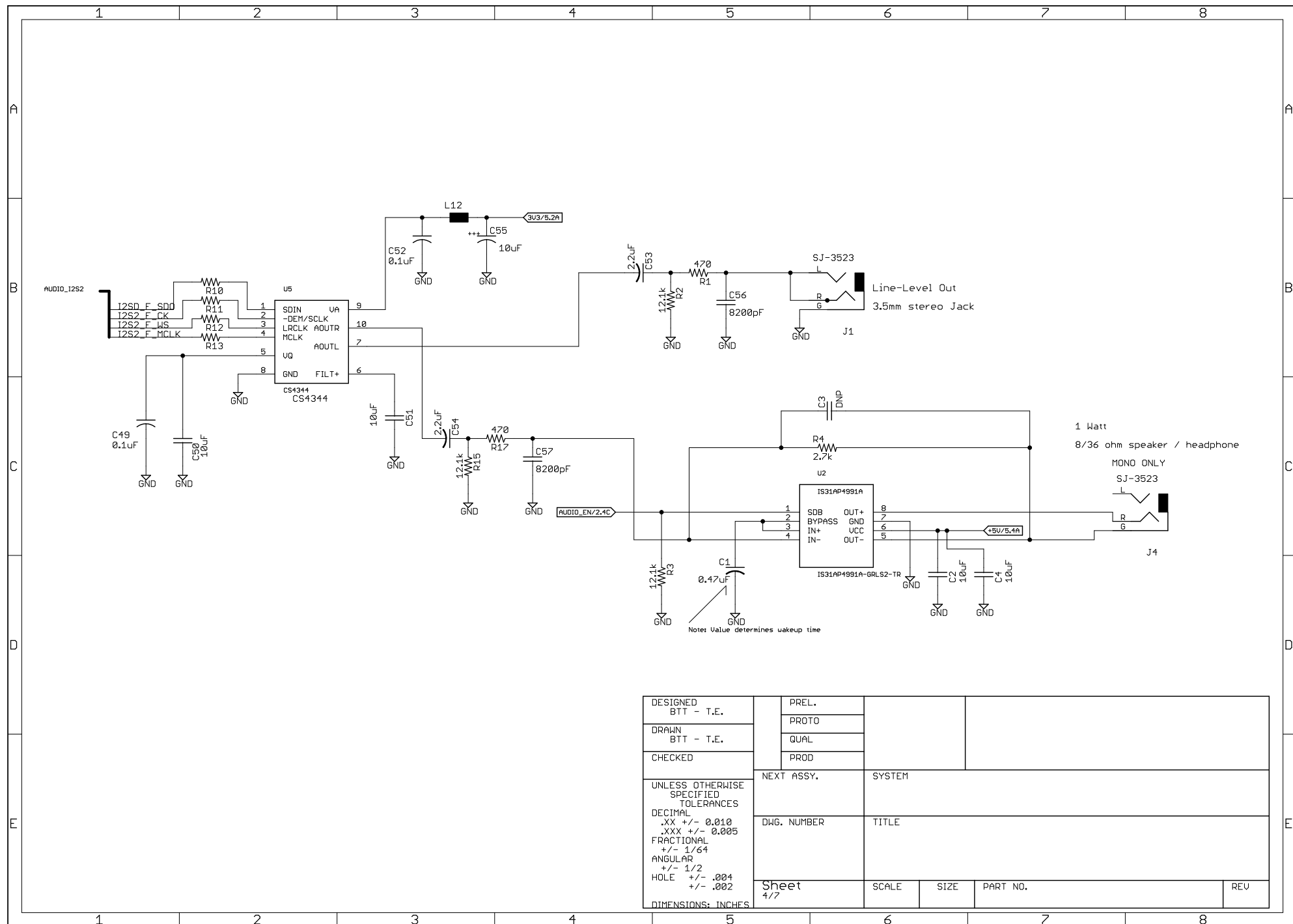
DFU Program Enable
Closed = Program



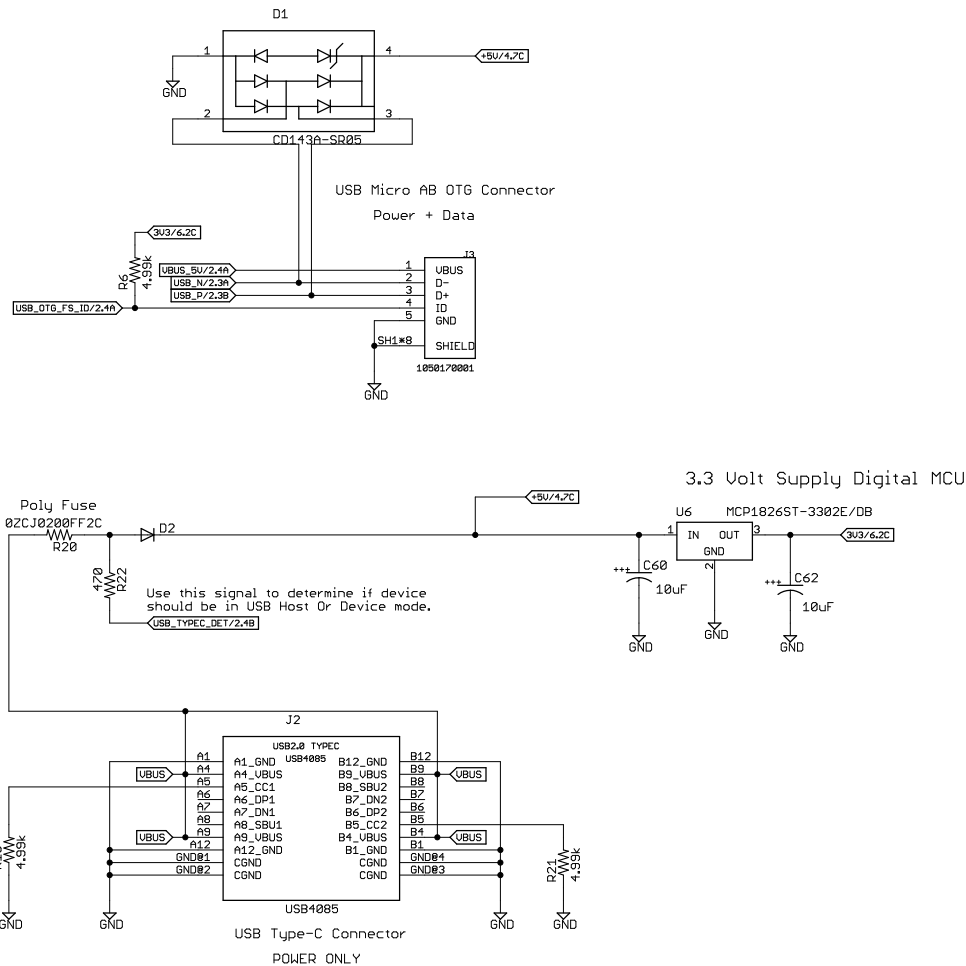
U4_MCU_PWR
STM32H743ZIT6



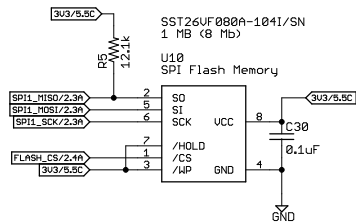
DESIGNED BTI - T.E.	PREL.				
DRAWN BTI - T.E.	PROTO				
CHECKED	QUAL				
	PROD				
UNLESS OTHERWISE SPECIFIED TOLERANCES DECIMAL .XX +/- 0.010 .XXX +/- 0.005 FRACTIONAL +/- 1/64 ANGULAR +/- 1/2 HOLE +/- .004 +/- .002 DIMENSIONS: INCHES	NEXT ASSY.	SYSTEM			
	DWG. NUMBER	TITLE			
	Sheet 3/7	SCALE	SIZE	PART NO.	REV



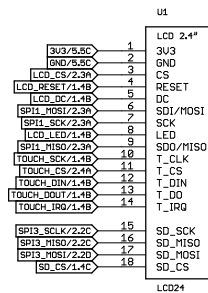
DESIGNED BTT - T.E.	PREL.				
DRAWN BTT - T.E.	PROTO				
CHECKED	QUAL				
UNLESS OTHERWISE SPECIFIED TOLERANCES DECIMAL .XX +/- 0.010 .XXX +/- 0.005 FRACTIONAL +/- 1/64 ANGULAR +/- 1/2 HOLE +/- .004 +/- .002 DIMENSIONS: INCHES	PROD				
	NEXT ASSY.	SYSTEM			
	DWG. NUMBER	TITLE			
	Sheet 4/7	SCALE	SIZE	PART NO.	REV



DESIGNED BIT - T.E.	PREL.		
DRAWN BIT - T.E.	PROTO		
CHECKED	QUAL		
	PROD		
UNLESS OTHERWISE SPECIFIED TOLERANCES DECIMAL .XX +/- 0.010 .XXX +/- 0.005 FRACTIONAL +/- 1/64 ANGULAR +/- 1/2 HOLE +/- .004 +/- .002	NEXT ASSY.	SYSTEM	
	DWG. NUMBER	TITLE	
	Sheet 5/7	SCALE	SIZE
		PART NO.	REV
DIMENSIONS: INCHES			



SKU: MSP2402



2.4" 240x320 SPI TFT LCD Serial Port Module+5U/3.3V
PBC Adapter Micro SD ILI9341 White LED (with touch)

DESIGNED BIT - T.E.	PREL.		
DRAWN BIT - T.E.	PROTO		
CHECKED	QUAL		
	PROD		
UNLESS OTHERWISE SPECIFIED TOLERANCES DECIMAL .XX +/- 0.010 .XXX +/- 0.005 FRACTIONAL +/- 1/64 ANGULAR +/- 1/2 HOLE +/- .004 +/- .002	NEXT ASSY.	SYSTEM	
	DWG. NUMBER	TITLE	
	Sheet 6/7	SCALE	SIZE
		PART NO.	REV
DIMENSIONS: INCHES			