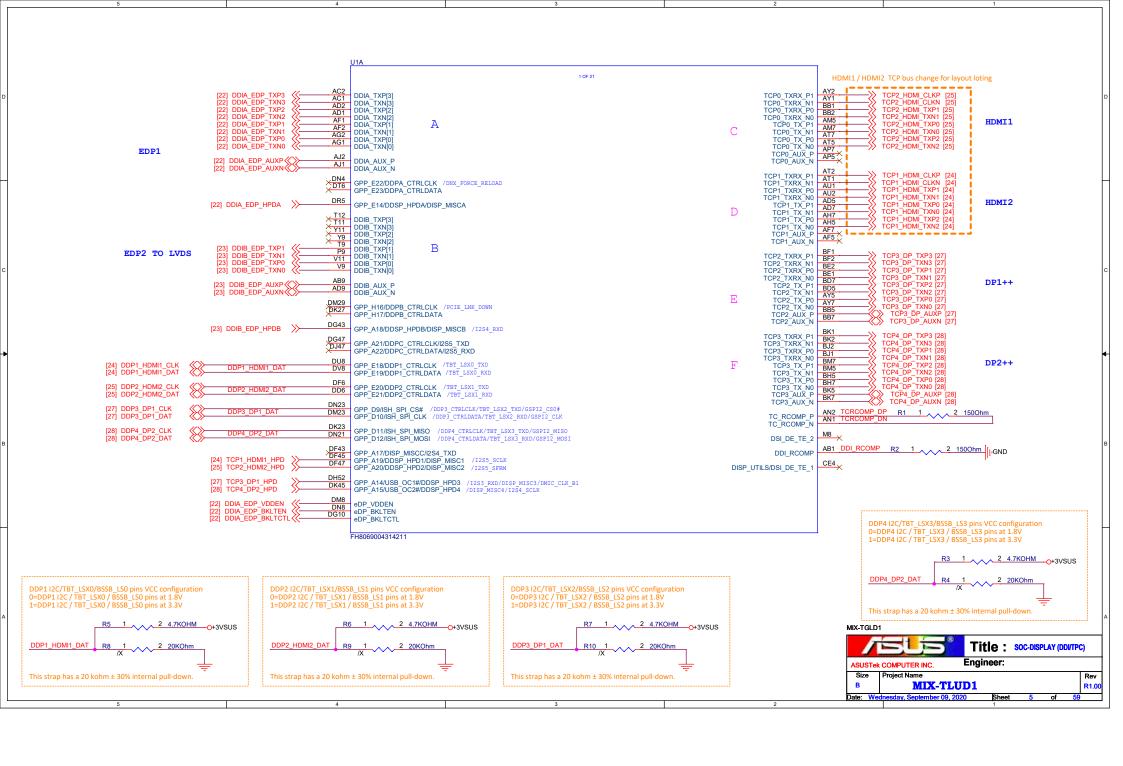
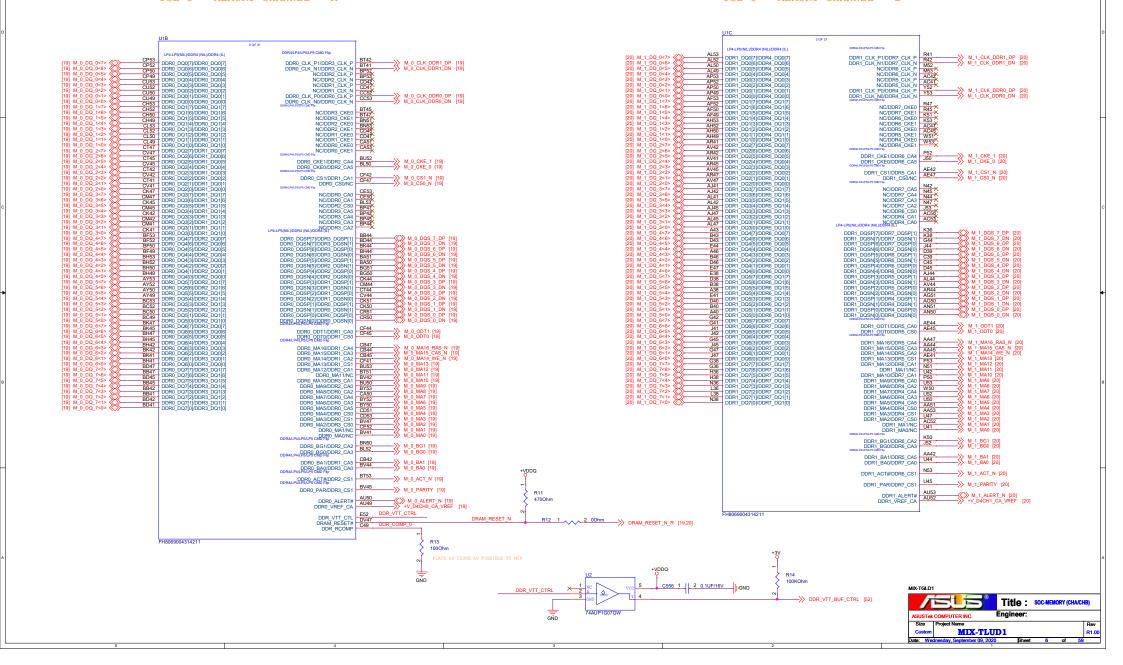
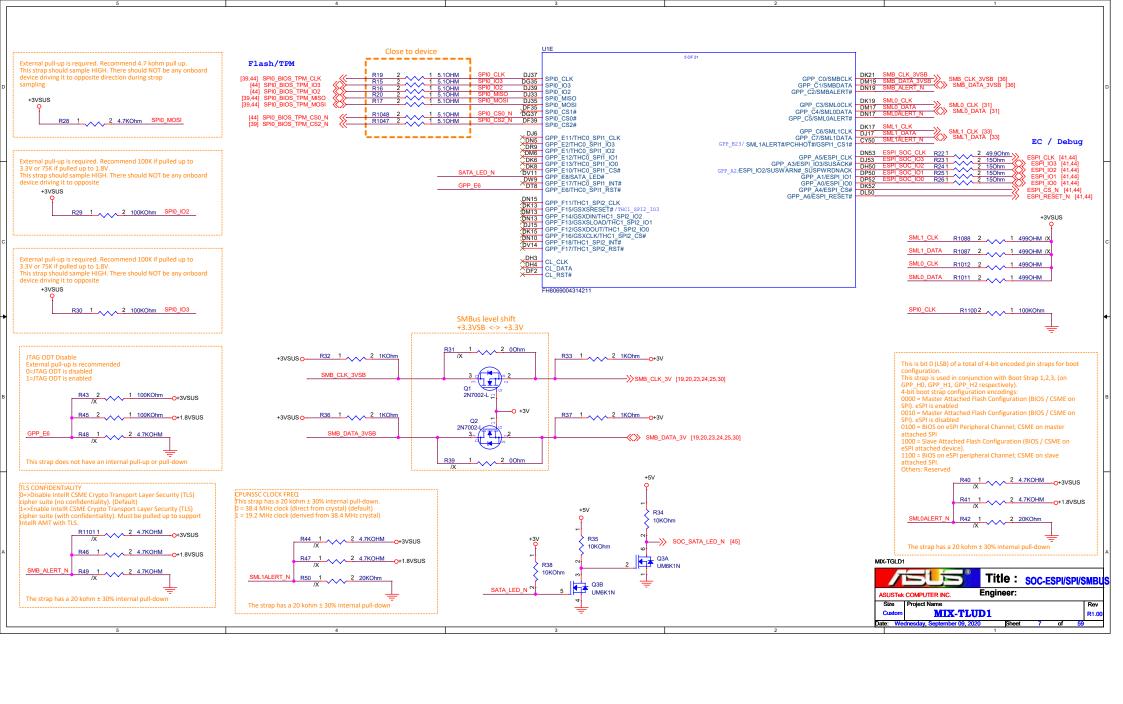
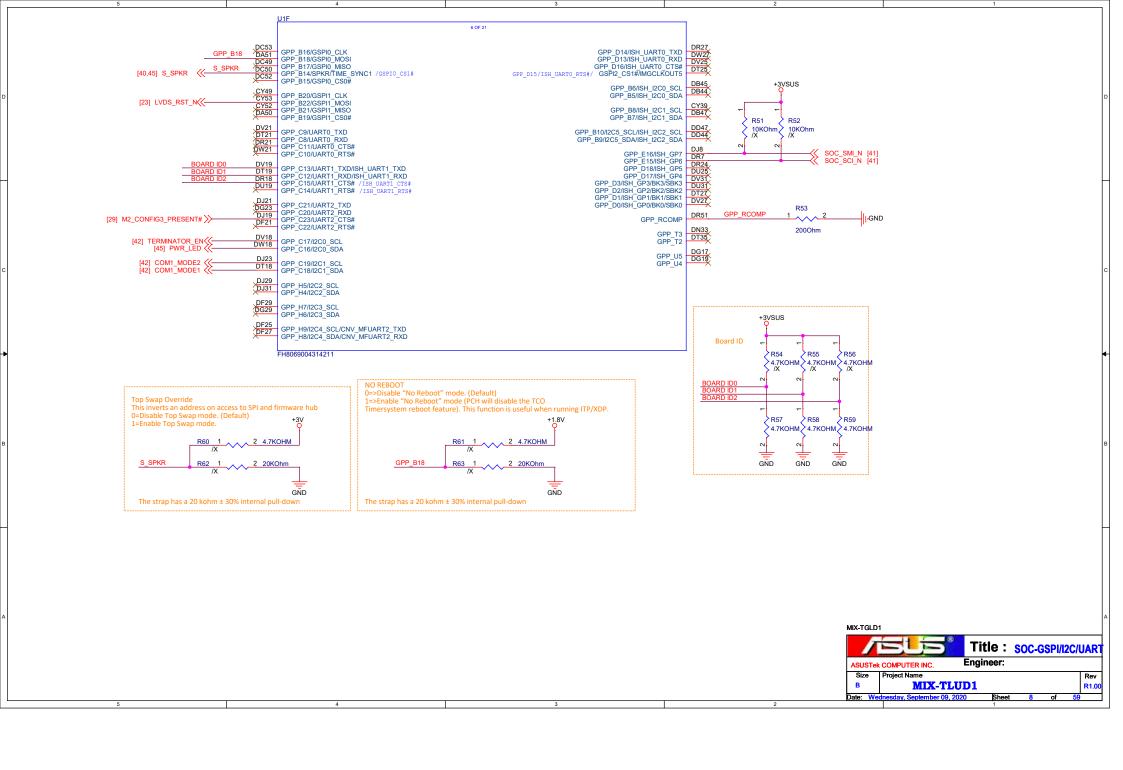


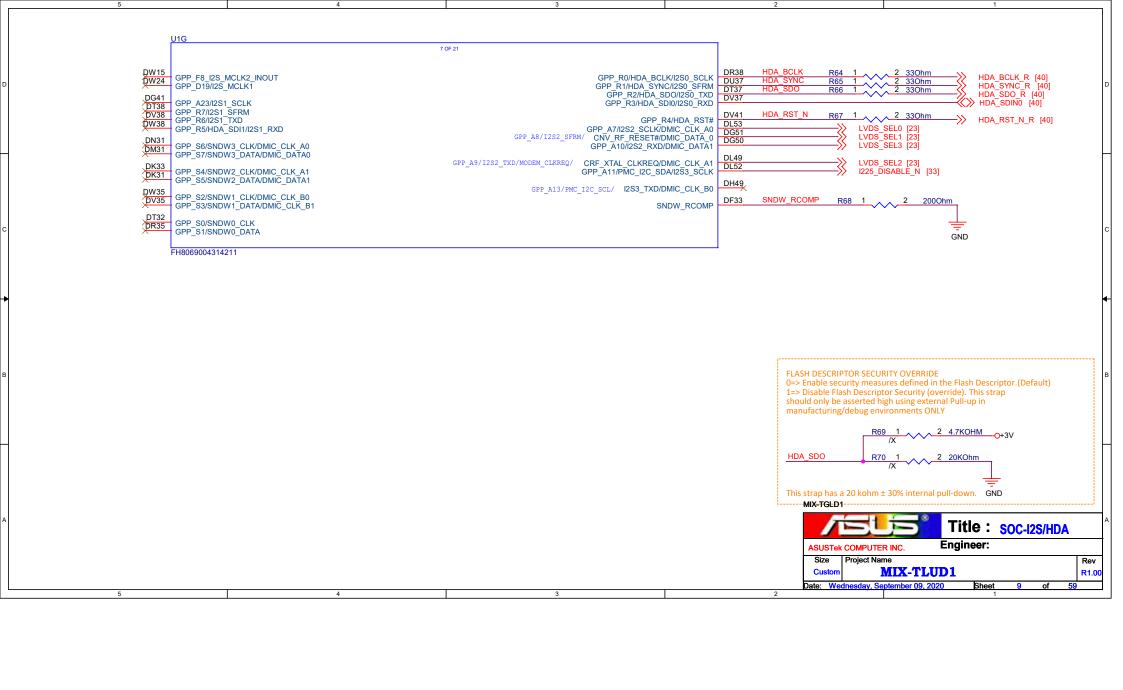
MIX-TGLD1 Title: CLK DISTRIBUTION Engineer: <OrgAddr1> ASUSTek COMPUTER INC. Project Name **A3** MIX-TLUD1

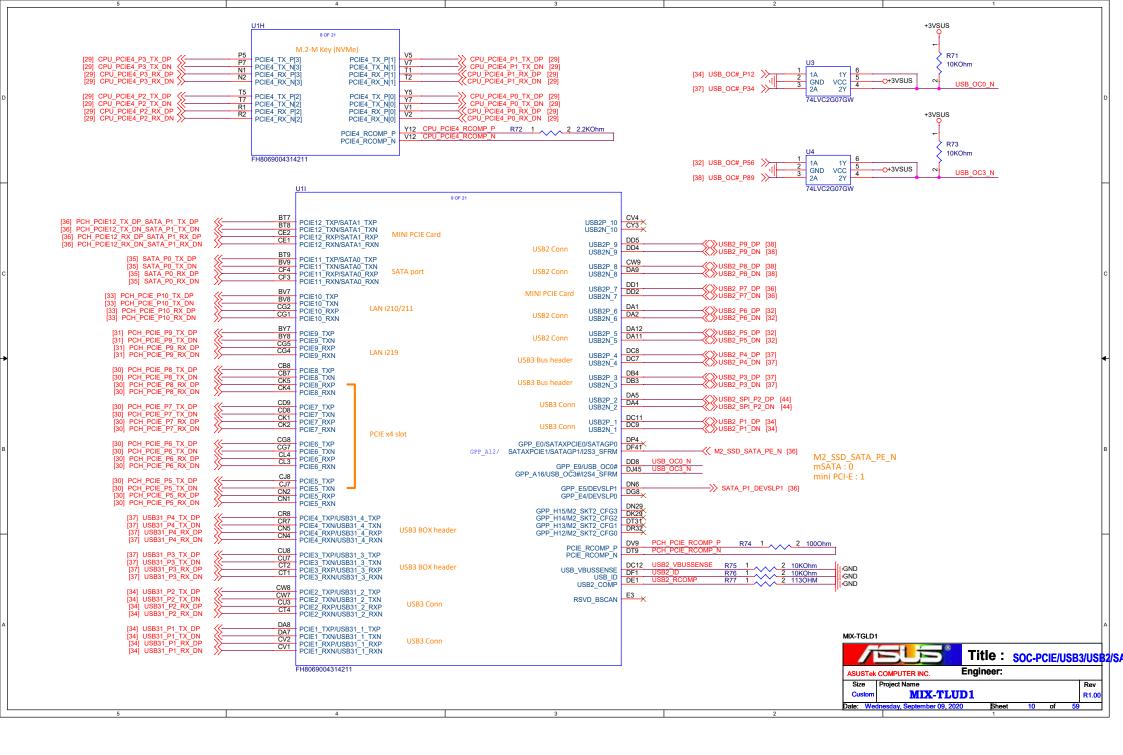


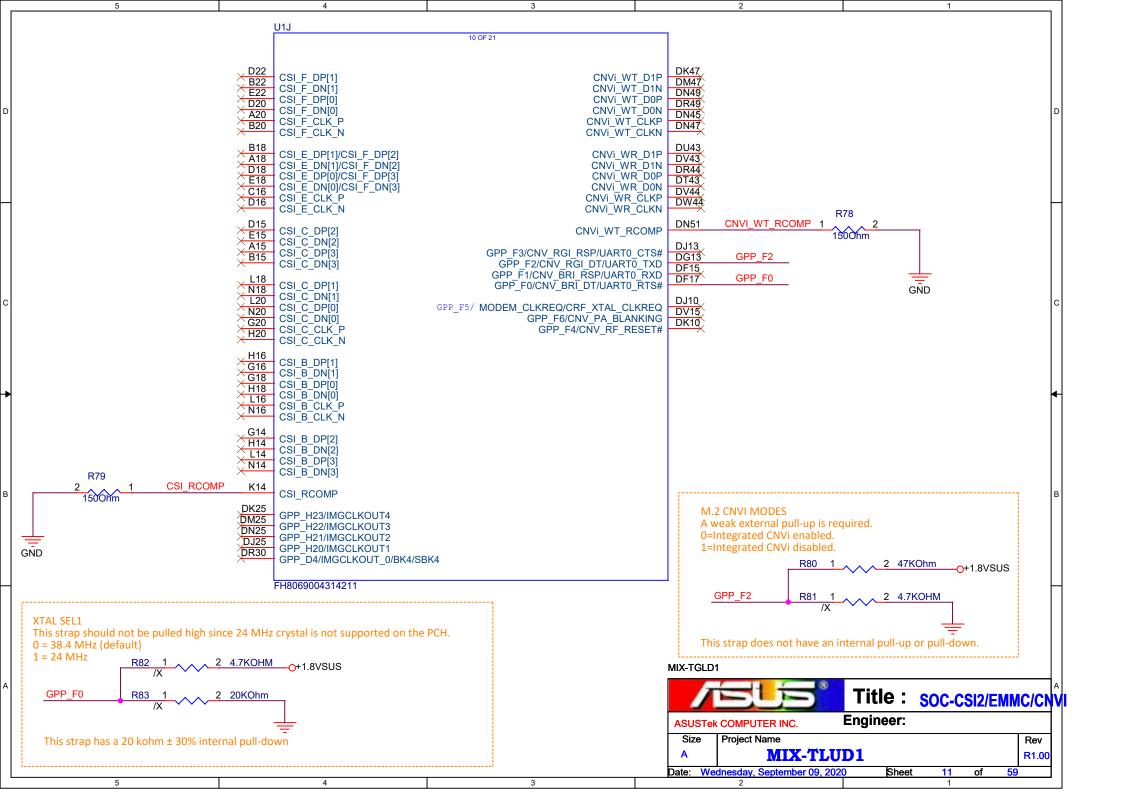


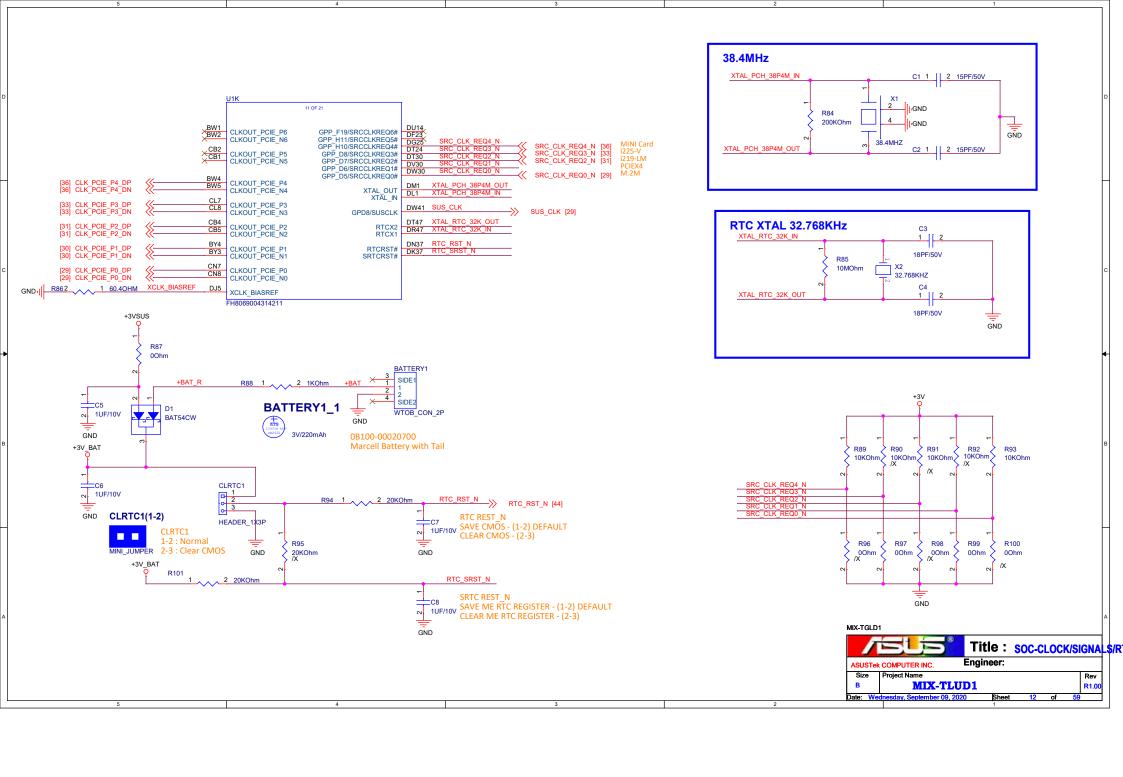


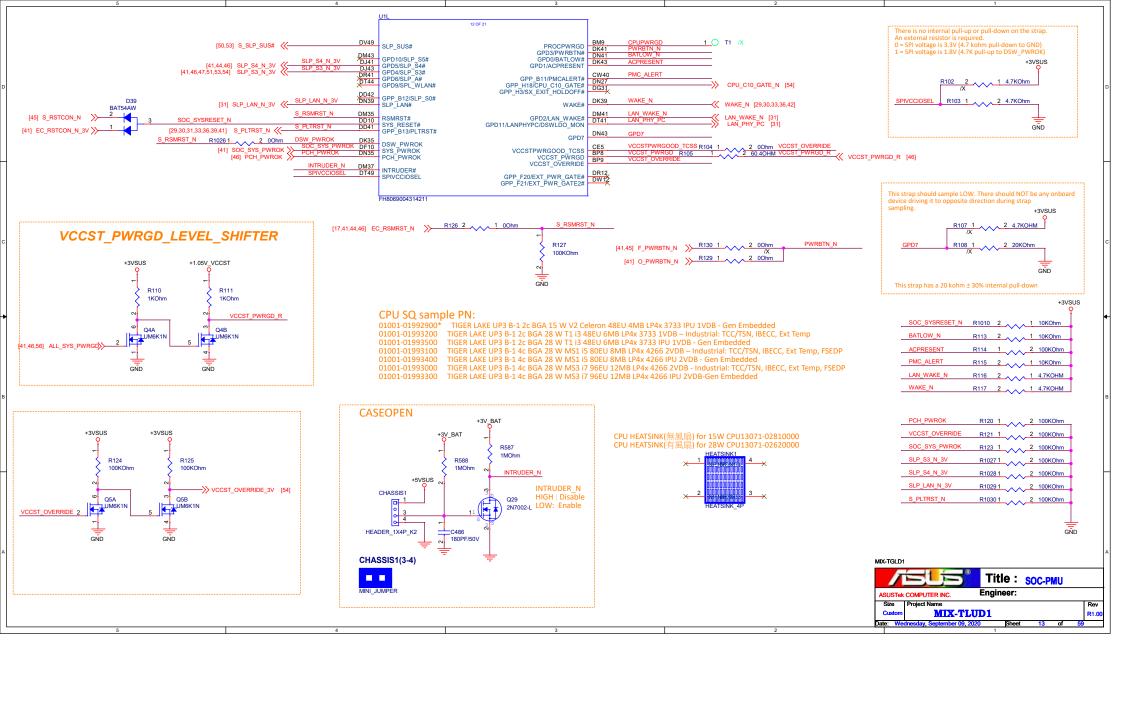


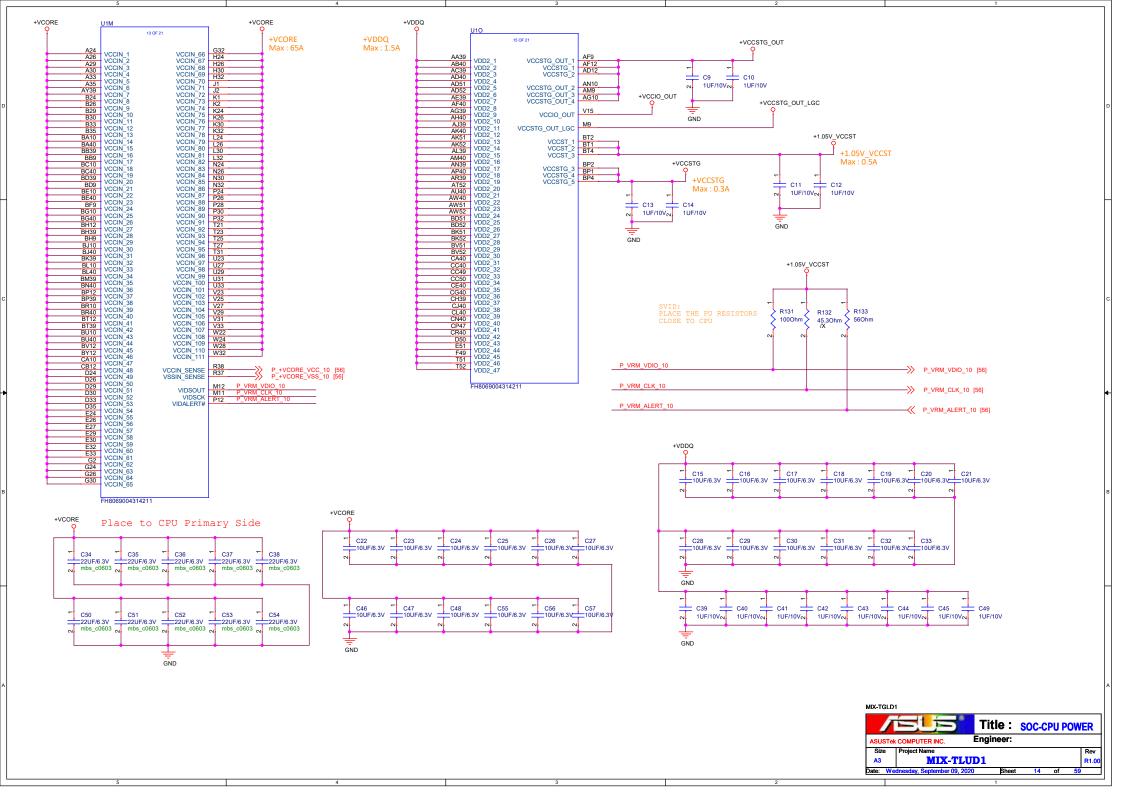


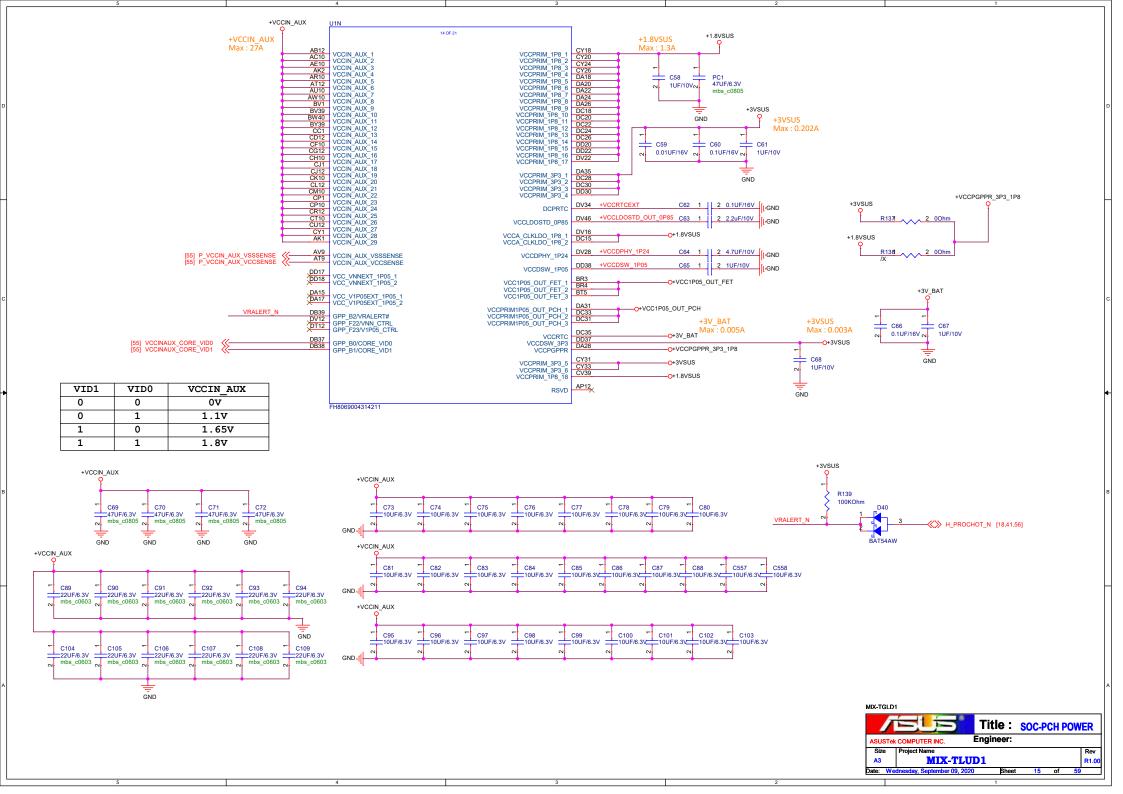


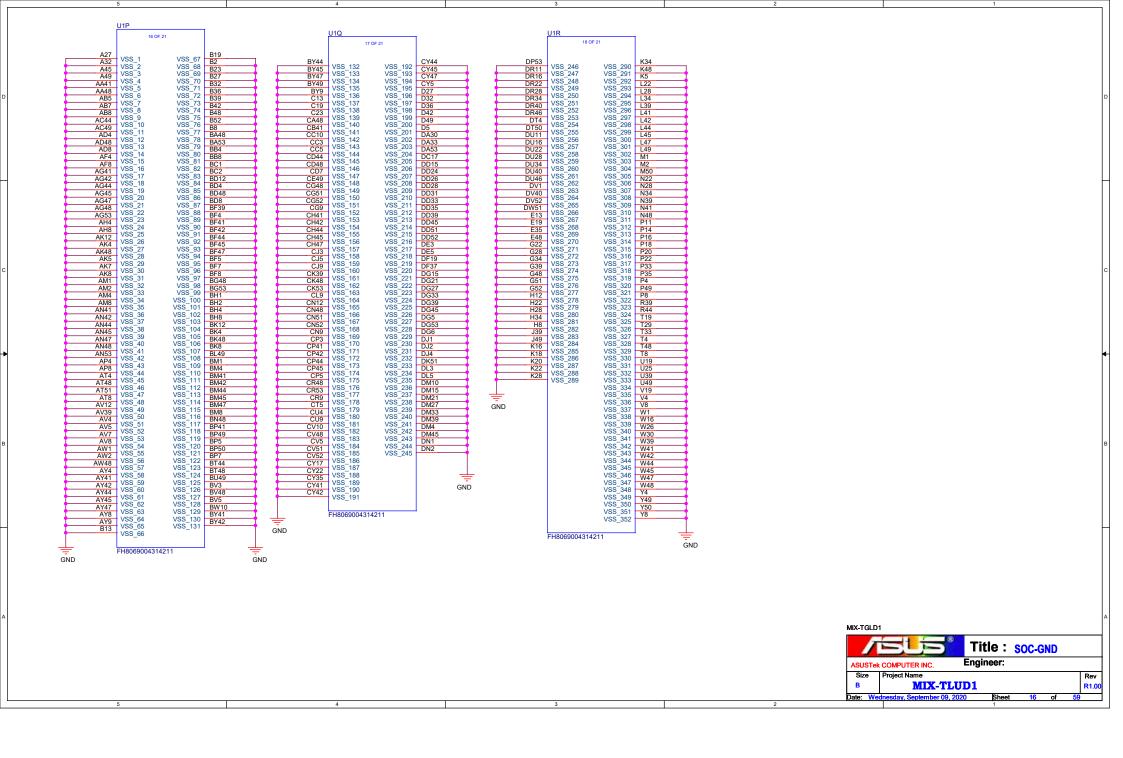


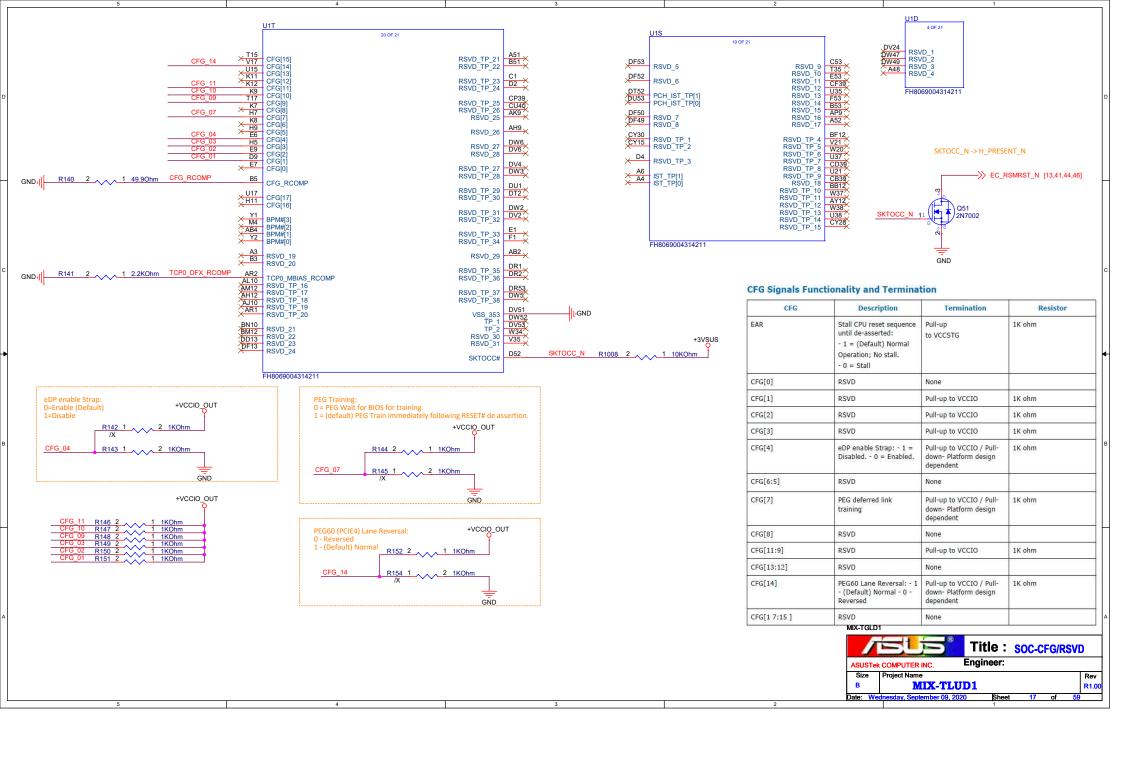


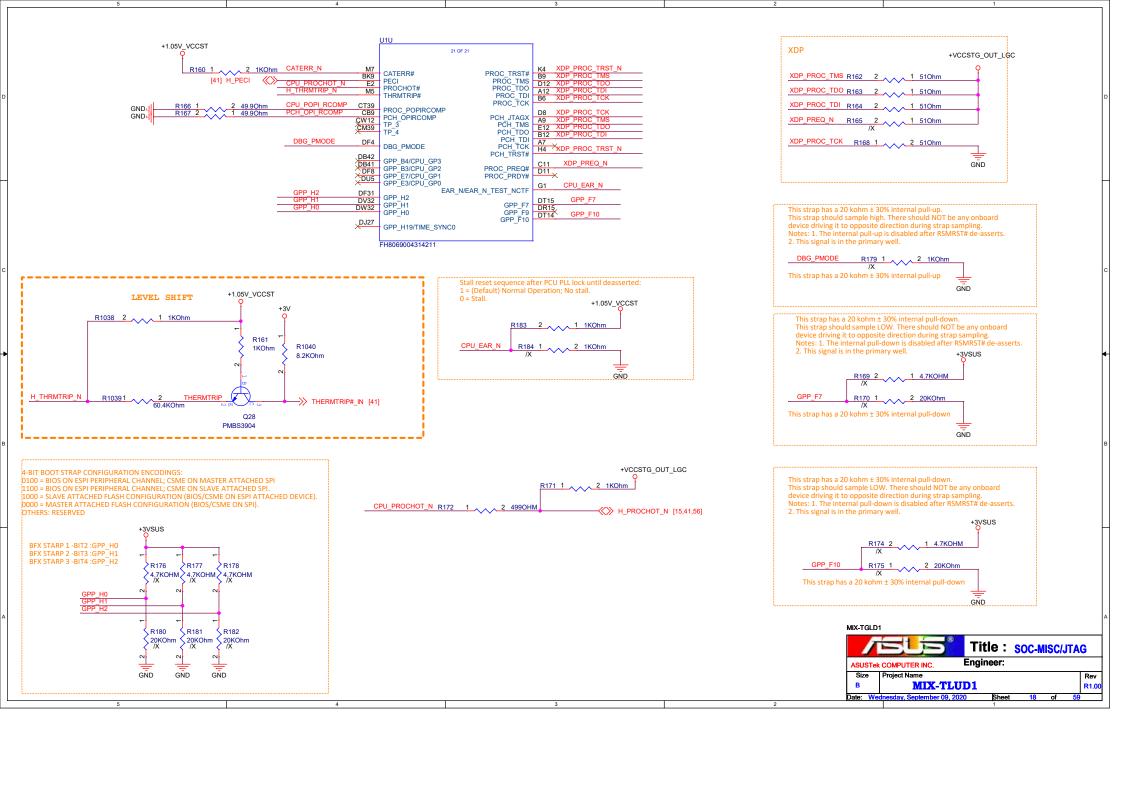


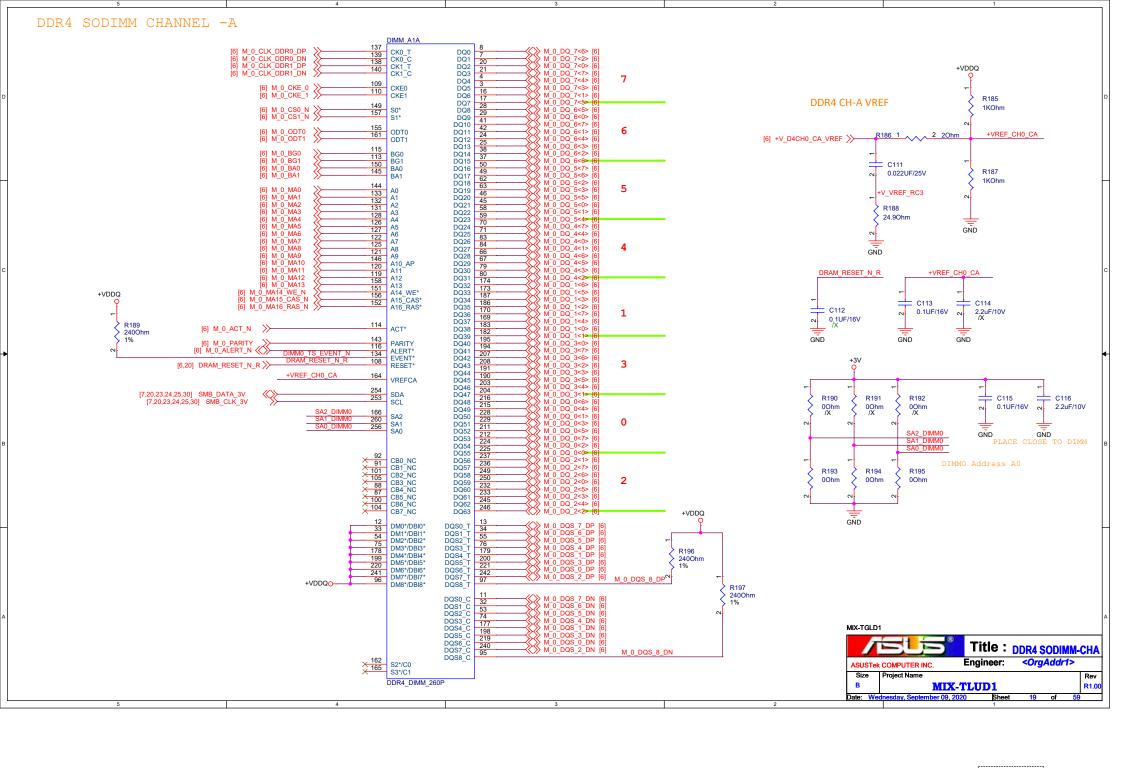


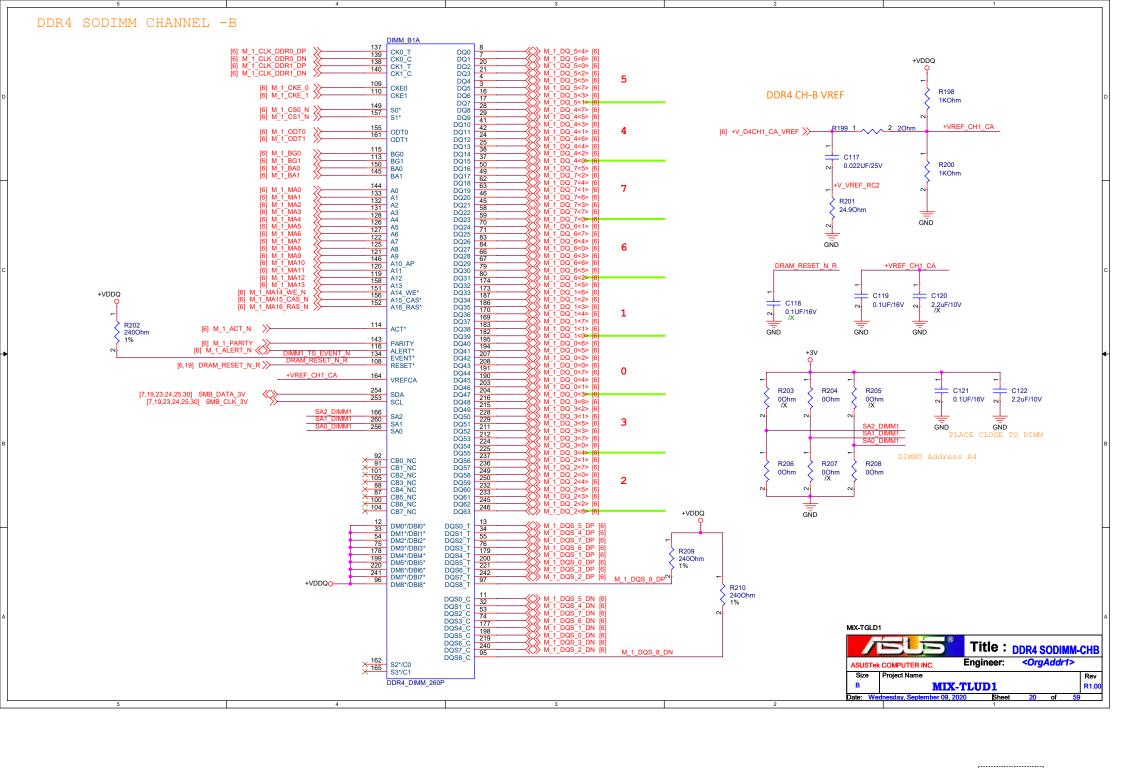


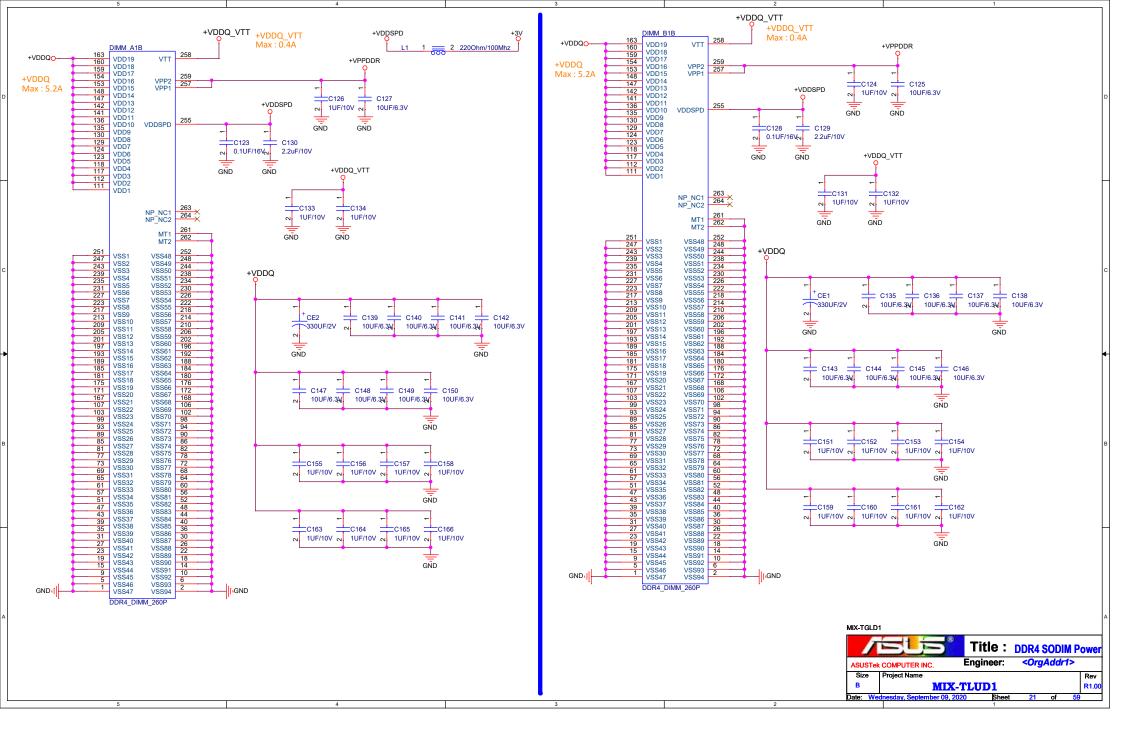


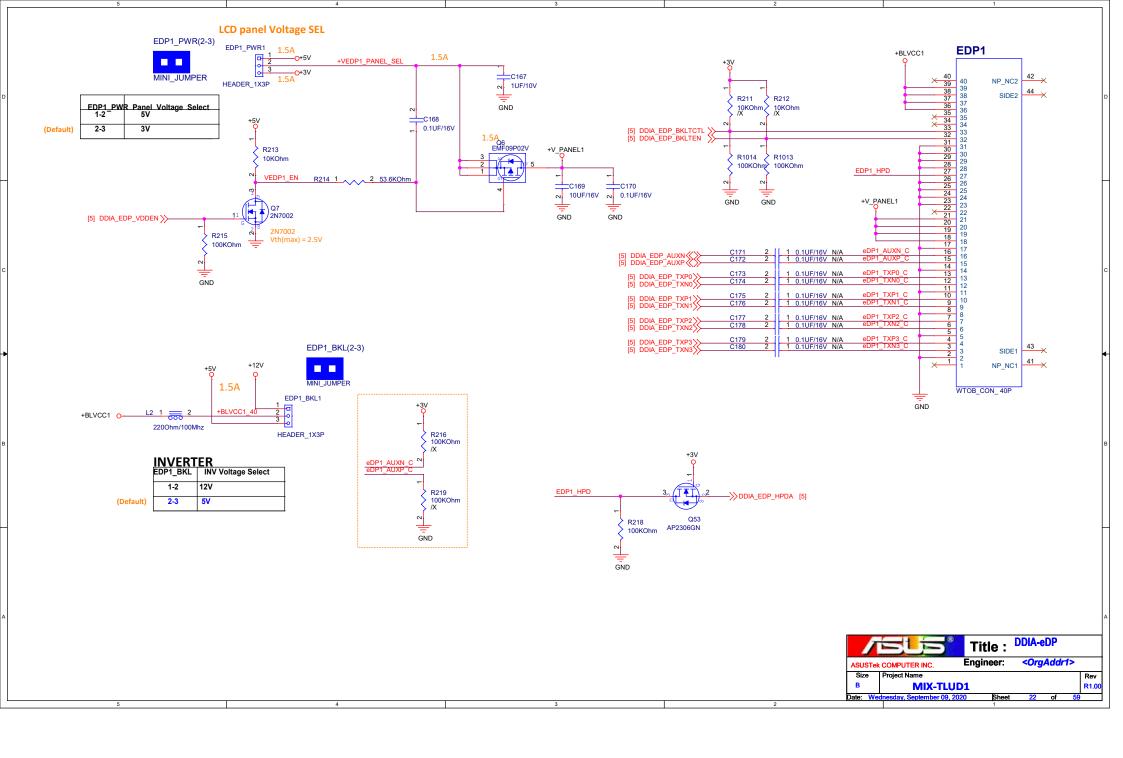


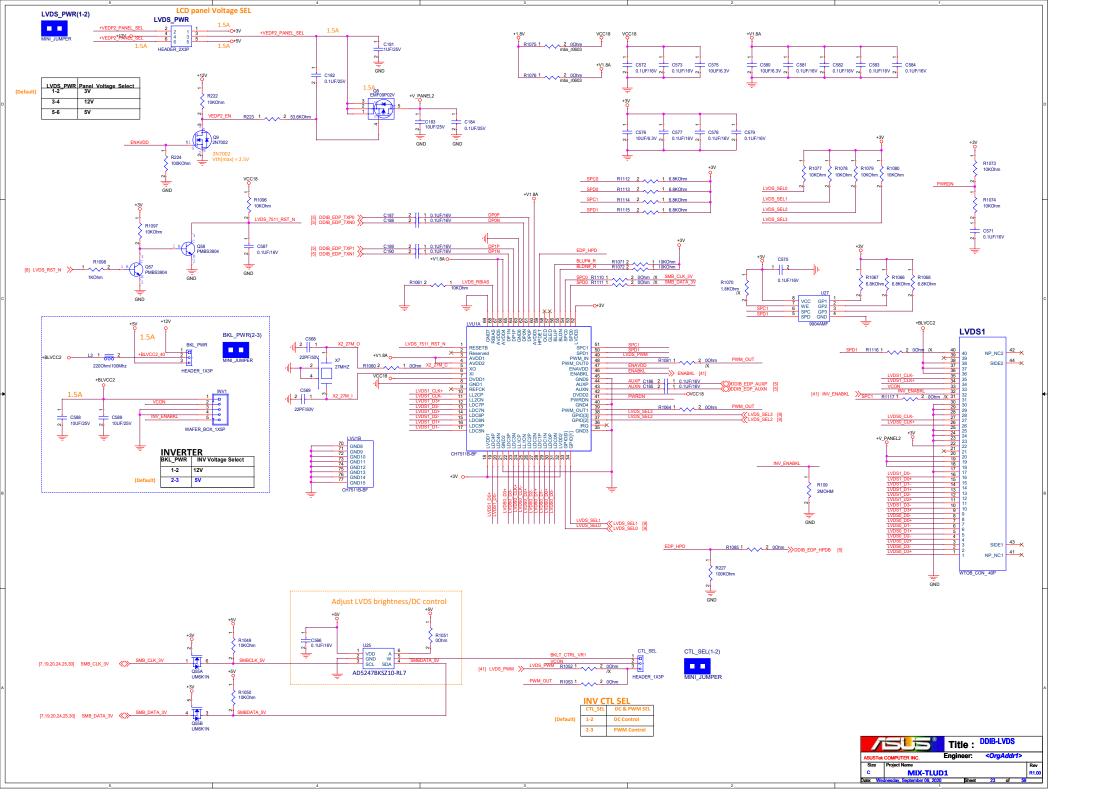


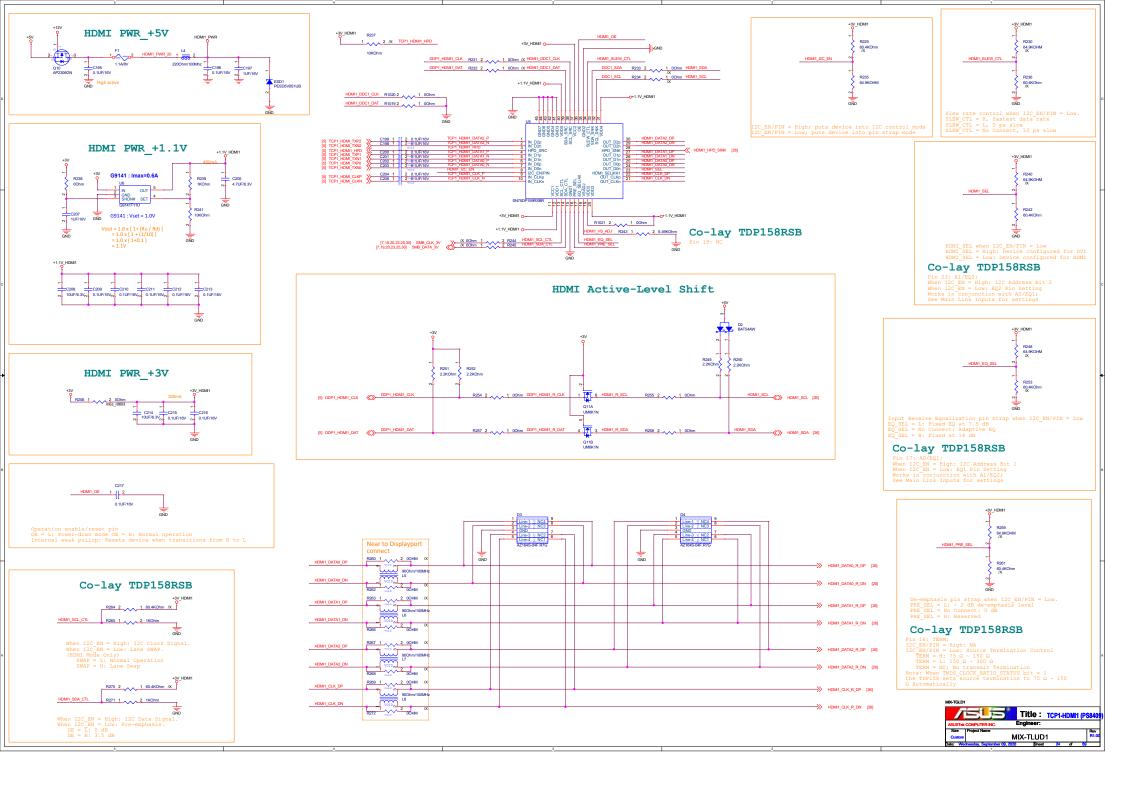


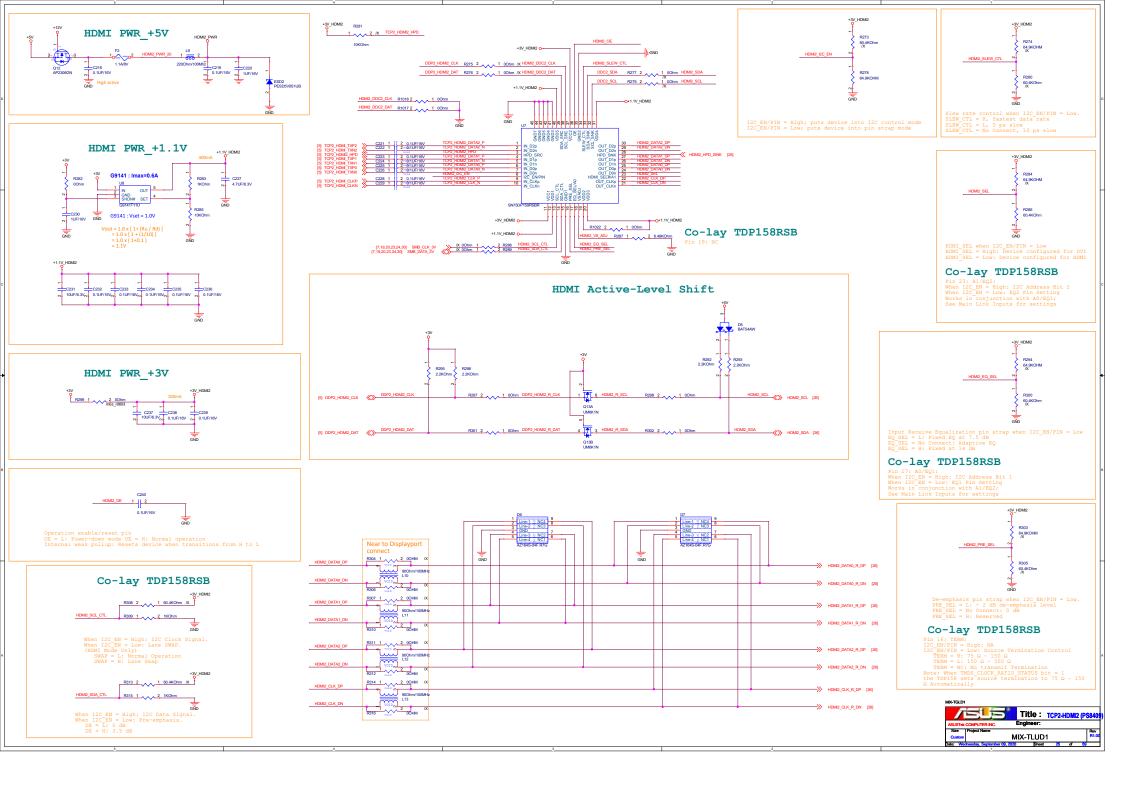


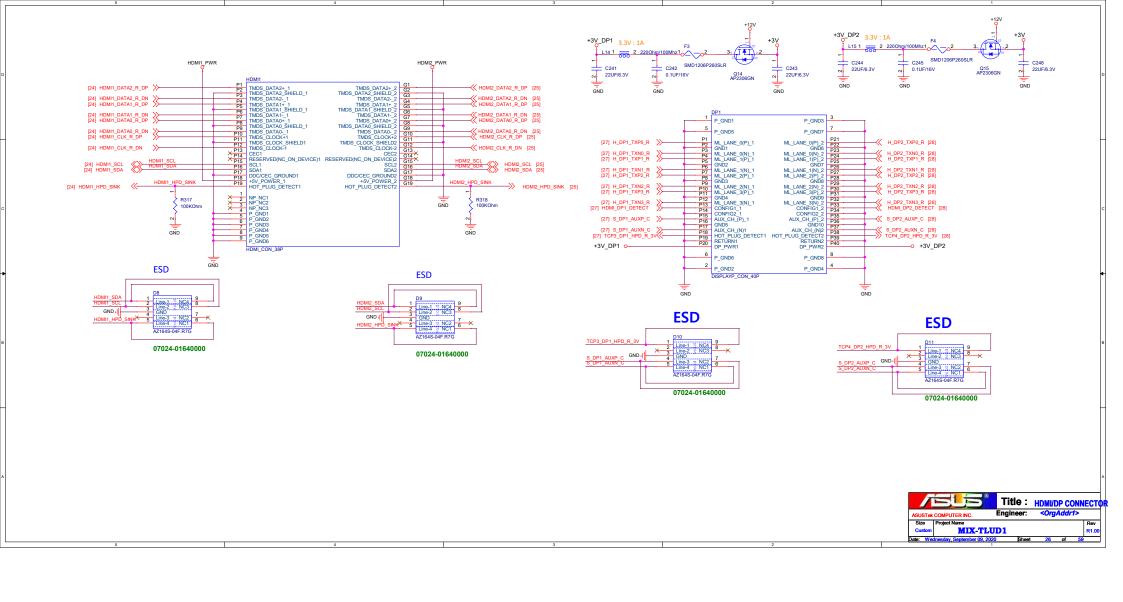


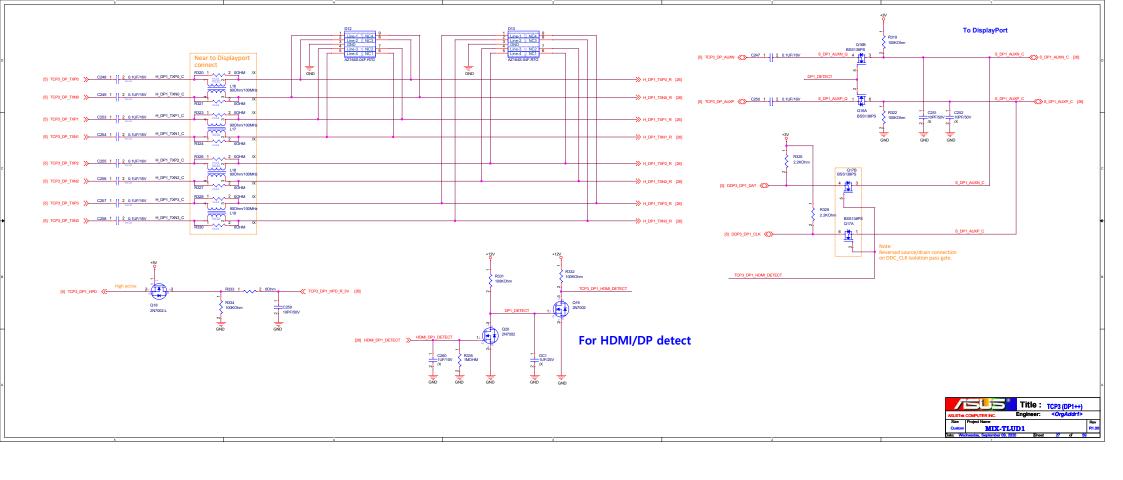


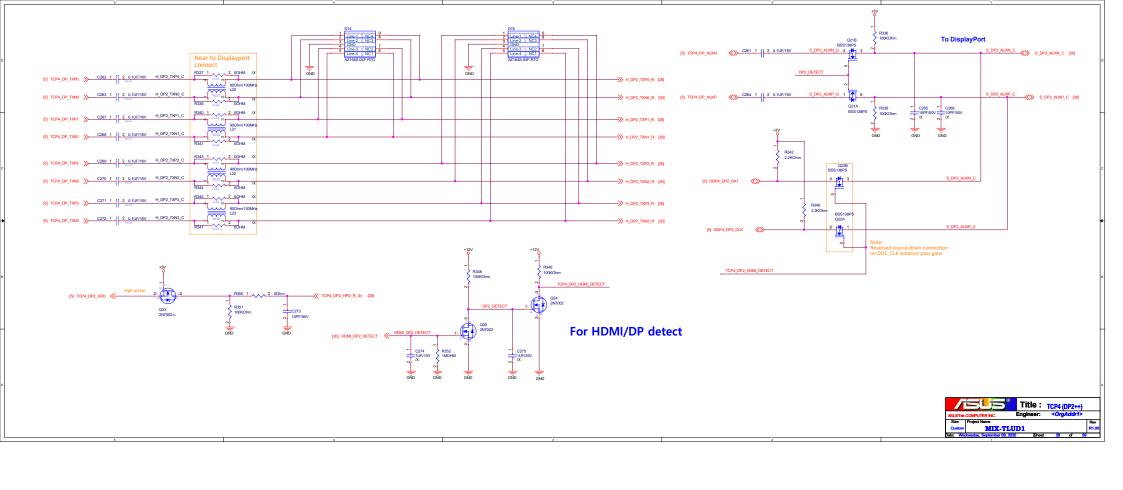


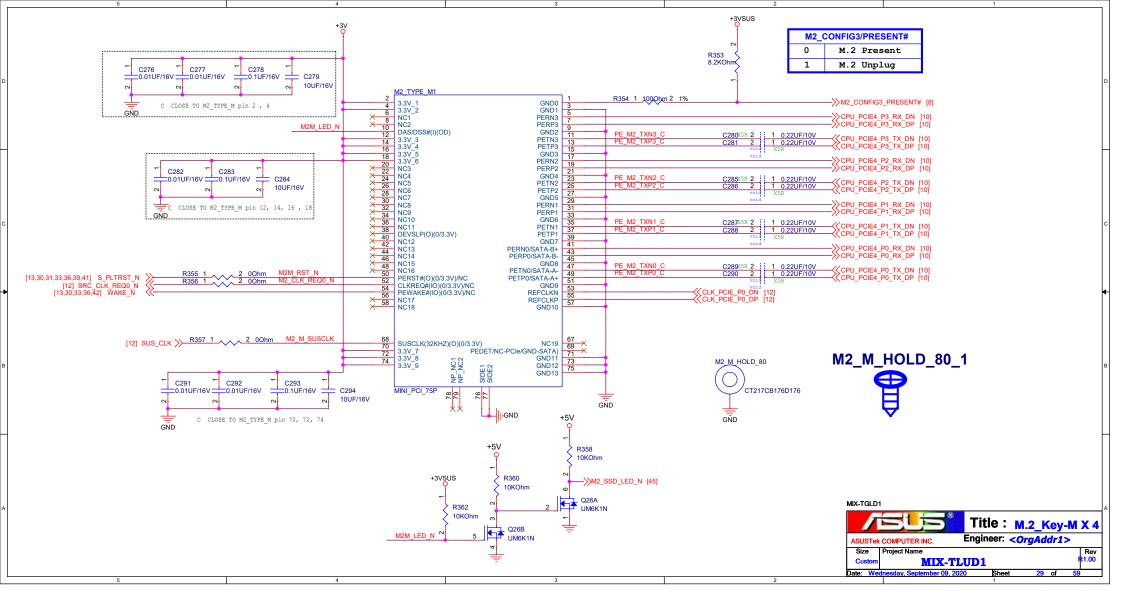


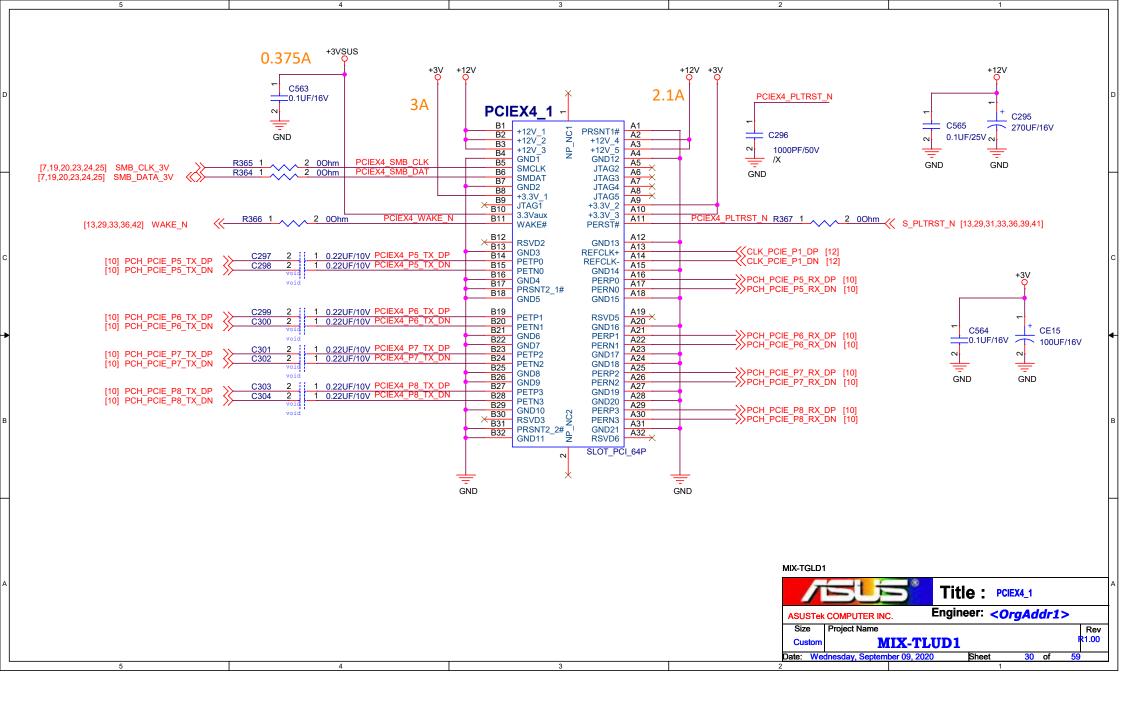


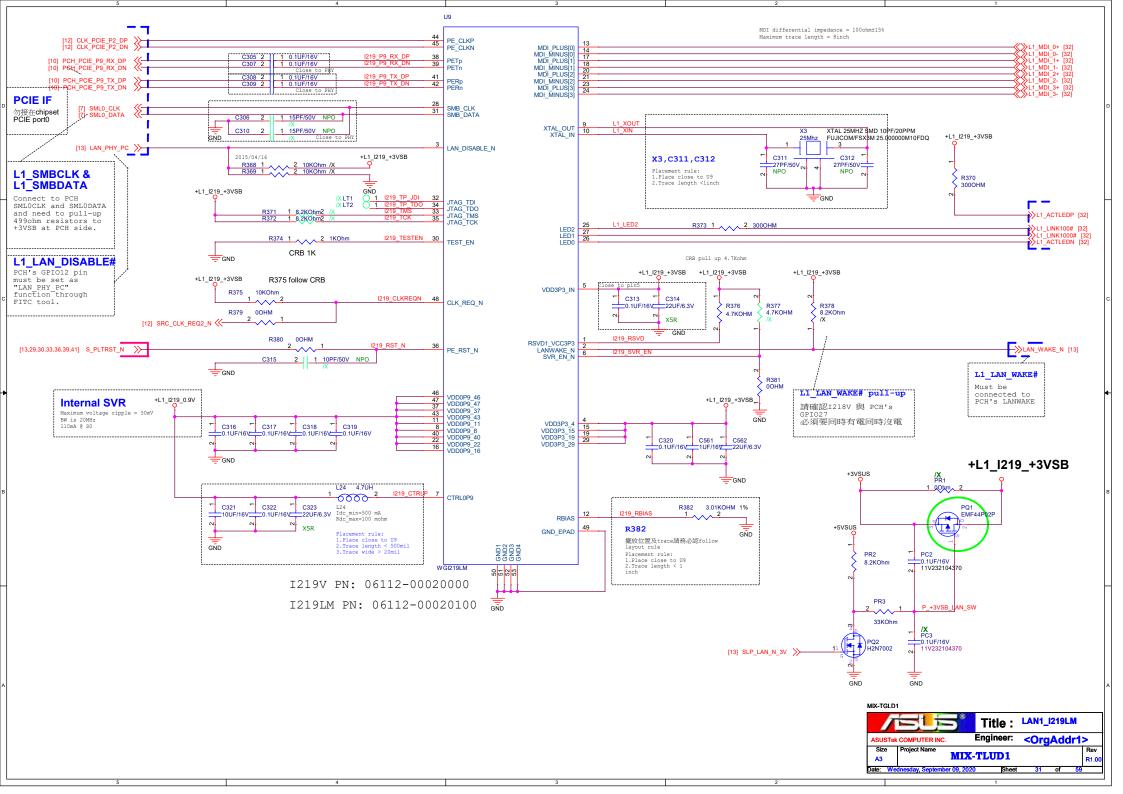


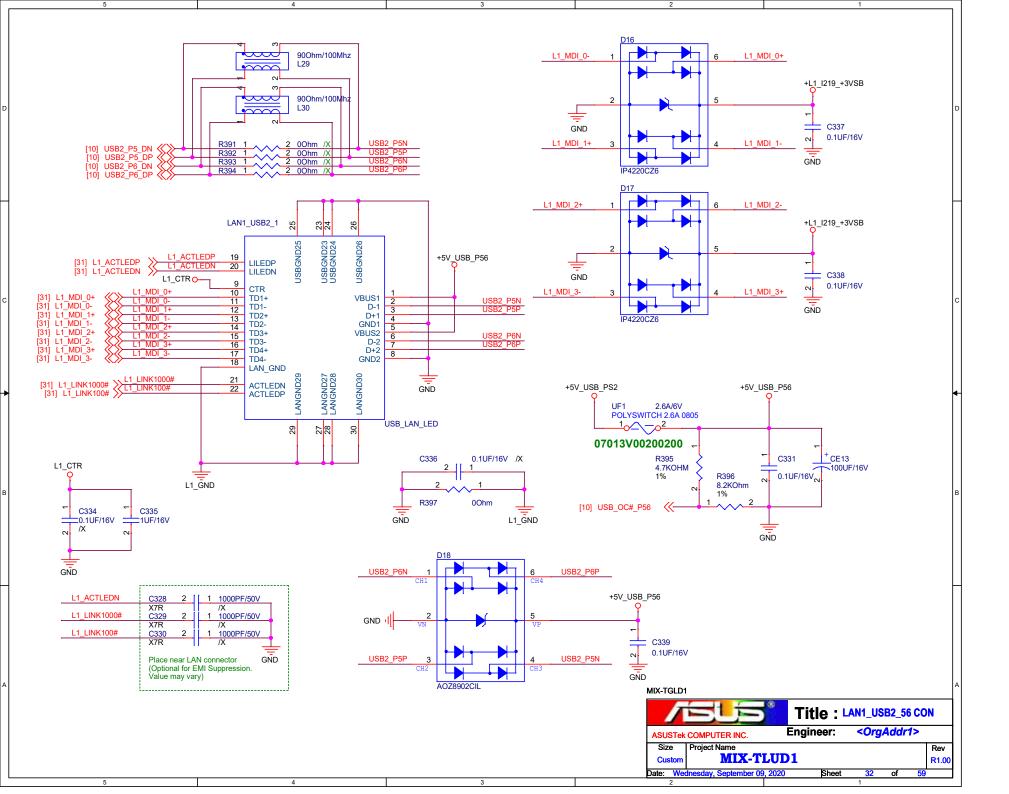


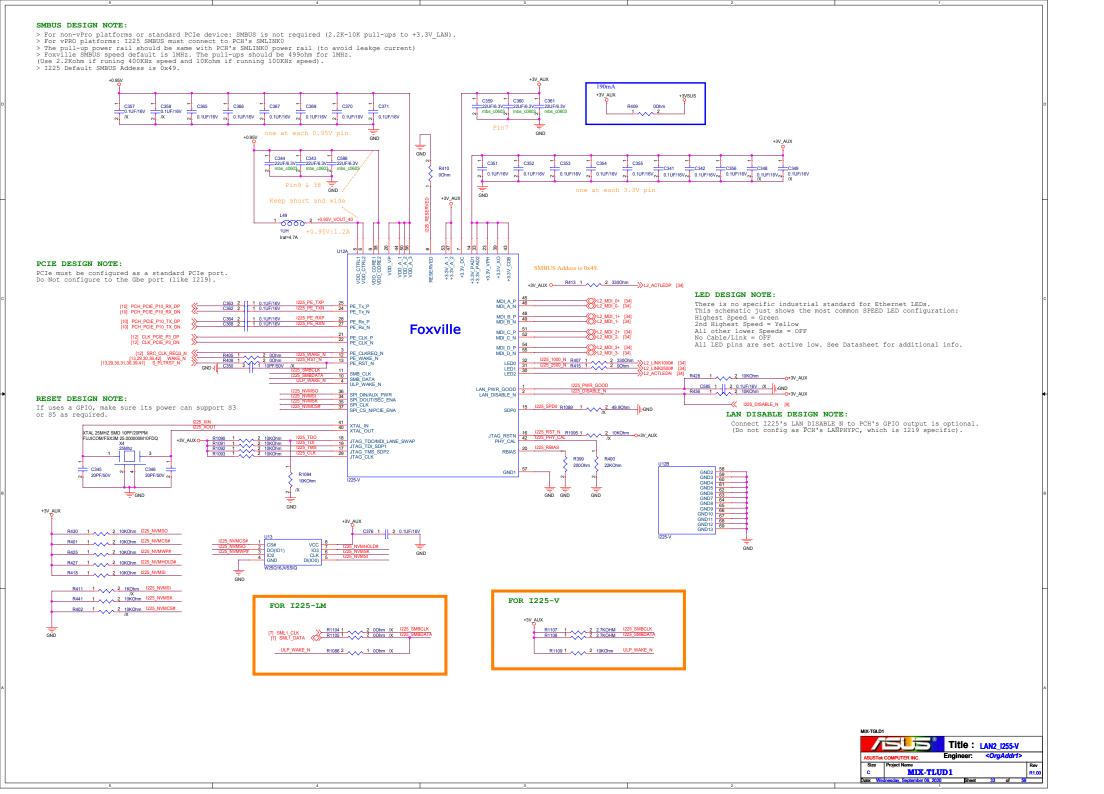


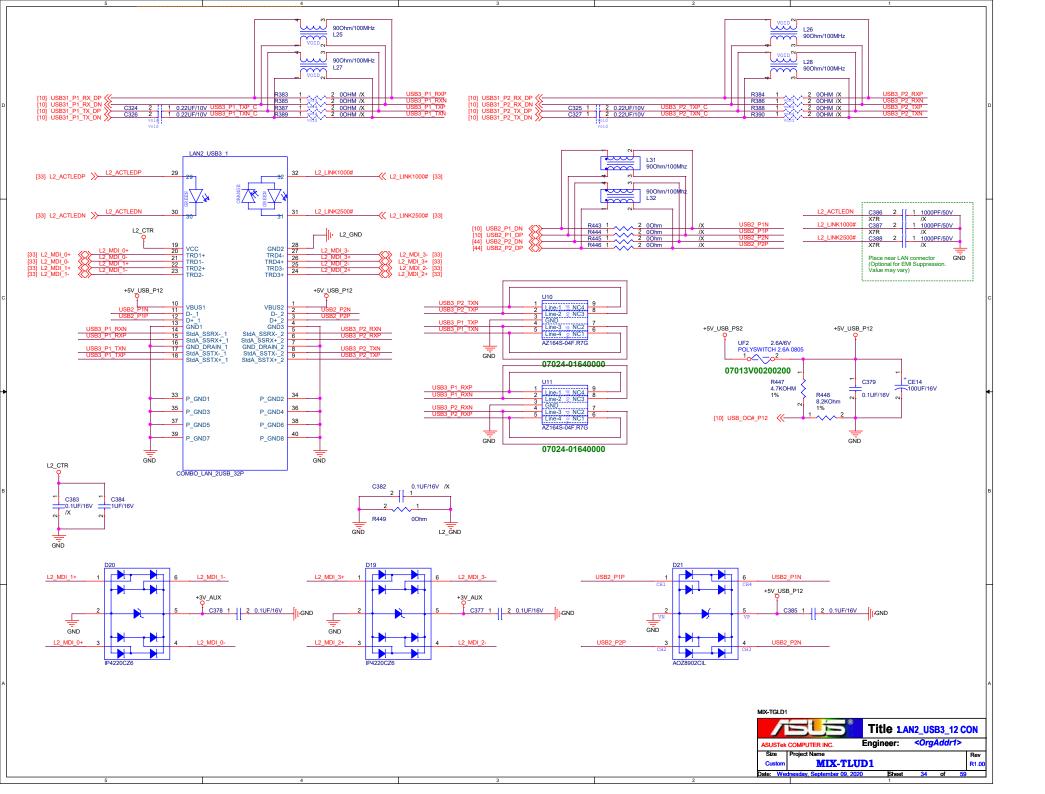


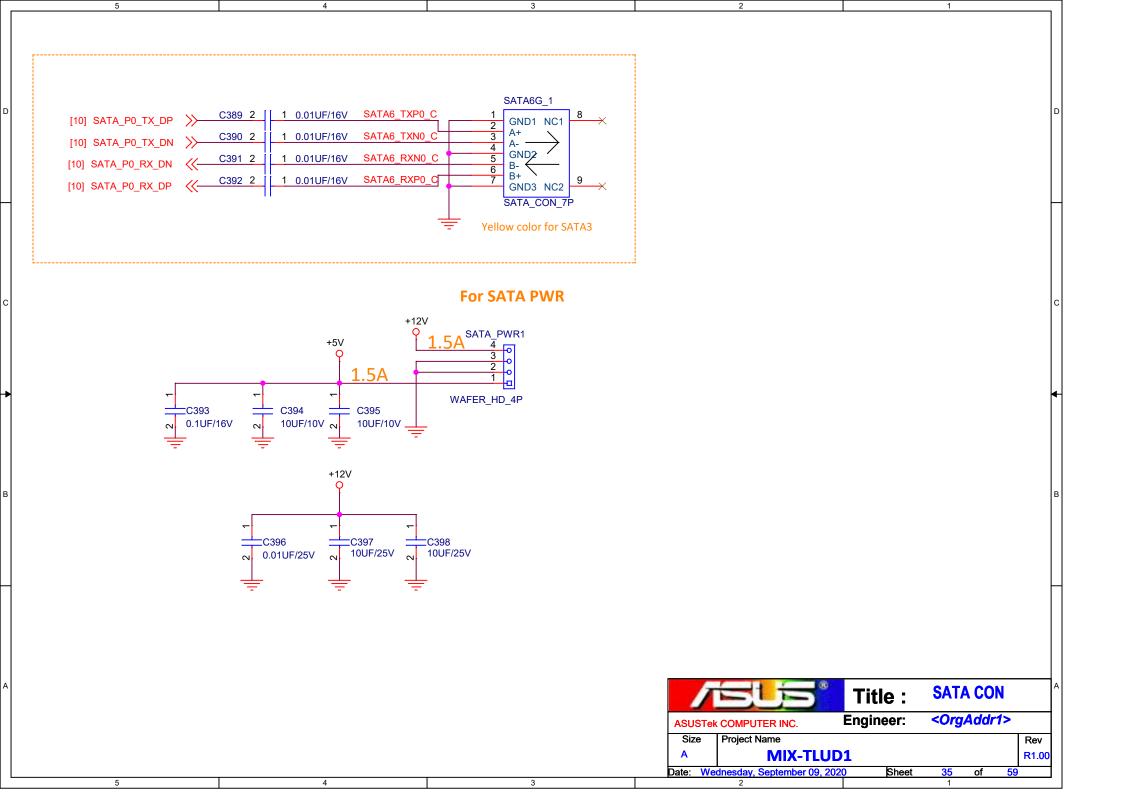




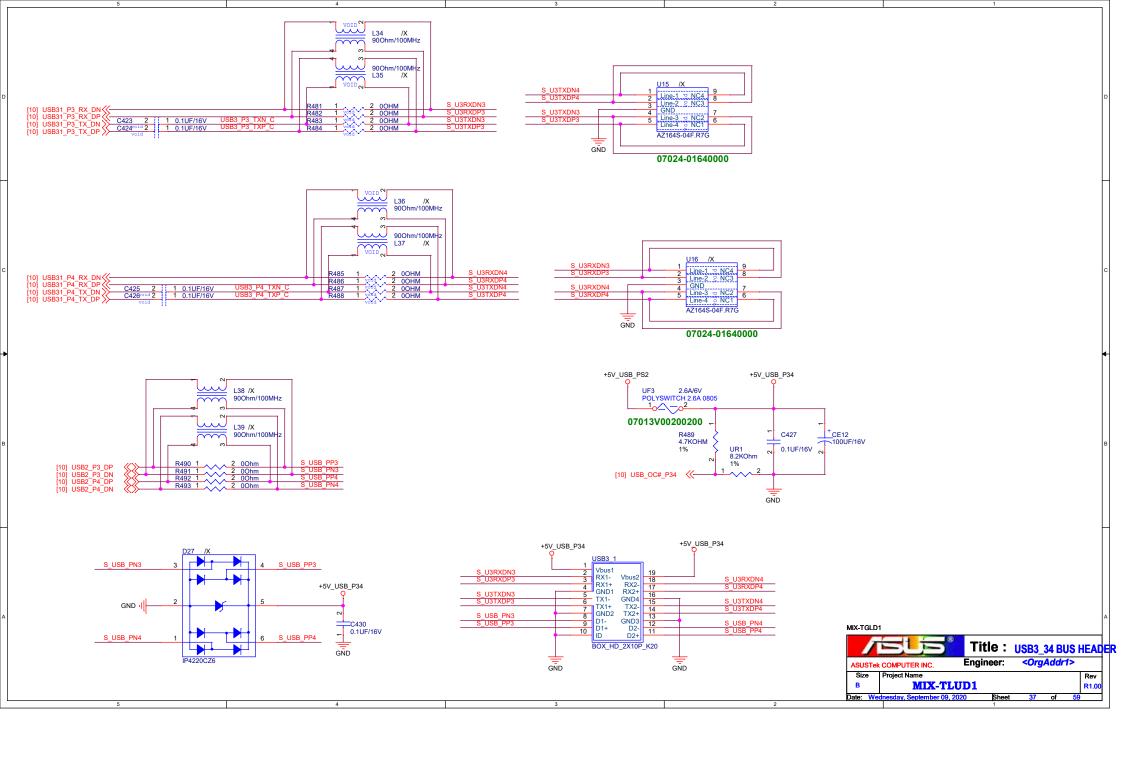


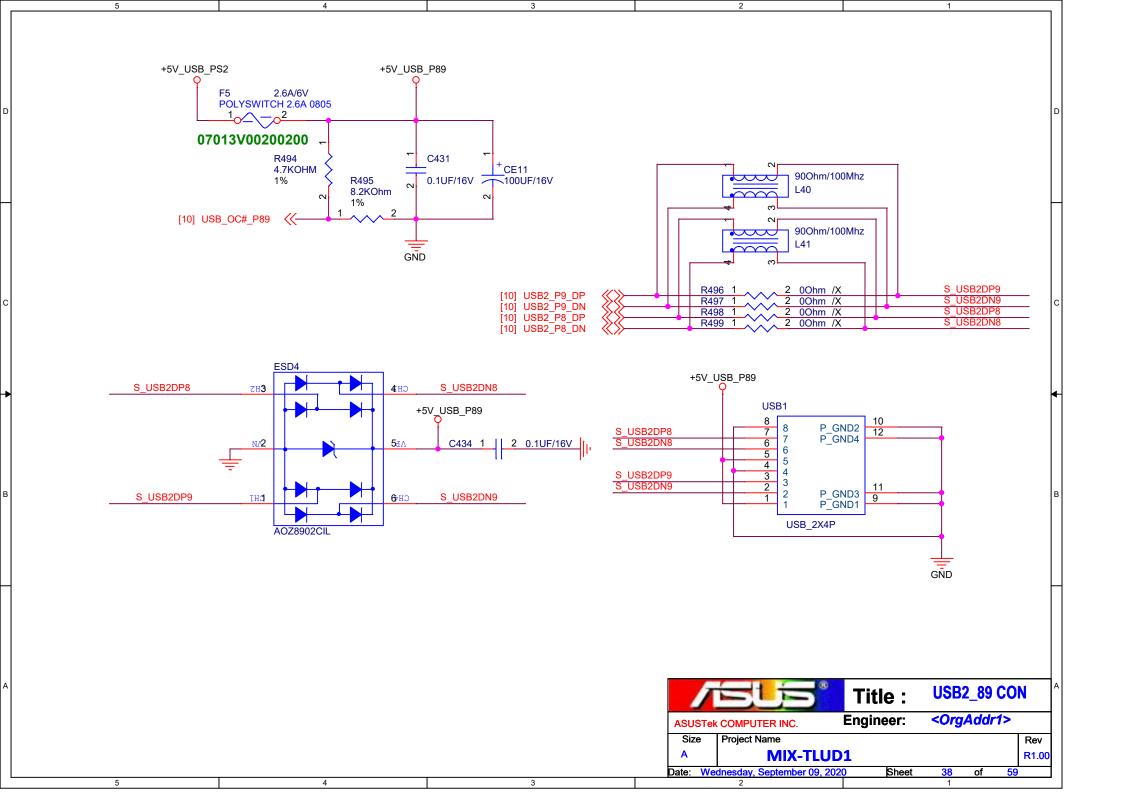


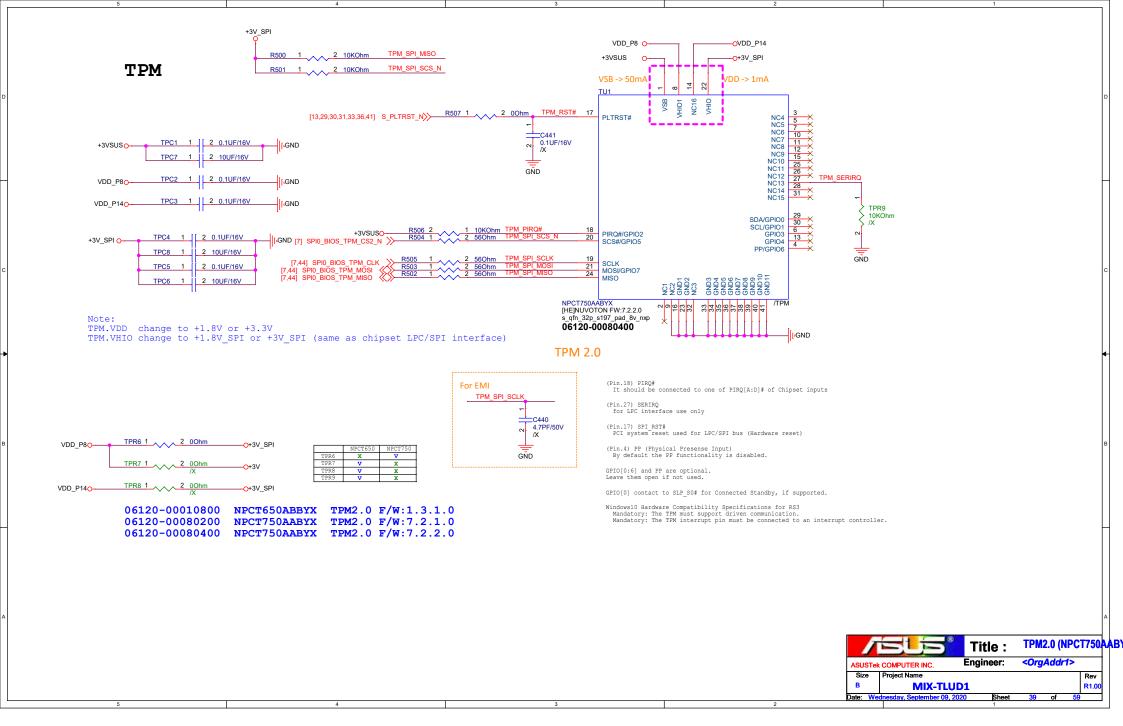


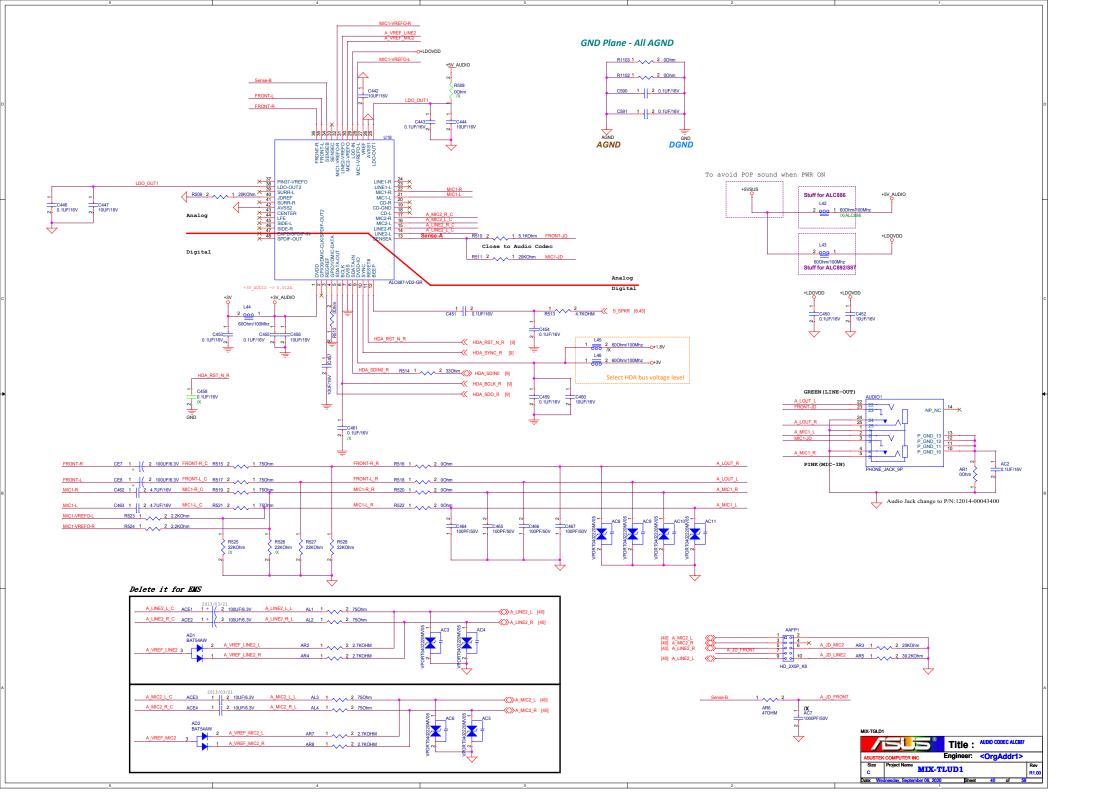


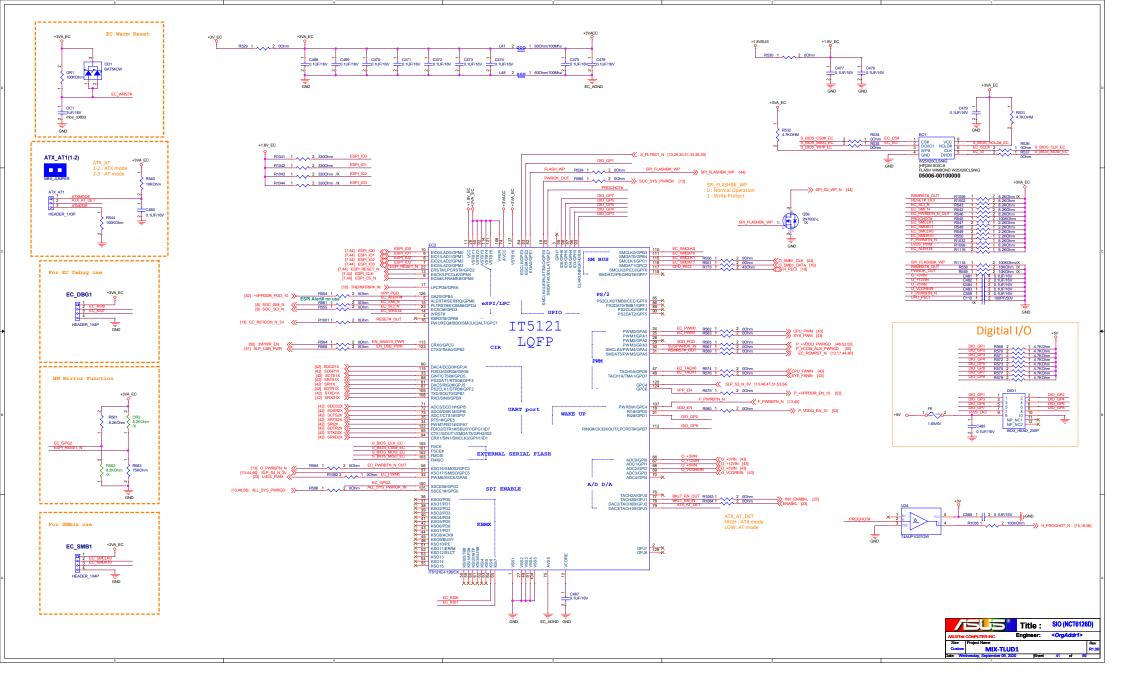
Mini PCI-E Card (Full size) 2.75A(For mPCI-E 1.2 SPEC) M2_SSD_SATA_PE_N mSATA:0 C399 C400 C403 0.1UF/16V 0.1UF/16V 54 53 GND14 GND13 R450 1 2 8.2KOhm mini PCI-E:1 [10] M2_SSD_SATA_PE_N <<-GND12 1.5V_3 LED_WPAN# LED_WLAN# LED_WWAN# GND11 USB_D+ USB_D-GND10 O+1.5V_W2 0.5A(For mPCI-E 1.2 SPEC) R451 1 2 00hm /X PIN4 35 Reserved3 USB_D30 33 GMD6 USB_D90 33 GMD6 USB_D90 35 PETp0 GMD1025 PEMD5 SMB_DCLK 25 PEMD5 SMB_CLK 26 GMD4 SMB_CLK 27 PER0 SMB_CLK 27 PER0 +3.3Vaux 28 PER0 +3.3Vaux 29 PER0 +3.3Vaux 20 PER0 +3.3Vaux 20 PER0 SMB_CLK 21 PER0 SMB_CLK 22 PER0 SMB_CLK 23 PER0 SMB_CLK 24 PER0 SMB_CLK 25 PER0 SMB_CLK 26 SMB_CLK 26 SMB_CLK 27 [10] PCH_PCIE12_TX_DP_SATA_P1_TX_DP >> C406 2 1 0.22UF/10V [10] PCH_PCIE12_TX_DN_SATA_P1_TX_DN >> C407 2 1 1 0.22UF/10V 1 Line-1 NC4 Line-2 NC3 GND Line-3 NC2 Line-4 NC1 UIM_VPP UIM_RESET UIM_CLK UIM_DATA UIM_PWR GND2 REFCLK+ REFCLK-GND1 CLKREQ# AZ1045-04F R458 2 0Ohm 1 /4GLTE/X [12] SRC_CLK_REQ4_N Reserved2 Reserved1 WAKE# [13,29,30,33,42] WAKE_N <<-MINI_PCI_LATCH_52P **Micro-SIM Card** Full Size SIM1 GND3 GND4 RESERVED1 GND1 VPP C411 1 2 5pF/50V /X SIM_SOCKET_8P_BLACK MICROSIM SOCKET 8P 1.5H STD TAISOL/5-991707001000-6 GND mSATA : Device Active mini PCI-E : Floating 4.7KOhm [10] SATA_P1_DEVSLP1 >> R469 1 2 00hm MINI_HDLED_N [45] Micro-SIM Card - Reserved Pin for Signal Quality 10KOhm SQ1A UM6K1N R470 UIM_PWR_R C412 1 2 0.1UF/16V UIM_RESET_R C413 1 SQ1B UM6K1N UIM_DATA_2 C415 1 2 0.1UF/16V UIM_RFU2 1 X 2 00hm R477 > 00hm > mbs_r0603 G9141 : Imax=0.6A 1000FF/50V N 10UF/6.3V 0.1UE/16V 10UF/6.3V Micro-SIM Card - ESD Protection OUT SHDN# SET C420 1UF/10V G9141 : Vset = 1.0V 20KOhm = 1.0 x [1 + (10/20] = 1.0 x (1+0.5) = 1.5V NUT_MINI2_27 NUT MINI1 51 Title: SIM/Mini PCIE (Full size) Engineer: <OrgAddr1> MIX-TLUD1

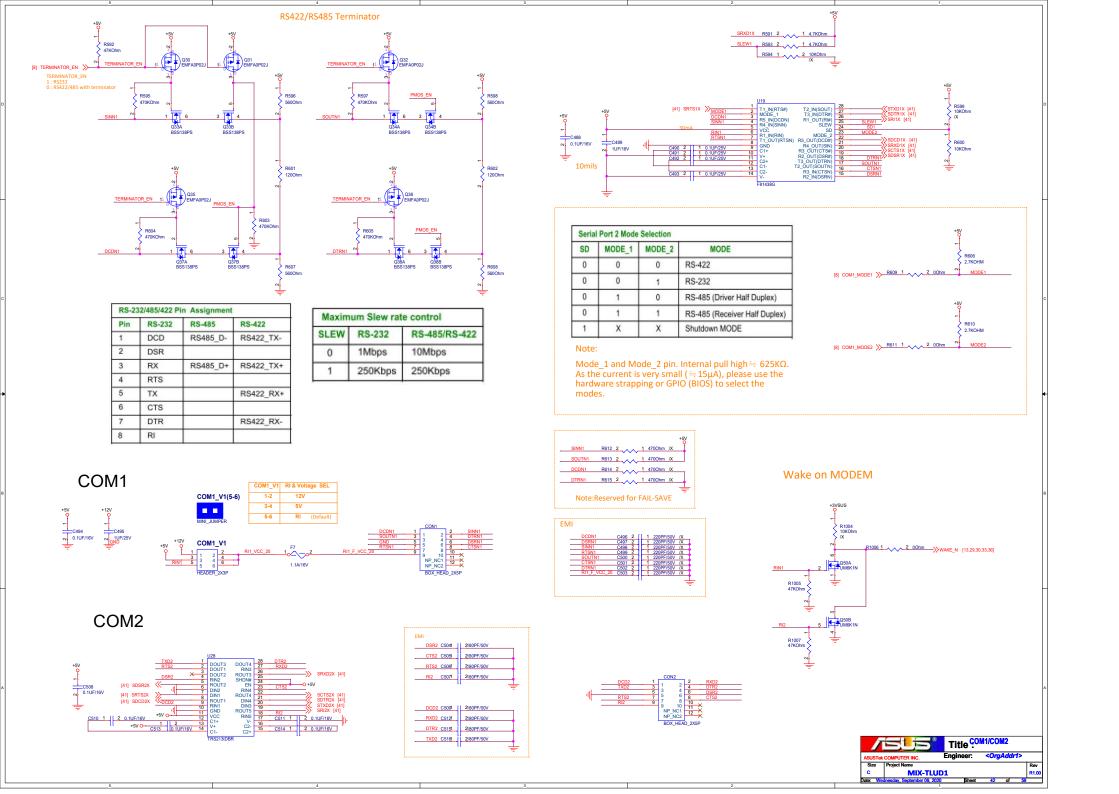


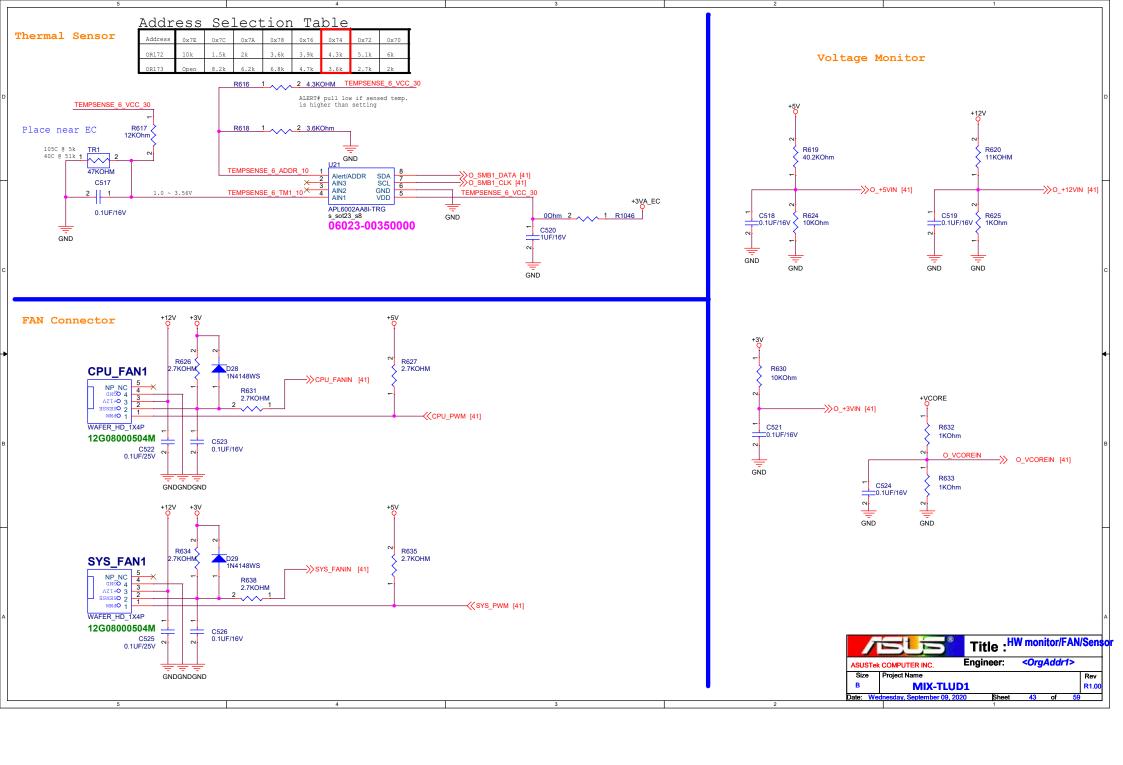


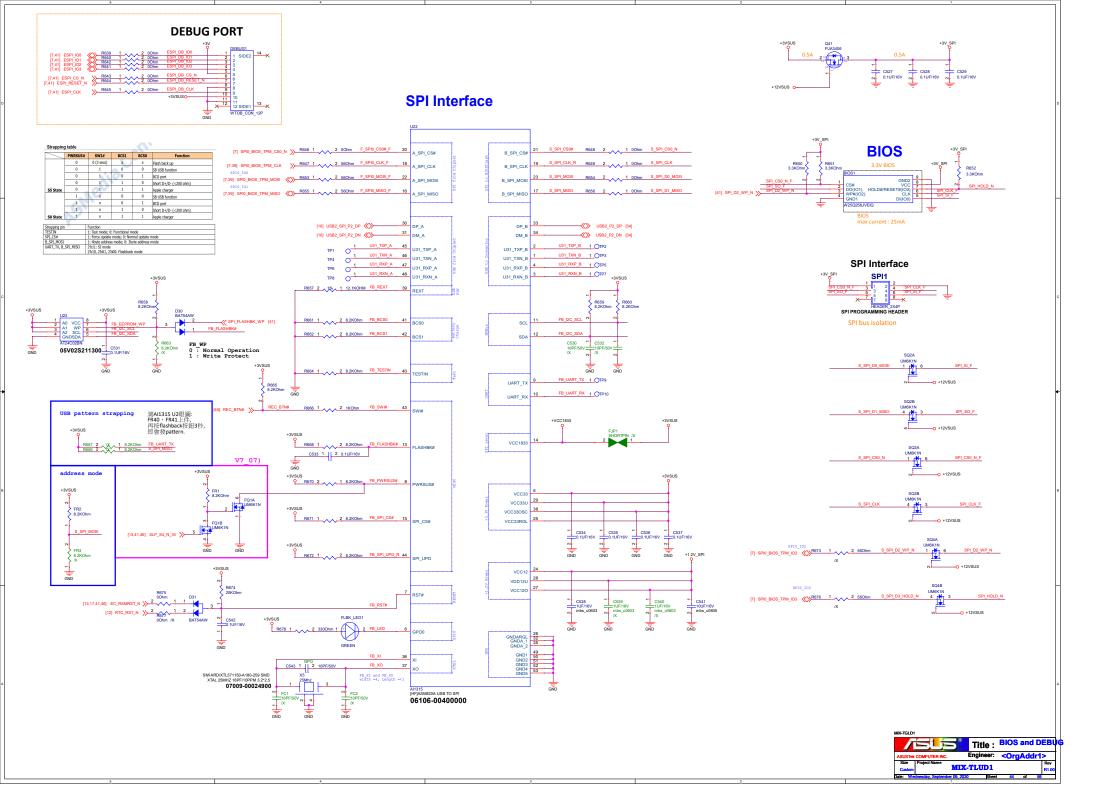


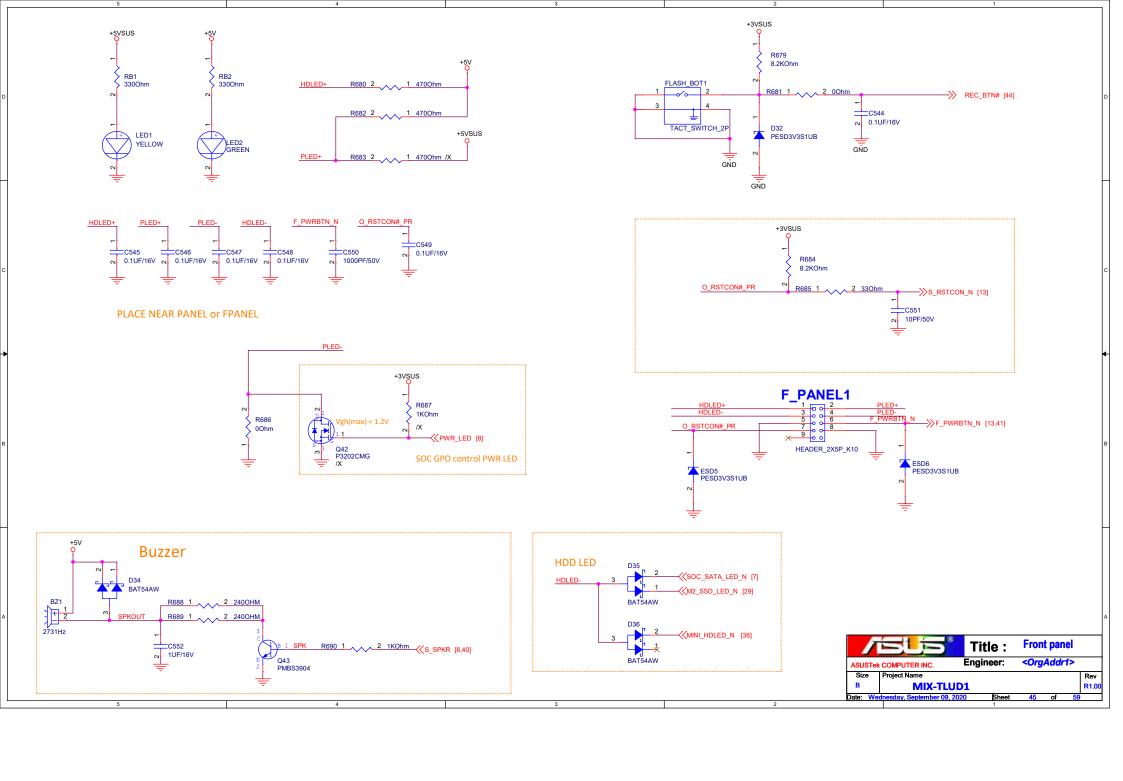


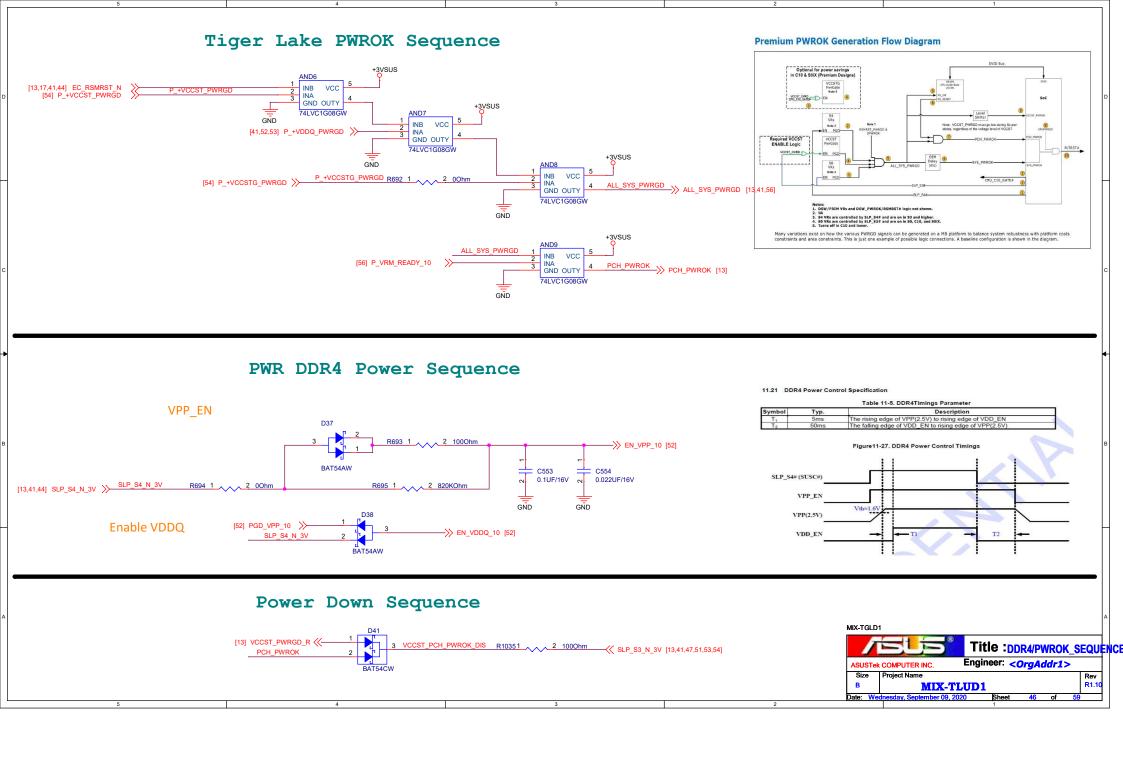


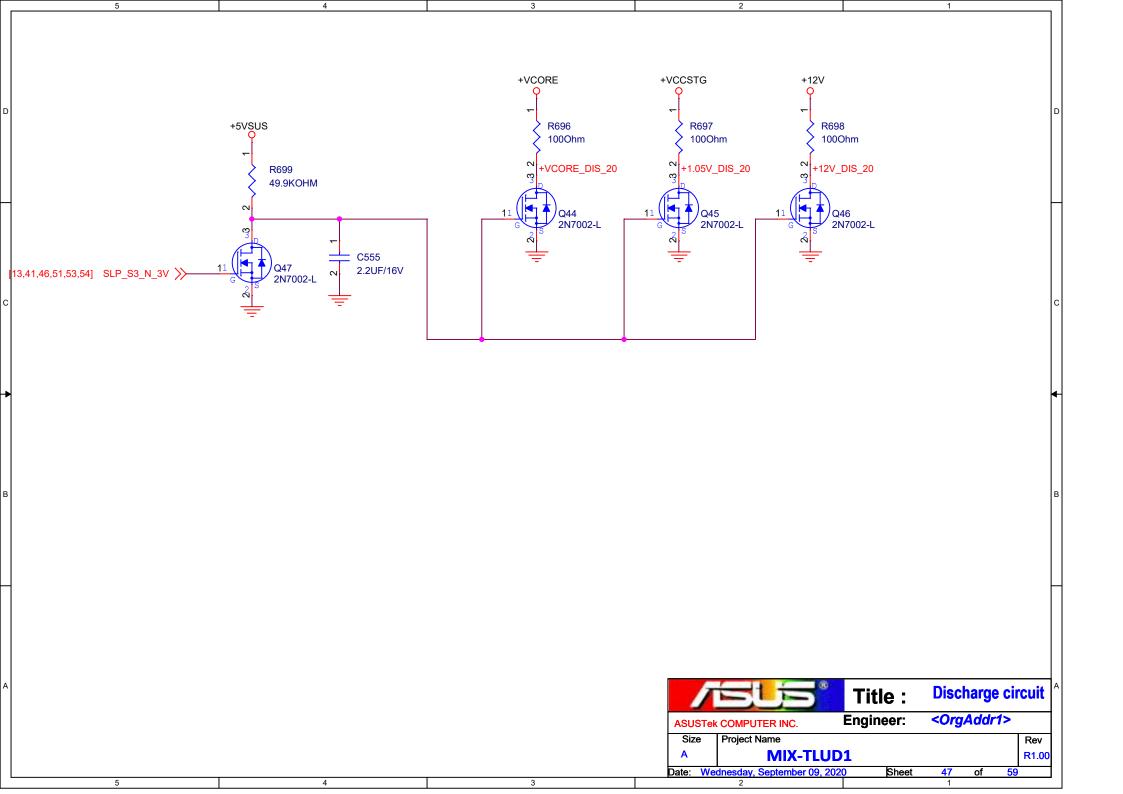


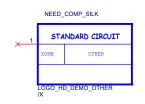












Fiducial Mask (光學點)

光學點需要 6~10 顆, LayoutRD會依空間大小及版本需求 擺放所需的光學點 所以兩種光學點都需畫入線路中,

最後再做刪除.

大顆十字光學點

小顆十字光學點 NDEX1 X 1 1 NDEX2 NDEX3 NDEX4 NDEX5 NDEX_PLUS N

Logo

common Logo for all projects





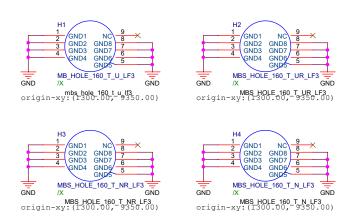






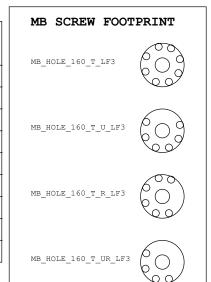






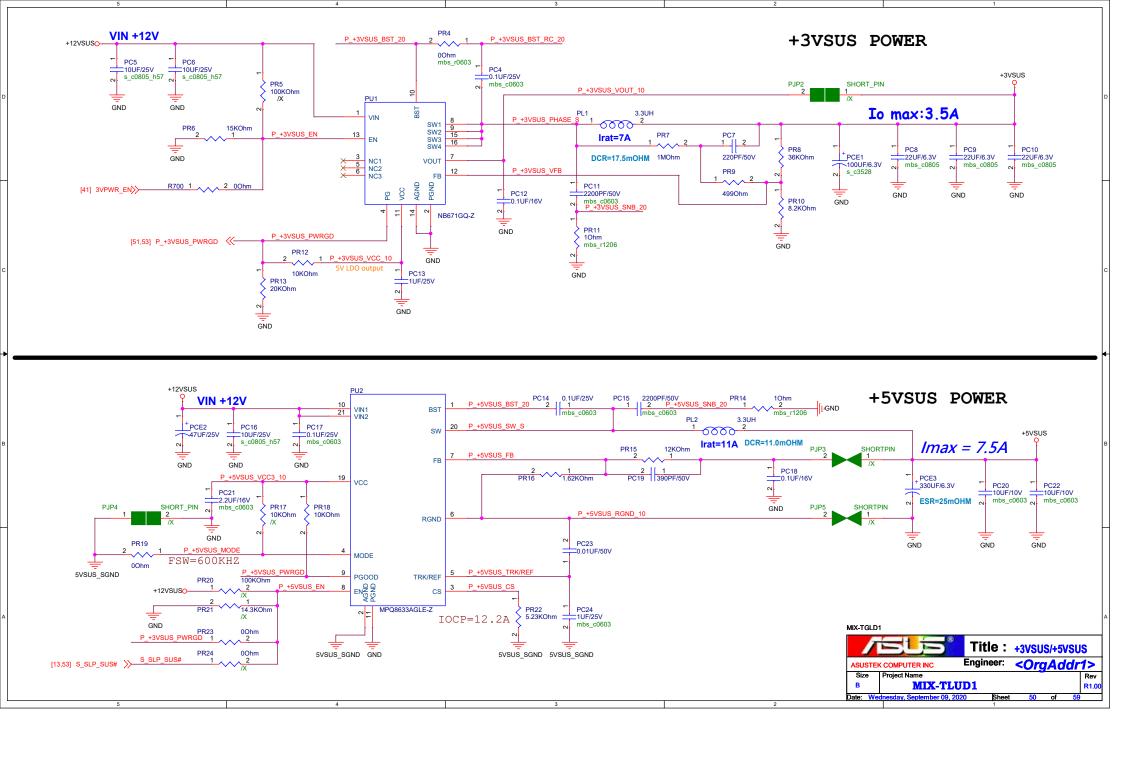
m-ATX Screw Select

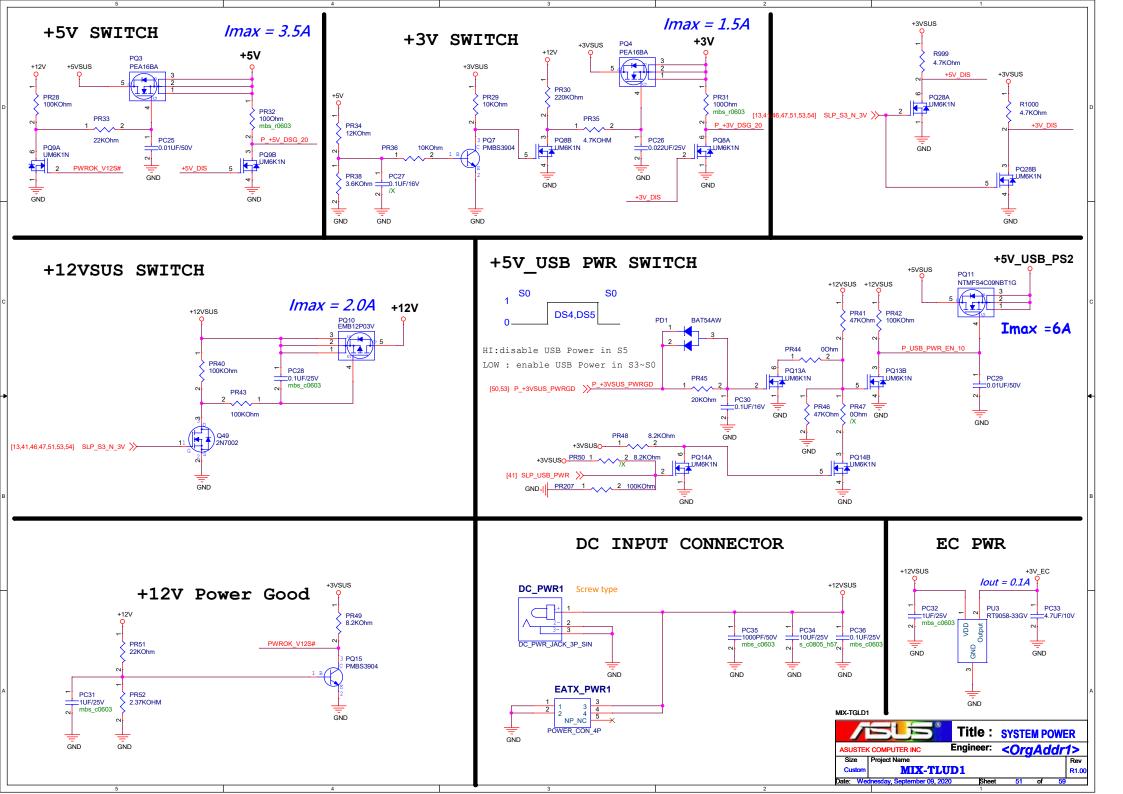
	Standard (9.6 x 9.6)	Scale down (9.6 x <9.6)
Н1	v	v
Н2	v	v
нз	v	v
Н4	v	v
Н5	v	v
Н6	v	v
н7	v	х
Н8	v	х
Н20	v	v

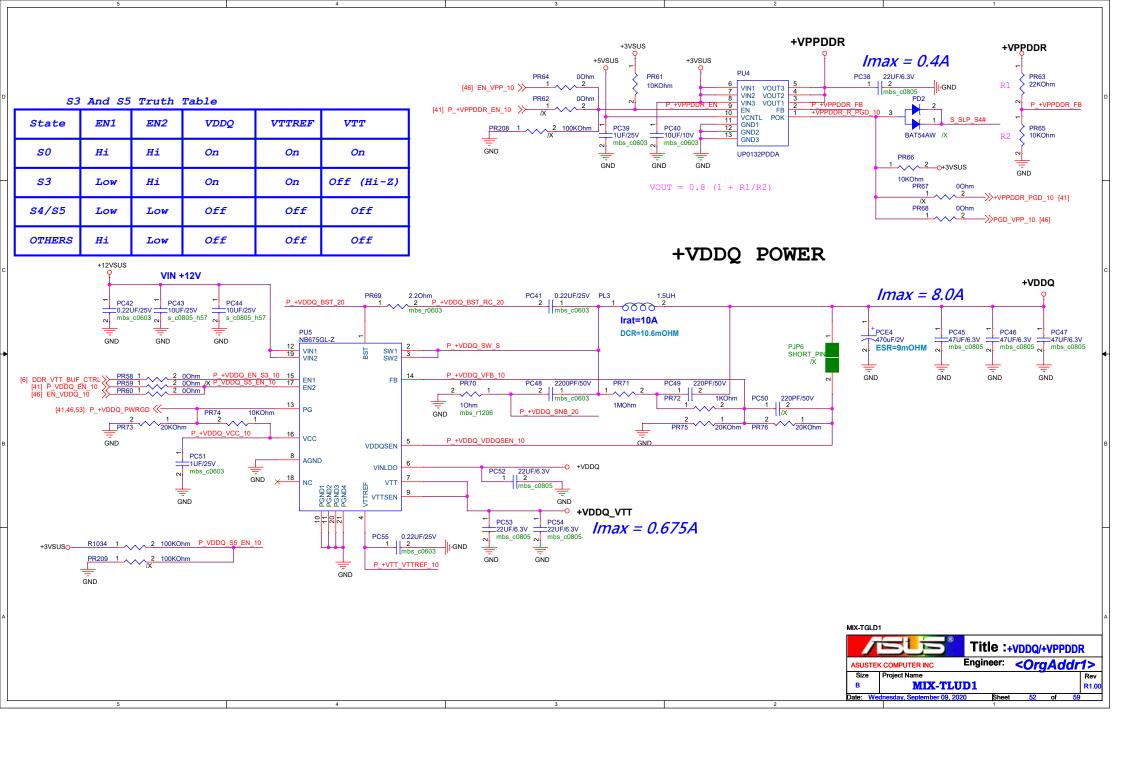


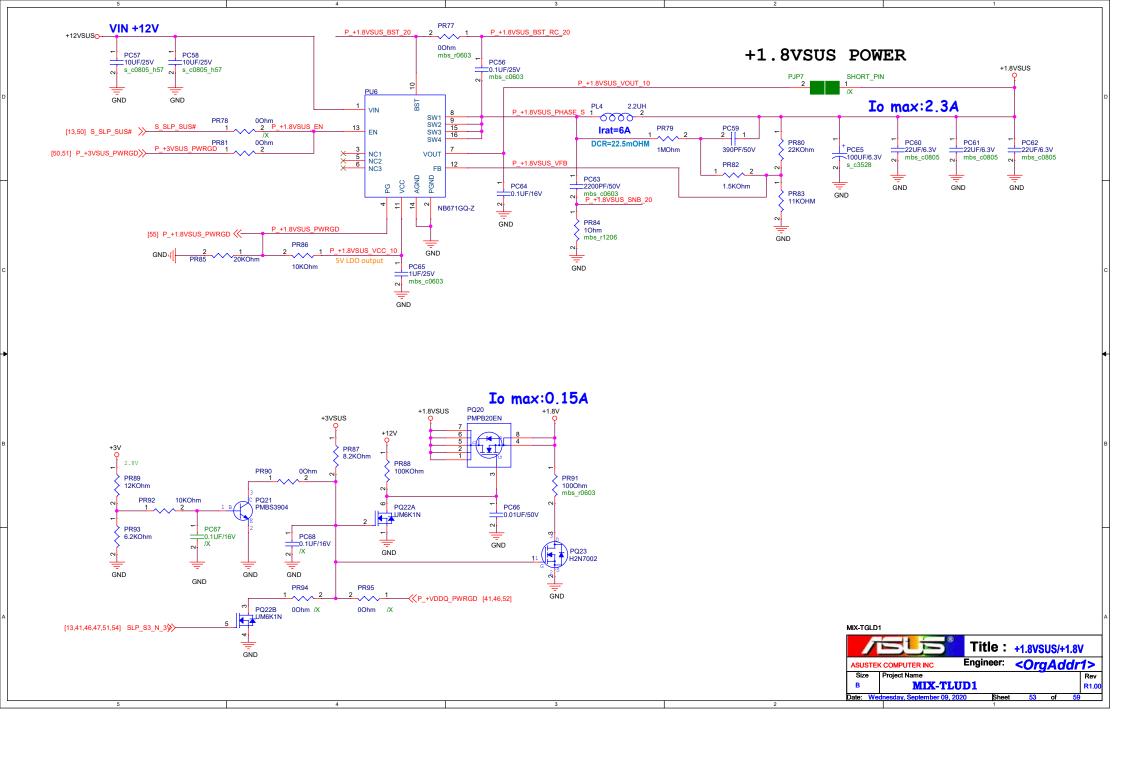


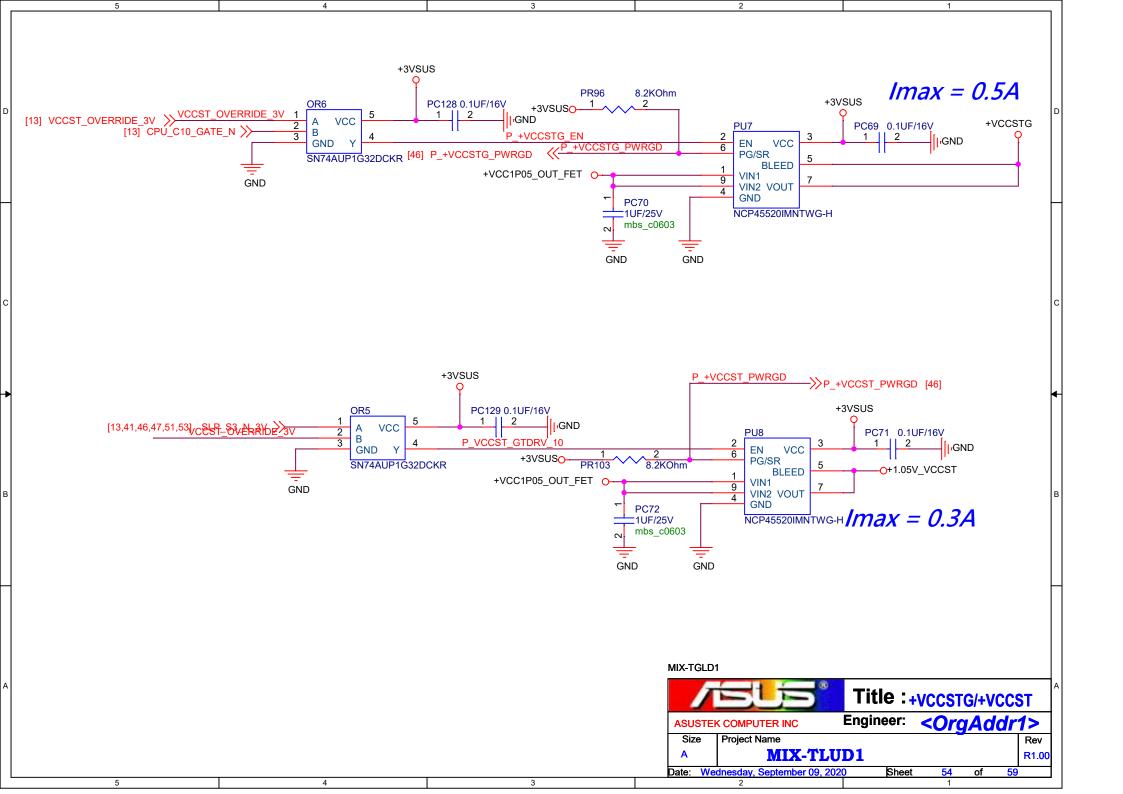


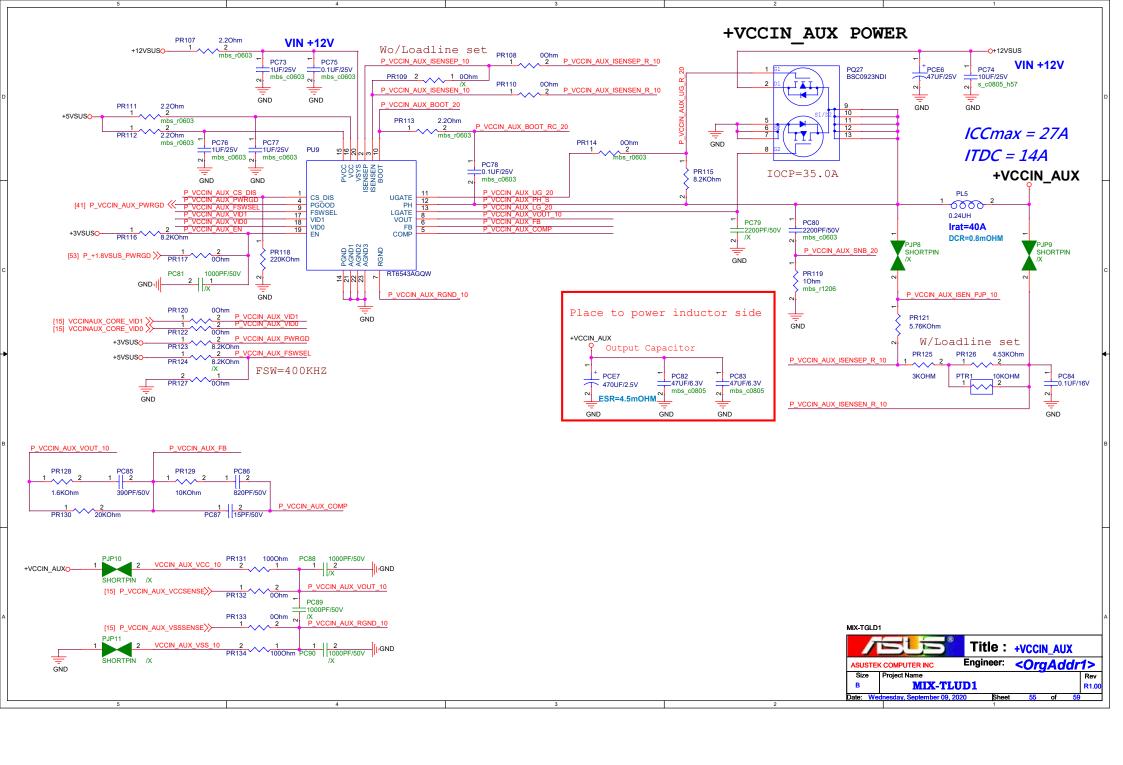


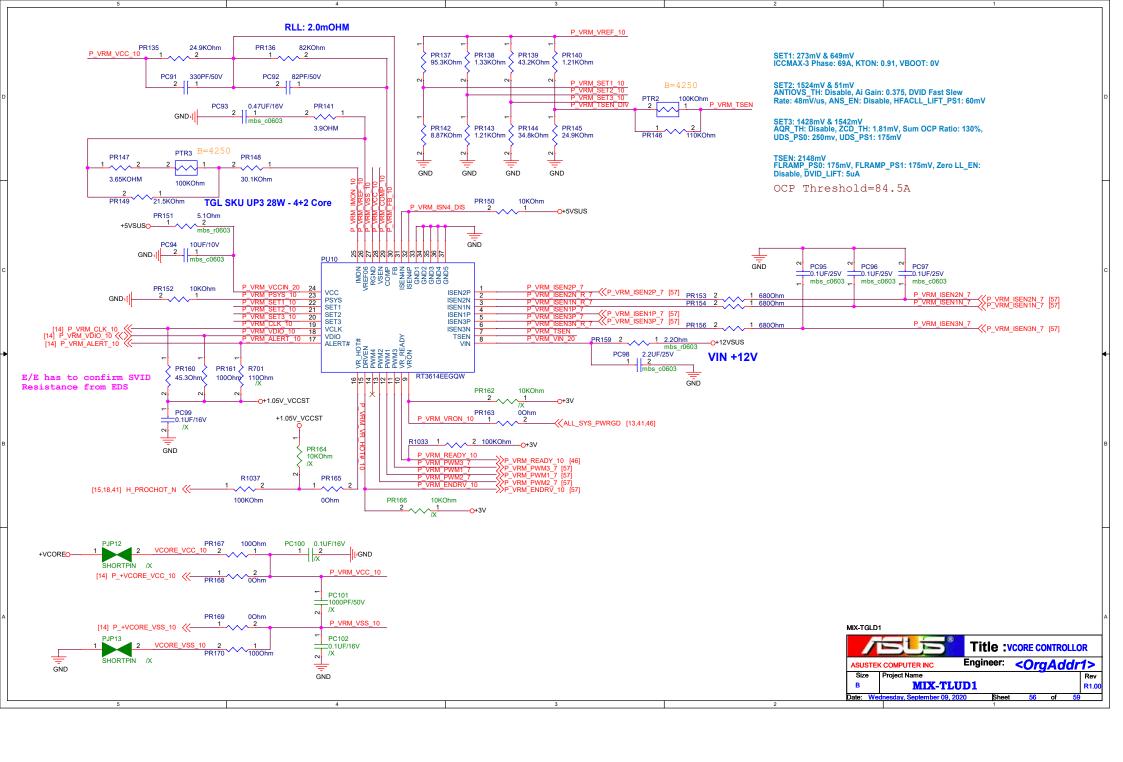


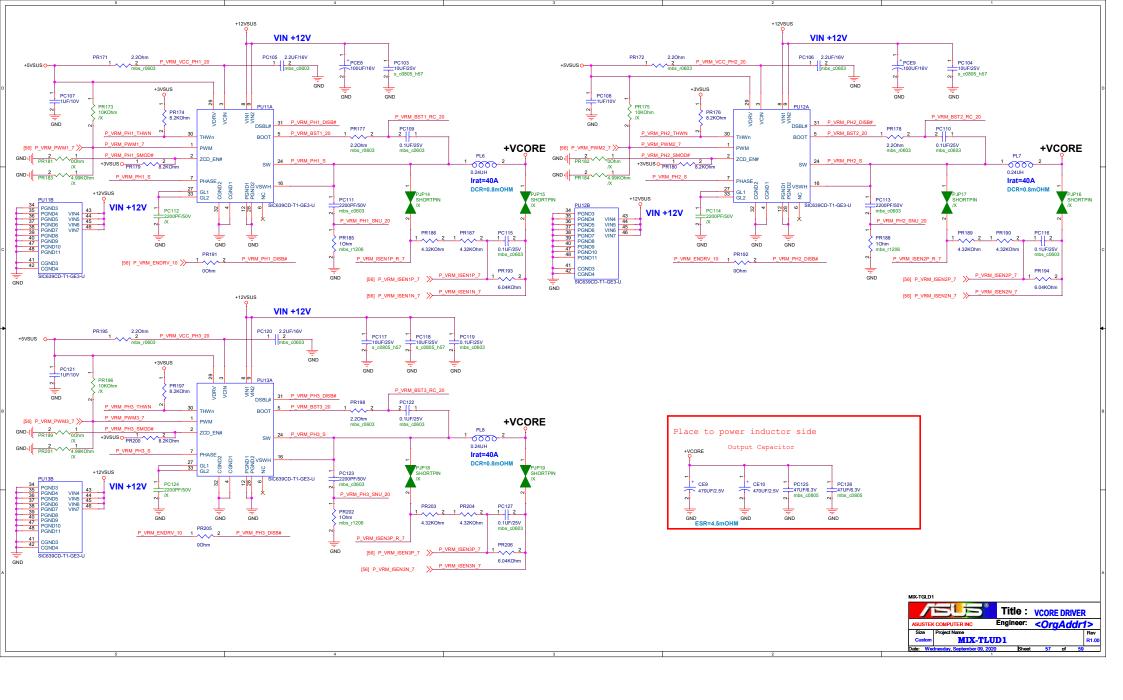












5 4 3 2
MIX-TGLD1 Power Budget

Name	VccIN	VccIN_AUX	VDD2	VTT	VccST	VccSTG	VCCPRIM_1P8	VCCPRIM_3P3	VCCDSW_3P3	5V_USB_PS2	3VSUS	12V	5V	3V	+1.1V_HDMI1	1.5₹
Power Voltage	2V	1.8V	1.2V	0.6V	1.05V	1.05V	1.8V	3.3V	3.3V	5 V	3V	12V	5V	3V	1.1V	1.5∀
TGL PU3+PCH	65	27	1.5	3 8	0.3	0.5	1.3	0.202	0.008	8			2			
DDR4 (SO-DIMM)			5.2	0.4												
DIMM_A1			3.2	0.4				20					0			
DDR3 (SO-DIMM)				0.4												
DIMM_B1			5.2	0.4				/								
LAN 1219											0.3			Č.		
LAN 1210/1211		1		3		0 1			Ü		1.3					
USB2.0 x9		1		F		6 3		8		4.5			2		6 18	
USB3.0 x4	Ti-	1	1	3 2		3		*	8	6				*	3	
HDMI (\$N75DP159) x2			8					8					ķ.	0.034	0.46	
FAN x2		2				9						2	2			
PCIE x4 slot		1									0.375	2.1		3	8	
M.2 M-key (2280)														0.4		
Mini PCI-E Cord											2.75					0.5
STAT Power												1.5	1.5	,		***************************************
AUDIO ALC887		1		0 1										0.012	2	
SPI (AI1315)		1		3					0 00	3	0.036				8 9	
EC (ITS121E)		4		8		8		8	7	· ·					8	
TPM 2.0 (NPCT7/S&AAAYX)		9		3 2				*		2	0.05			×		
Voltage	2	10	1.2	0.0	1.05	1.05	1.8	3.3	3.3	5	3	12	5	3	4.4	4.5
(UNIT:V)	4	1.8	1.2	0.6	1.05	1,05	1.0	3.3	3.3	3	2	12	3	,	1.1	1.5
TOTAL CURRENT	C24					4.0	VX	0.000		40.5	704		200	0.110	0.46	
(UNIT:A)	65	27	11.9	0.8	0.3	0.5	1.3	0.202	0.003	10.5	4.811	5.6	1.5	3.446	0.46	0.5
TOTAL WATT	1998	24/20	11700				1993	12.222		92.97	44.400	1981	22	10.000	2722	2.22
(UNIT: W)	130	48.6	14.28	0.48	0.315	0.525	2.34	0.6666	0.0099	52.5	14.433	67.2	7.5	10.338	0.506	0.75
TRANSFER	***************************************		27-27-20-20-20-20-20-20-20-20-20-20-20-20-20-	UTION DE LIMITATION DE LA CONTRACTION DE LA CONT	10.000	Williams.	100 0000000	W. 4844444	9100-000-00	01000200000	(1770)0000000000	87777244444	111/02/2004/2017	67 000000	University	154,021,000
VOLTAGE	+12VSUS	+12VSUS	+12VSUS	+12VSUS	SOC	soc	+1.8VSUS	+3VSUS	+3VSUS	+5VSUS	+12VSUS	+12VSUS	+5VSUS	+3VSUS	+3VSUS	+3VSUS
100000000000000000000000000000000000000	12VSUS	5VSUS	3VSUS	1.8VSUS												
	275 W	60 W	12.27 W	2.34 W												
Power supply must consumed watts and currents	17.7	24-11-12-27	100000	P-567550												
Power Type	DC IN (12V)			i i												
Consumed watts (Item: W)	349.61 W															
Consumed cuments (Item A.)	29.13 A															
Actually required currents (Item A/0.8)	36.4 A															

A

MIXTOLDS

Title: Power Budget

MIX-TLUD1

