## **ZLS MCU Test Board**

MB1364

[No Variations]

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Sheet 7: ST-LINK V3E SWD

U\_mb1364\_Top mb1364\_Top.SchDoc

## Legend

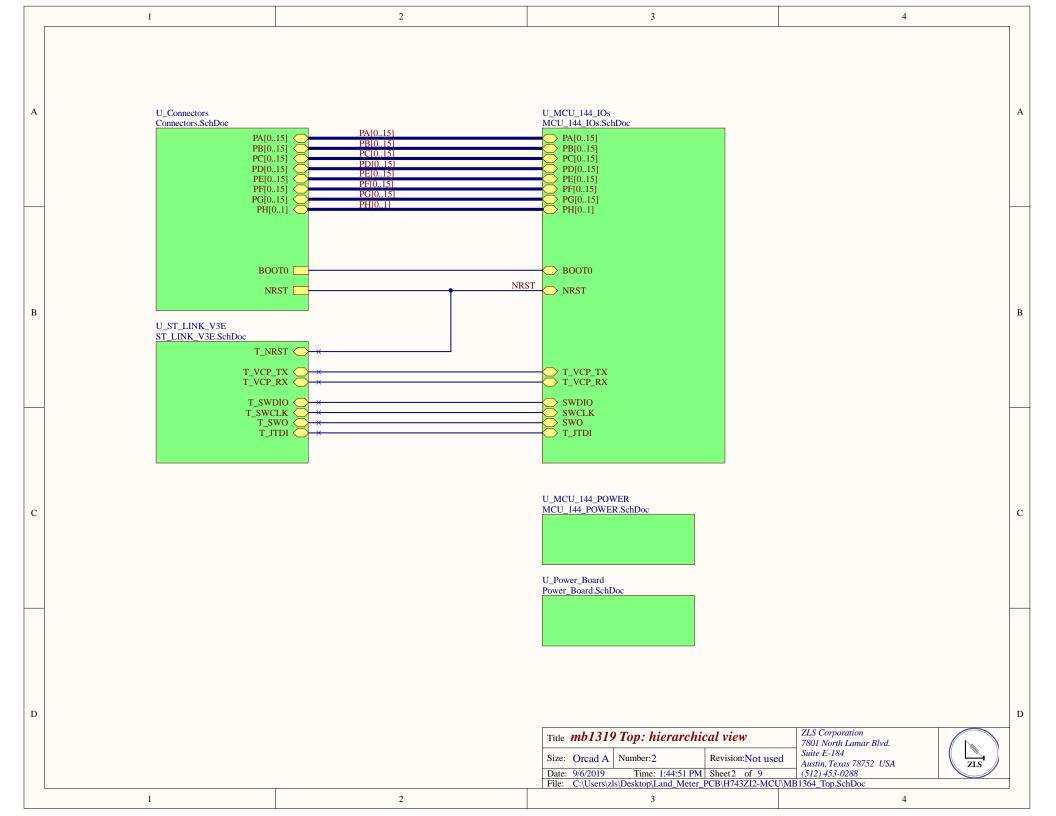
General comment such as function title, configuration, ...

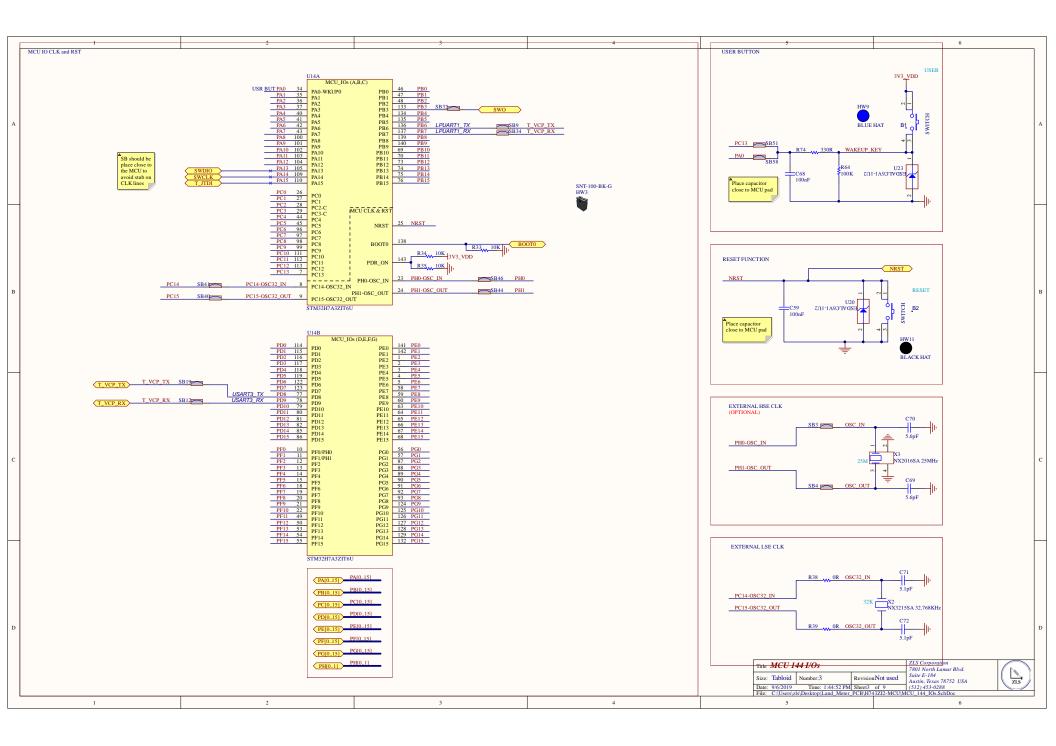
Text to be added to silkscreen.

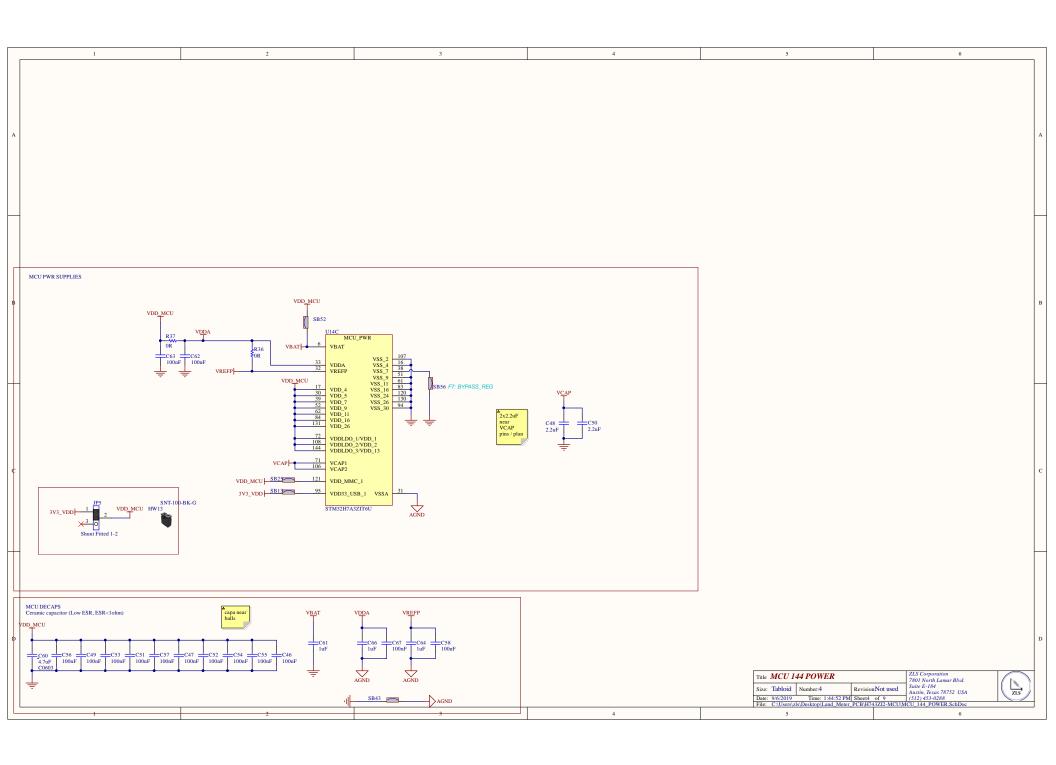
Warning text.

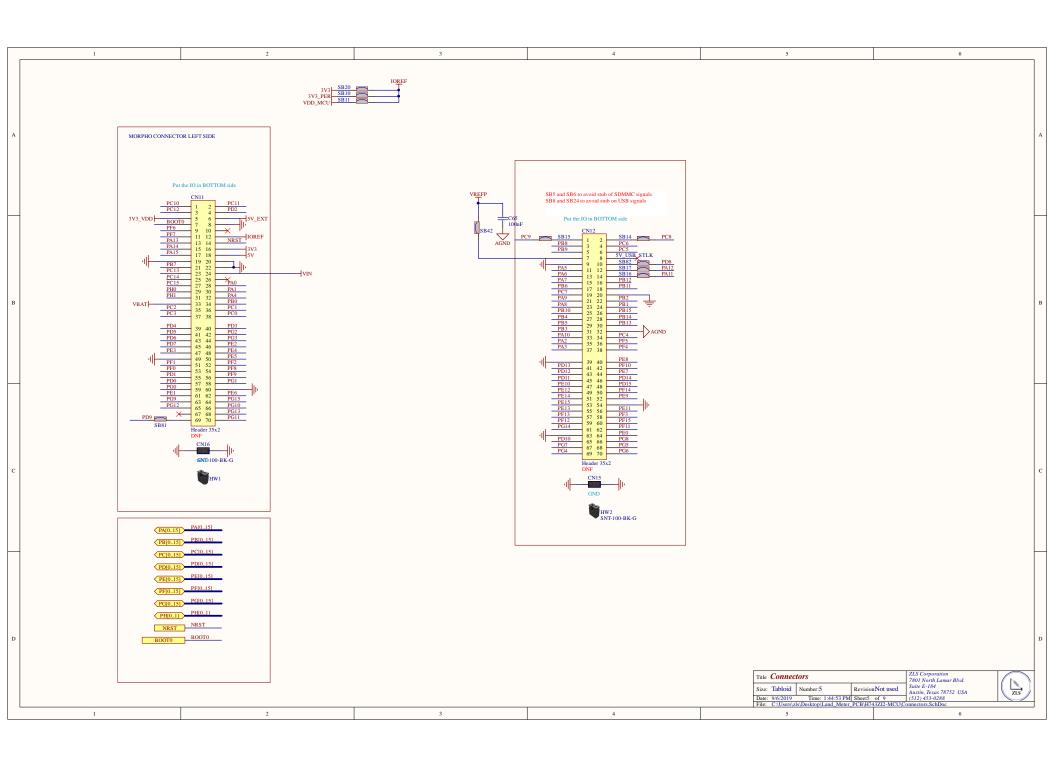
Notes to generate the board layout.

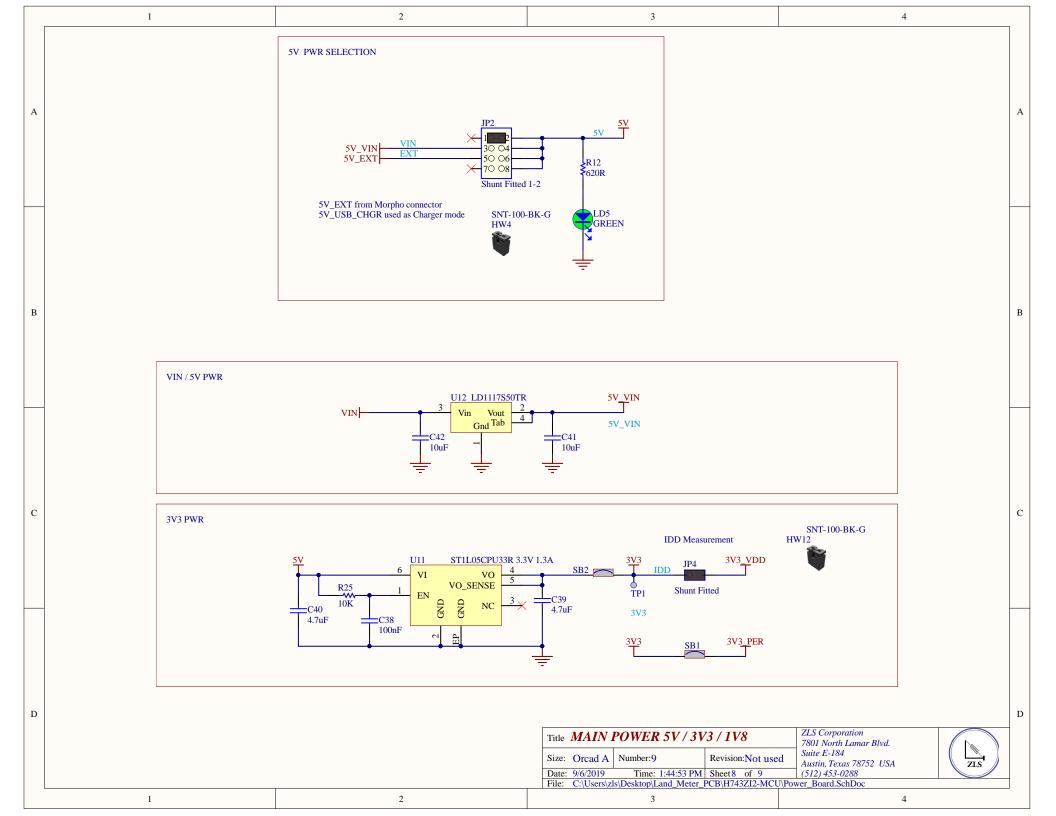
Title: Project				
Project: ZLS				
Variant: [No				
Revision: A-01		Reference: MB1364	110	
Size: A4	Date: 7-SEP-2019	Sheet: 1 of 9	life.auamer	

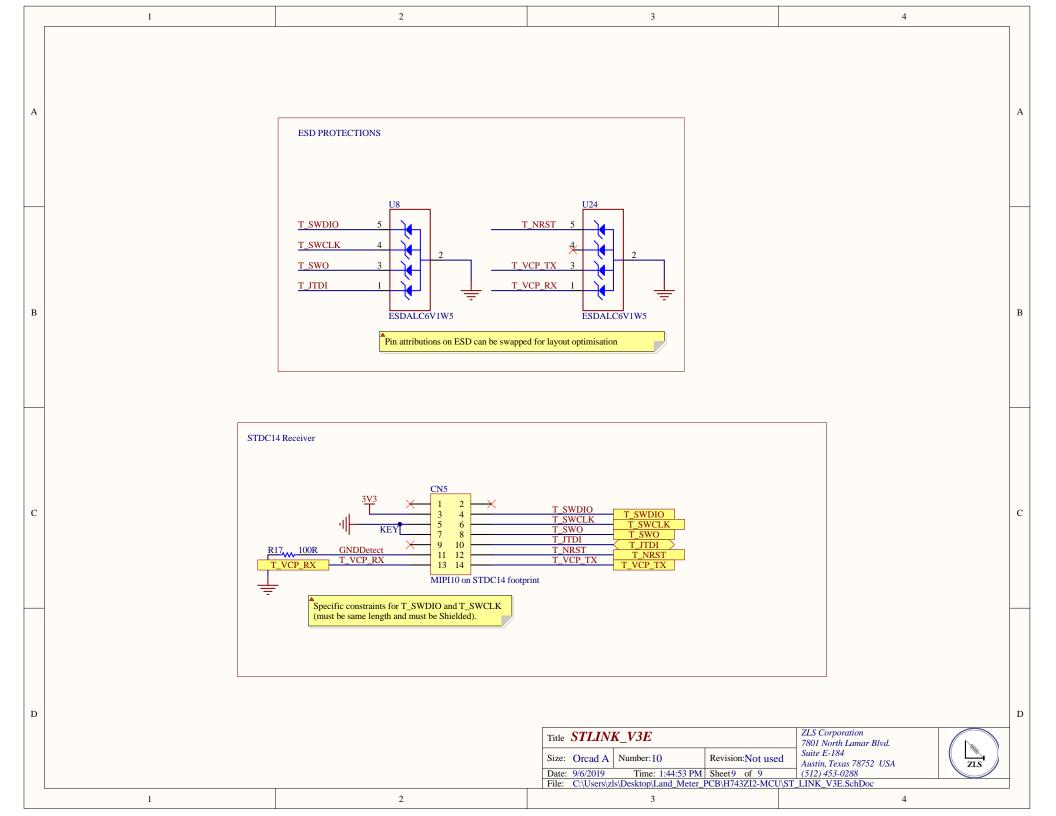












Comment	Description	Designator	Quantity	Manufacturer	Manufacturer Part Number
	<del></del>				
SW-PUSH-CMS	Non-Open Push-Button				TD-0341
SW-PUSH-CMS	Non-Open Push-Button	B2	1	WEALTHMETAL	TD-0341
Capacitor	Capacitor, MLCC, 100	C38, C46, C47, C49, (	19	YAGEO, MURATA	CC0402KRX7R7BB104, NRND_GRM155R71A104KA01, CC0402BRNPO9BN5R6, CC0402CRNPO9BN5R1
Capacitor	Capacitor, MLCC, 4.7	C39, C40, C48, C50, (	11	MURATA, YAGEO	GRM188R61A475ME15, GRM188R61C475KE11, CC0603KRX5R6BB225, CC0603KRX5R5BB104, CC0603KRX5R5BB105
Capacitor	Capacitor, MLCC, 10uf	C41, C42	2	YAGEO	CC0805KRX5R8BB106
Header 7x2	Header 5x2, 1.27mm,	CN5	1	SAMTEC	FTSH-105-01-L-DV-K
Header 35x2	Header, 35x2, 2,54mm	CN11, CN12	2	SAMTEC	TSW-135-07-x-D
Jumper_Header 2x1	Header, 2x1, 2,54mm,	CN15, CN16	2	SAMTEC	TSW-102-09-x-S
Shunt Black 2.54mm	SHUNT 2.54mm BLACK	HW1, HW2, HW3, HW	6	SAMTEC	SNT-100-BK-G
BUTTON_HAT_BLUE	Blue Hat for switch TI	HW9	1	JIUBABA	988.16.09.3.00002_SH-517
BUTTON_HAT_BLACK	Black Hat for switch T	HW11	1	JIUBABA	988.16.09.3.00003_SH-517
Jumper_Header 4x2 Fitted 1-2	Header, 4x2, 2,54mm,	JP2	1	SAMTEC	TSW-104-07-x-D
Jumper_Header 2x1 Fitted	Header, 2x1, 2,54mm,	JP4	1	SAMTEC	TSW-102-07-x-S
Jumper_Header 3x1 Fitted 1-2	Header, 3x1, 2,54mm,	JP5	1	SAMTEC	TSW-103-07-F-S
LED_green	LED Green, 0603 SMD,	LD5	1	OSRAM OPTO SEM	LG Q396-PS-35
Resistor	Resistor,620R,060	R12, R33, R34, R35, I	10	YAGEO	RC0603FR-07620RL, RC0603FR-0710KL, RC0603JR-070RL, RC0603FR-07100KL, RC0603FR-07330RL
Resistor	Resistor,100R,0402,	R17, R25	2	YAGEO	R C 0402FR-07100RL, RC0402FR-0710KL
SB_ON	Solder Bridge ON	SB1, SB2, SB3, SB4,	28	YAGEO	RC0603JR-070RL
SB_ON	Solder Bridge 0402 ON	SB81, SB82	2	YAGEO	RC0402JR-070RL
ESDALC6V1W5	Dual Transil array for	U8, U24	2	STMICROELECTRO	ESDALC6V1W5
ST1L05CPU33R	LDO, 3.3V, 1.3A, Very	U11	1	STMICROELECTRO	ST1L05CPU33R

NX3215SA 32.768KHz EXS00A-MU00525

NX2016SA 25MHz EXS00A-CS11321

1 STMICROELECTRO LD1117S50TR

1 NDK

1 NDK

1 STMICROELECTRO STM32H7A3ZIT6U

2 STMICROELECTRO ESDALC6V1-1U2

IC REG LDO 5V 0.8A S U12

STM32H7A3ZIT6U, LQ U14

Crystal 32.768kHz, 6p X2

Crystal 25MHz, 6pF, +X3

U20, U23

ESD protection 6V1

LD1117S50TR

XTAL\_2\_PINS

XTAL\_4\_PINS

STM32H7A3ZIT6 ESD-TRANSIL