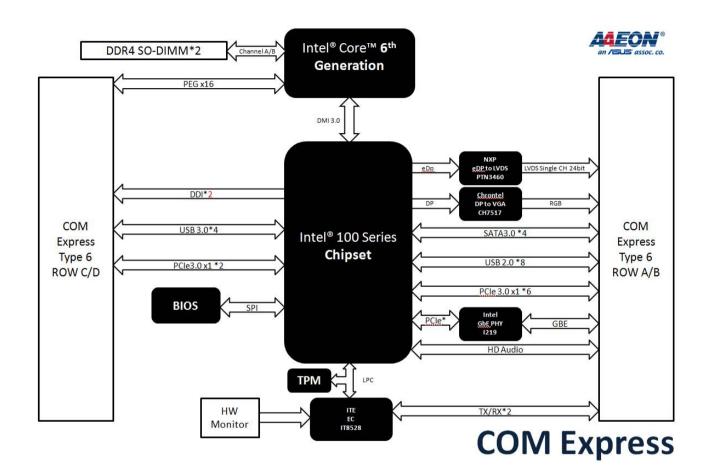
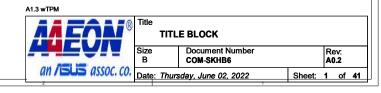
COM-SKH Rev. A1.3 BLOCK DIAGRAM



	ble of Contents
Page	Description
01)	TITLE PAGE
02)	System Setting
03)	Power Map Power Swquence
04)	Power Swquence
05)	PROCESSOR 1-DMI/PEG PROCESSOR 2-DDR4
07)	PROCESSOR 2-DDR4 PROCESSOR 3-DDI/EDP
08)	PROCESSOR 4-CFG/RSVD
09)	PROCESSOR 4-CFG/RSVD PROCESSOR 5-PWR1
10)	PROCESSOR 6-PWR2
11)	PROCESSOR 7-VSS DDR4 SO-DIMM-A
12)	DDR4 SO-DIMM-A
13)	DDR4 SO-DIMM-B PCH 1-SPI/SMLINK/UART/I2C
15)	PCH 2-CLK
16)	PCH 3-DMI/USB2.0/PCIE/USB3
17)	PCH 4-DDI/USB3/LPC/eSPI
18)	PCH 5-PCIE/SATA/FAN
19)	PCH 6-HDA/SMB/MISC/I2S/RTC
20)	PCH 7-PWR
21)	PCH 8-VSS LAN I219
22)	DAN 1219
24)	Row A/B & C/D SPI_TPM
25)	EC =ITE8528/H/W Monitor/WDT
26)	DP to LVDS DP to VGA
27)	DP to VGA
	POWER +V5A POWER +V3.3A
	POWER +V3.3A POWER SWITCH 5V 3V 1.8 STG
31)	POWER VCCIO/FV1.8A
32)	POWER +VDDO MEM/VPP
33)	POWER +V1.0A
34)	IMVP8 NCP81245 1
35)	IMVP8 VCORE IMVP8 VCCGT IMVP8 VCCSA
36)	IMVP8 VCCGT
38)	Boot Sequence/iAMT Control
39)	History
40)	History 1
41)	History 2



EC IT8528VG GPIO Pins :

LC 11032	8VG GPIO I	1 1113 .	1										I	Г
PIN NO.	PIN Name	Multi-Func	Default	GPIO Function	PIN NO.	PIN Name	Multi-Func	Default	GPIO Function	PIN NO.	PIN Name	Multi-Func	Default	GPIO Function
M5	GPA0	PWM0	GPI	EC_AC_PRESENT	N1	GPD0	RI1#/WUI0	GPI	SLP_S3#	D8	GPH0	CLKRUN#/ID0	GPI/ID0	EC_RSMRST#
N5	GPA1	PWM1	GPI	PM_SUS_STAT#	N3	GPD1	RI2#/WUI1	GPI	SLP_S4#	E8	GPH1	CRX1/SIN1/SUI17	GPI/ID1	SRXD2X
M6	GPA2	PWM2	GPI	SUS_PWR_ACK	M4	GPD2	LPCRST#/WUI4	LPCRST#	BUF_PLT_RST#	D7	GPH2	CTX1/SOUT1/WUI19	GPI/ID2	STXD2X
N6	GPA3	PWM3	GPI	FAN_PWM	N4	GPD3	ECSCI#	GPI	EC_SCI#	A9	GPH3	ID3	GPI/ID3	ALL_SYS_PWRGD
К6	GPA4	PWM4	GPI	EC_LPC_PME#	L2	GPD4	ECSMI#	GPI	EC_SMI#	B8	GPH4	ID4	GPI/ID4	PWRGD_CB
J6	GPA5	PWM5	GPI	MOD_SPI_CSEN0#	N7	GPD5	GINT/CTS0#	GPI	EC_KBRST#	A8	GPH5	ID5	GPI/ID5	EC_DPWROK
M7	GPA6	PWM6/SSCK	GPI	BID0	M11	GPD6	TACH0	GPI	EC_CPUFAN_TACH	В7	GPH6	ID6	GPI/ID6	DELAY_ALL_SYS_PWRGD
K7	GPA7	PWM7/RIG1#	GPI	CAR_SPI_CSEN0#	M12	GPD7	TACH1	GPI	SLP_LAN#_EC					
A4	GPB0	RXD/SIN0	GPI	SRXD1X	N2	GPE0 L	.80HLAT/WUI24	GPI	GPO0	G10	GPI0	ADC0	GPI ONLY	TH1_CPU
А3	GPB1	TXD/SOUT0	GPI	STXD1X	A13	GPE1	EGAD	GPI	GPO1	G13	GPI1	ADC1	GPI ONLY	TH2_COM
D2	GPB2	СТХО	GPI	SLP_WLAN#_EC	A12	GPE2	EGCS#	GPI	GPO2	G12	GPI2	ADC2	GPI ONLY	VIN_SEN
B4	GPB3	SMCLK0	GPI		B12	GPE3	EGCLK	GPI	GPO3	F9	GPI3	ADC3	GPI ONLY	V5ALW_SEN
A2	GPB4	SMDAT0	GPI		E2	GPE4	PWRSW	GPI	FPANSWH#	F13	GPI4	ADC4/WUI28	GPI ONLY	VDDR4_SEN
F1	GPB5	GA20	GPO	5VSBY1_SW	N8	GPE5	WUI5/RTS1#	GPI	EC_PROCHOT	F10	GPI5	ADC5/DCD1#	GPI ONLY	
H4	GPB6	KBRST#	KBRST	CB_WDT	M1	GPE6	LPCRD#/WUI6	GPI	5VSBY2_SW	F12	GPI6	ADC6/DSR1#	GPI ONLY	VCORE_SEN
A1	GPB7	RING#/PWRFIL /LPCRST#	GPI	EC_LID#	МЗ	GPE7	L80LLAT/WUI7	GPI	PS_ON#	E13	GPI7	ADC7/CTS1#	GPI ONLY	VGT_SEN
D1	GPC0	CRX0	GPI	CB_BATLOW#	A11	GPF0	PS2CLK0/TMB0	GPI	GPI0	E12	GPJ0	DAC0	GPI	SLP_SUS#
В3	GPC1	SMCLK1	GPI	EC_CLK_3P3	B11	GPF1	PS2DAT0TMB1	GPI	GPI1	D13	GPJ1	DAC1	GPI	AutoBtn#
B2	GPC2	SMDAT1	GPI	EC_DATA_3P3	A10	GPF2	PS2CLK1/DTR0#	GPI	SUSACK#	D12	GPJ2	DAC2	GPI	CB_SLP_S3#
K13	GPC3	KSO16/SMOSI	GPI	EC_PCH_THRMTRIP	B10	GPF3	PS2DAT1/RTS0#	GPI	EC_A20GATE	C13	GPJ3	DAC3	GPI	CB_SLP_S4#
C2	GPC4	TMRI0/WUI2	GPI	BIOS_DISO#	D9	GPF4	PS2CLK2/WUI20	GPI	GPI2	B13	GPJ4	DAC4/DCD0#	GPI	LVDS_PD#
J10	GPC5	KSO17/SMISO	GPI	BID1	B9	GPF5	PS2DAT2/WUI21	GPI	GPI3	C12	GPJ5	DAC5/RIG0#	GPI	GP_WAKE#
E1	GPC6	TMR1/WUI3	GPI	BIOS_DIS1#	B1	GPF6	SMCLK2/WUI22	GPI	PECI_EC					
M2	GPC7	PWUREQ#	GPI	EC_PWRBTN#	C1	GPF7	SMDAT2/WUI23	GPI	RSMRST_PWRGD#					
E6	GPG0	SSCE1#/TM	GPI											
A5	GPG1	DTR1#/ID7	GPI	SYS_RESET#										

PCH GPIO Pins :

SSCE0#

DSR0#

GPG2

GPG6

E7

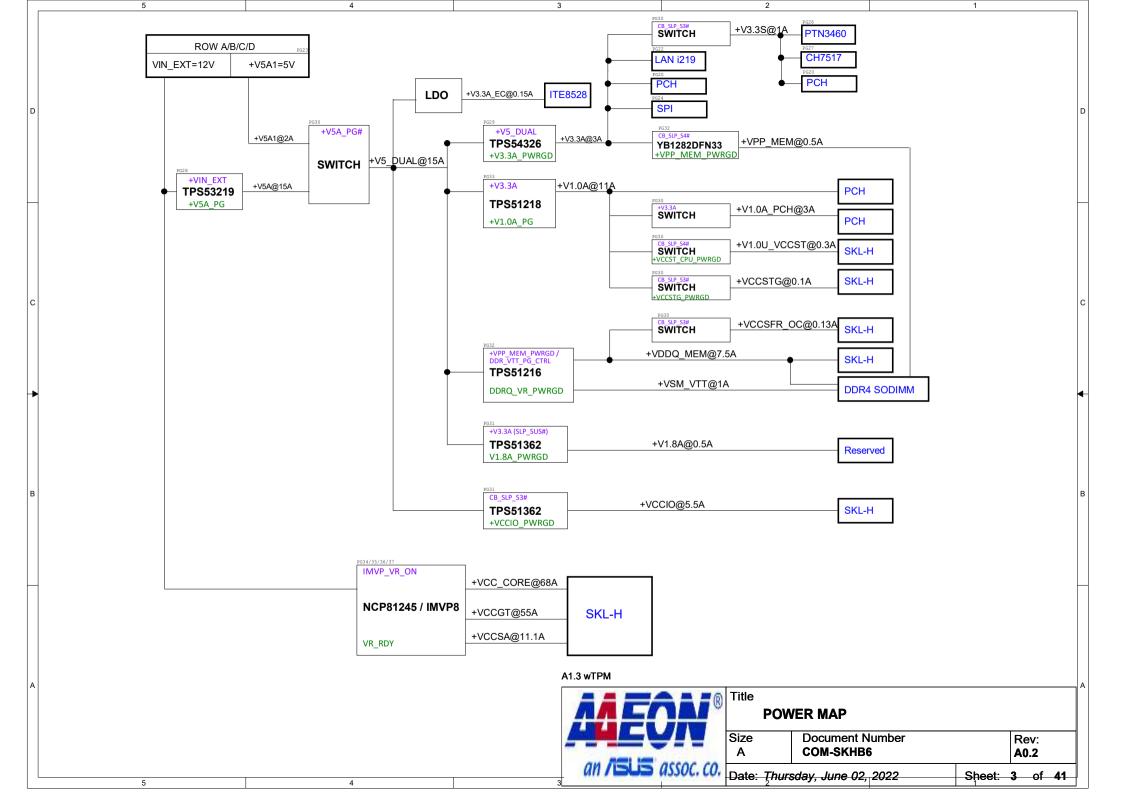
Group	Name	Power Well	Default	GPIO Function
	GPP A0			KBRST
	GPP A1	_		LPC AD0
	GPP A2			LPC AD1
	GPP A3			LPC AD2
	GPP A4			LPC AD3
	GPP A5			LPC FRAME#
	GPP A6			INT SERIRQ
	GPP A7			PIRQA#
	GPP A8	_		PM CLKRUN#
Broup A	GPP A9			PCH CLK LPC0
	GPP A10			PCI CLK EC
	GPP A11			EC LPC PME#
	GPP A12			
	GPP A13			US PWR ACK
	GPP A14			PM SUS STAT#
	GPP A15			SUSACK#
	GPP A16			
	GPP A17~A23			
	GPP B0	_		
	GPP B1			
	GPP B2			SML1 ALERT#
	GPP B3			
	GPP B4			
	GPP B5			CLK PCIE LAN1 REQ#
Froup B	GPP B6~10	Primary Core		
	GPP B11			MPHY EXT PWR GATEB
	GPP B12	3.3V		SLP S0#
	GPP B13			PLT RST#
	GPP B14			HDA SPKR
	GPP B15~22			
	GPP B23			SML1 ALERT#
	GPP C0			SMB CLK
	GPP C1			SMB CLK
	GPP C2			SMB ALERT#
	GPP_C3			SML0_CLK
Group C	GPP_C4			SML0_DATA
	GPP_C5			SML0_ALERT#
	GPP C6			

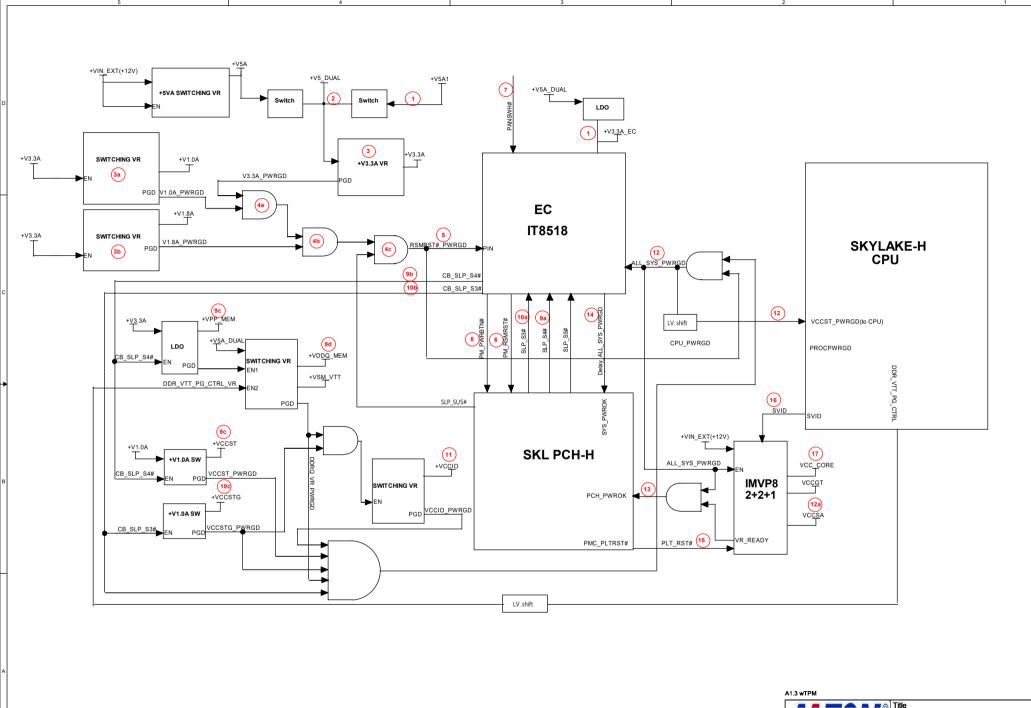
GPI

GPI

PCH GPIO Pins :

Group	Name	Power Well	Default	GPIO Function
	GPP D0~8			
l l	GPP D9			SLEEP#
i	GPP D10	Deep Sleep Power		LID#
Group D	GPP D11			PCIE CPPE0#
	GPP D12	3.3V		PCIE CPPE1#
	GPP_D13~16			
l l	GPP_D17~D23			
	GPP E0~3			
i	GPP E4			SCI#
i i	GPP E5			SMI#
1	GPP E6~7			
Group E	GPP_E8			SATA_LED#
- 1	GPP E9			USB OC# 0 1
i i	GPP E10			USB OC# 2 3
i i	GPP E11			USB OC# 4 5
i i	GPP E12			USB OC# 6 7
	GPP_F0~14			
1	GPP F15			
	GPP_F16			
[GPP_F17			
Group F	GPP F18			
	GPP_F19			EDP_VDD_EN
i i	GPP F20			EDP BKLT EN
[GPP_F21			EDP_BKLT_CTRL
	GPP_F22~23	Primary Core		
Group G	GPP G0~23			
Group H	GPP_H0~23	3.3V		
	GPP I0			DPB HPD
	GPP_II			DPC_HPD
	GPP_12			DPD_HPD
[GPP_I3			
	GPP_I4			DP_HPD
l l	GPP 15			DPB CTRLCLK
Group I	GPP 16			DPB CTRLDATA
[GPP_I7			DPC_CTRLCLK
[GPP_I8			DPC_CTRLDATA
[GPP_I9			DPD_CTRLCLK
i	GPP 110			DPD CTRLDATA





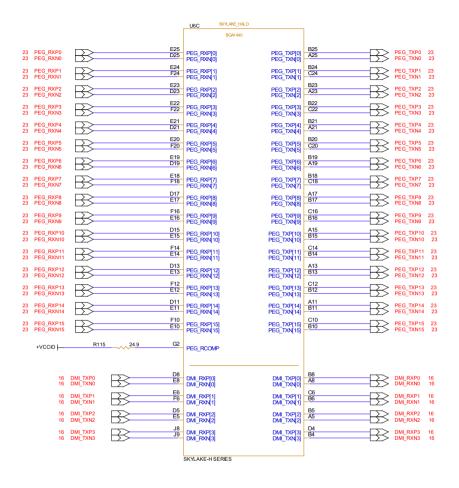
Power Sequence

Size Document Number Custom COM-SKHB6

Date: Thursday, June 02, 2022 Sheet: 4 of 41

4

SKYLAKE-H BGA PROCESSOR (DMI/PEG)



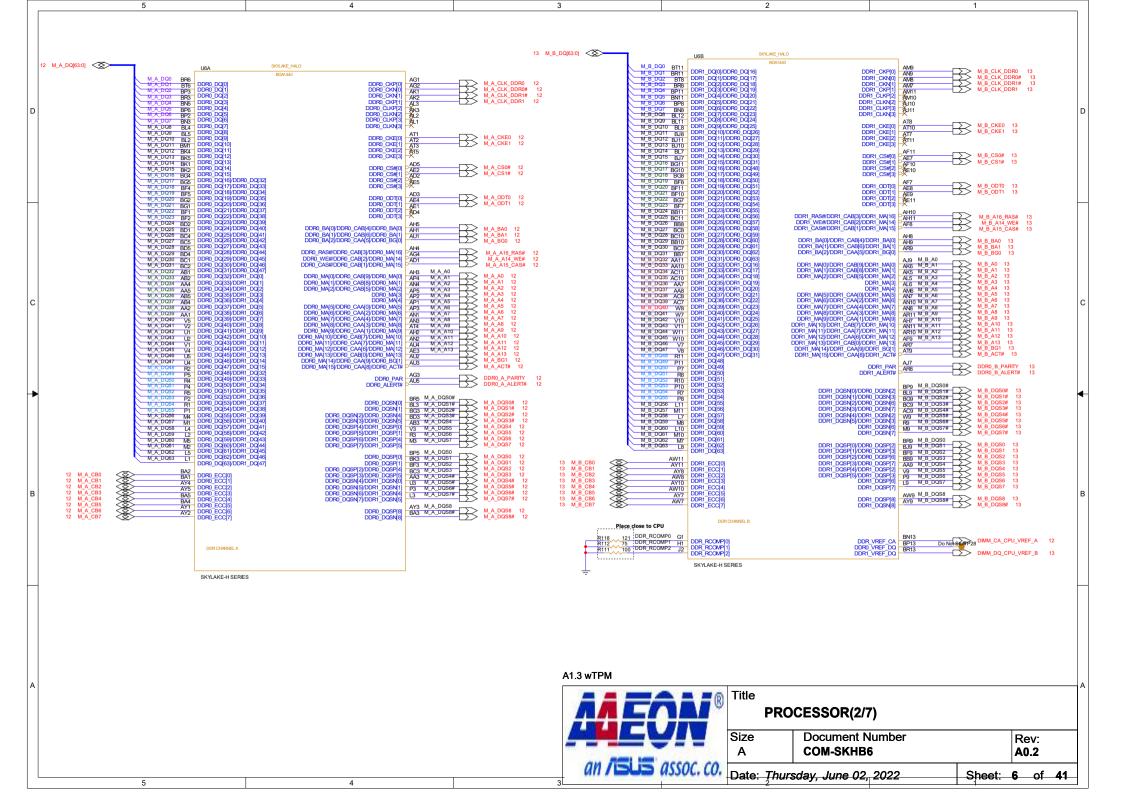
A1.3 wTPM

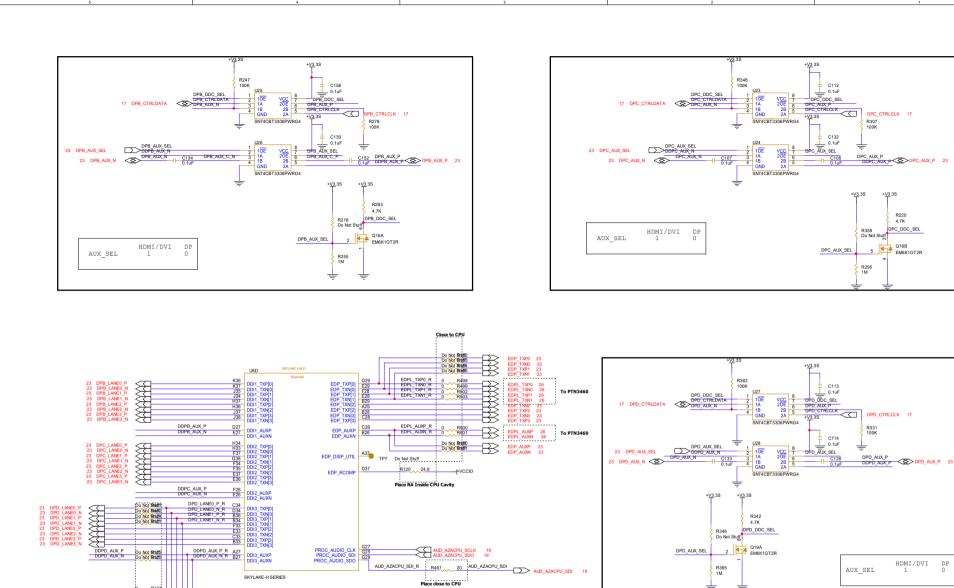


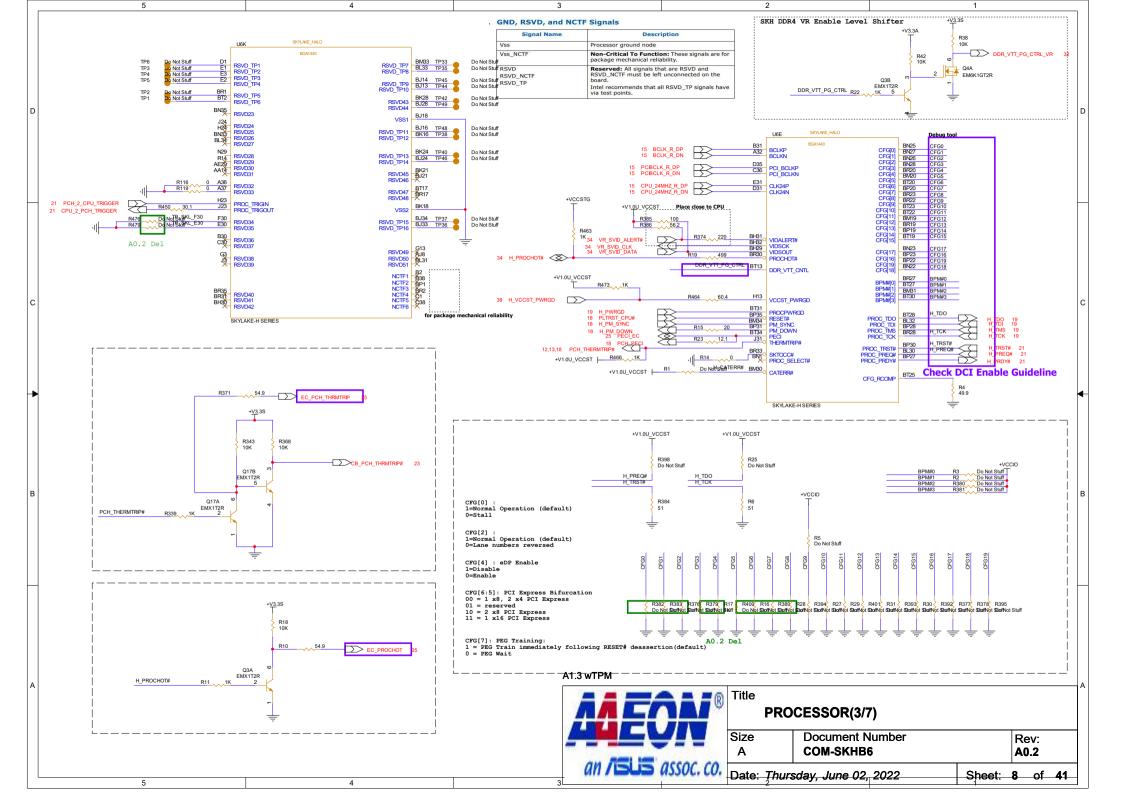
PROCESSOR(1/7)

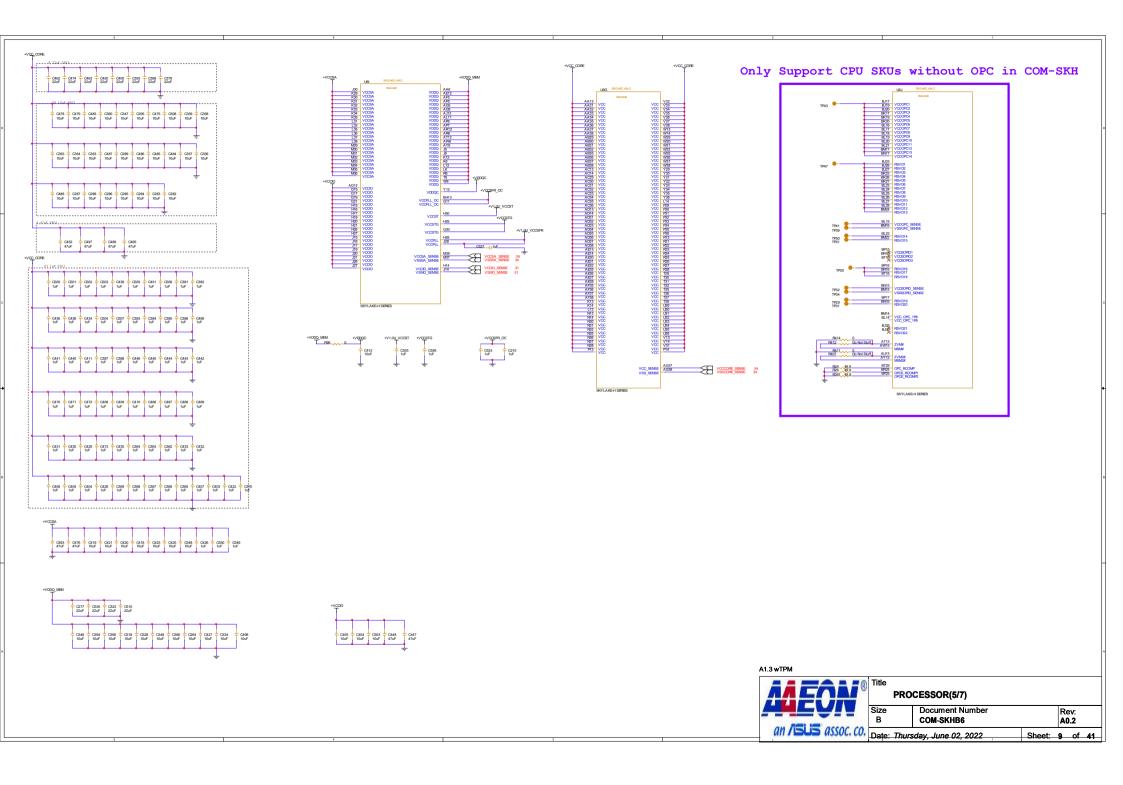
Document Number Rev: **COM-SKHB6** A0.2

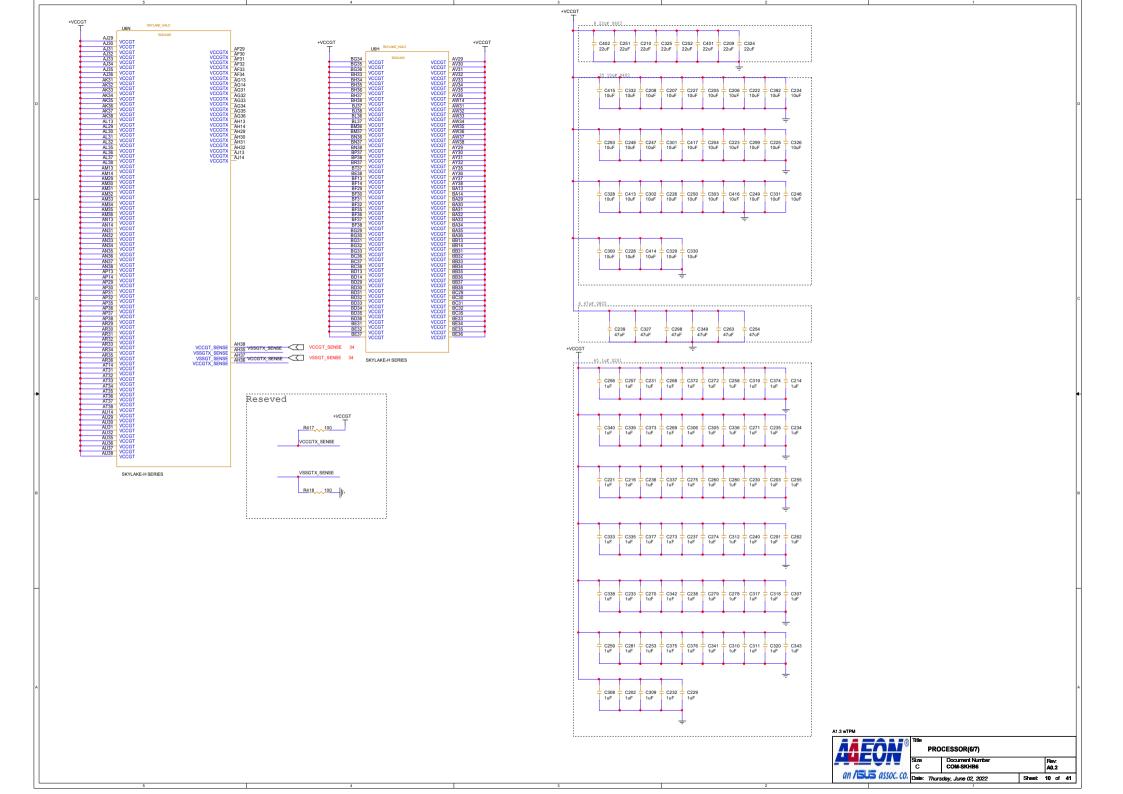
Sheet: 5 of 41

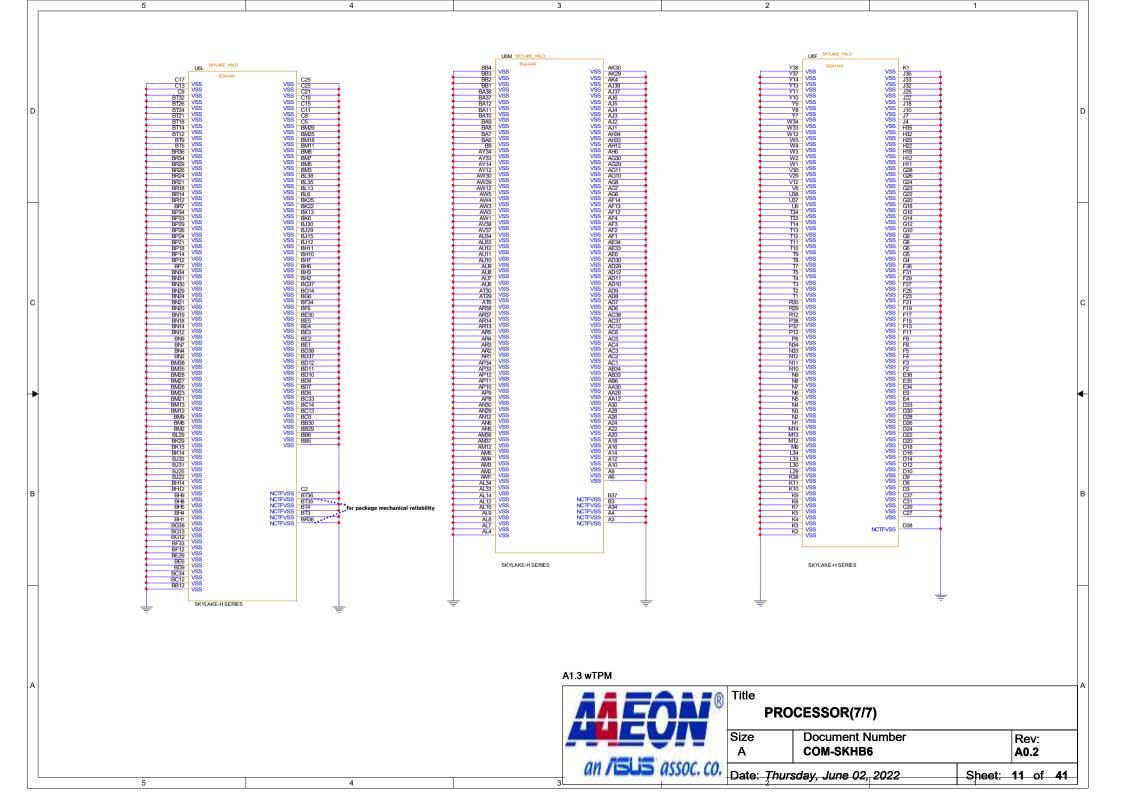


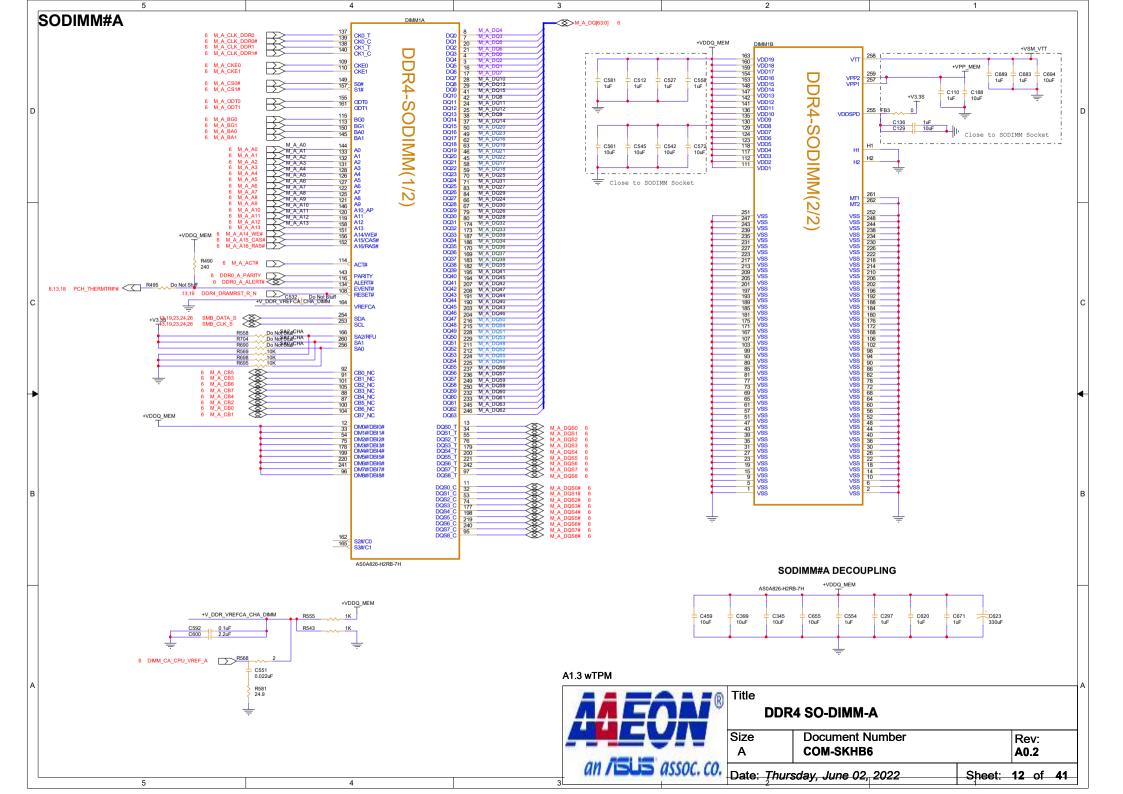


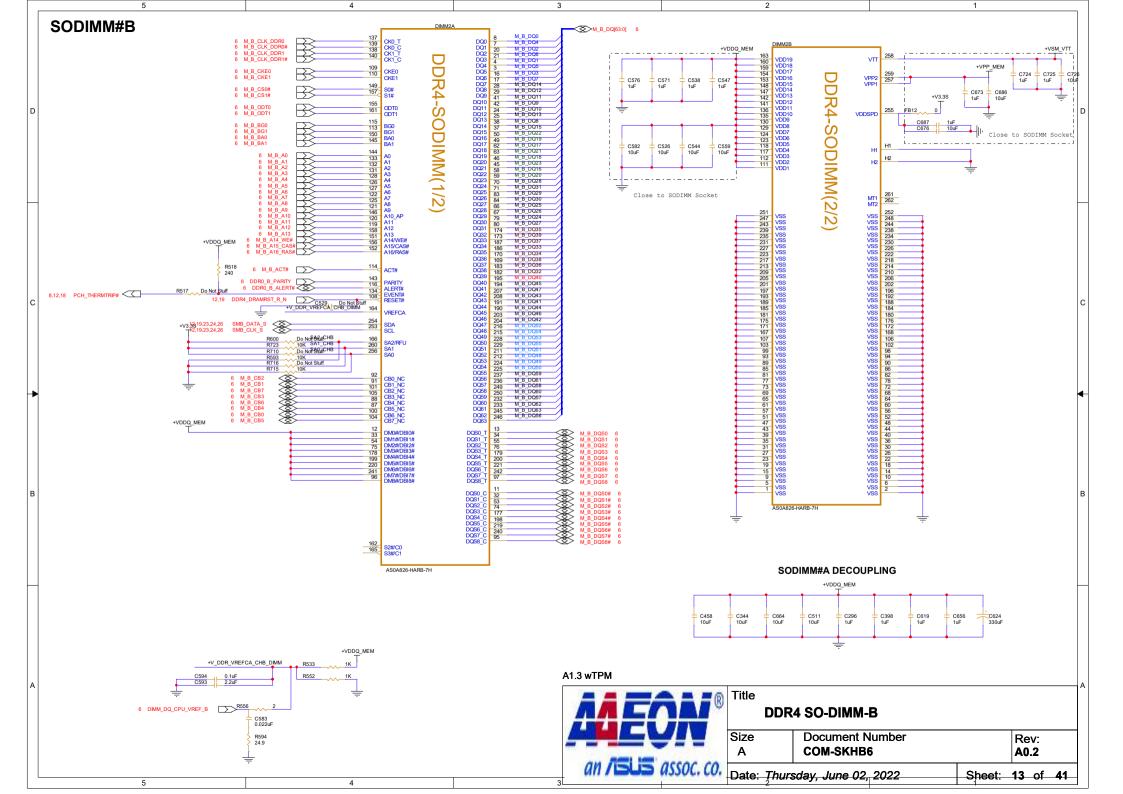


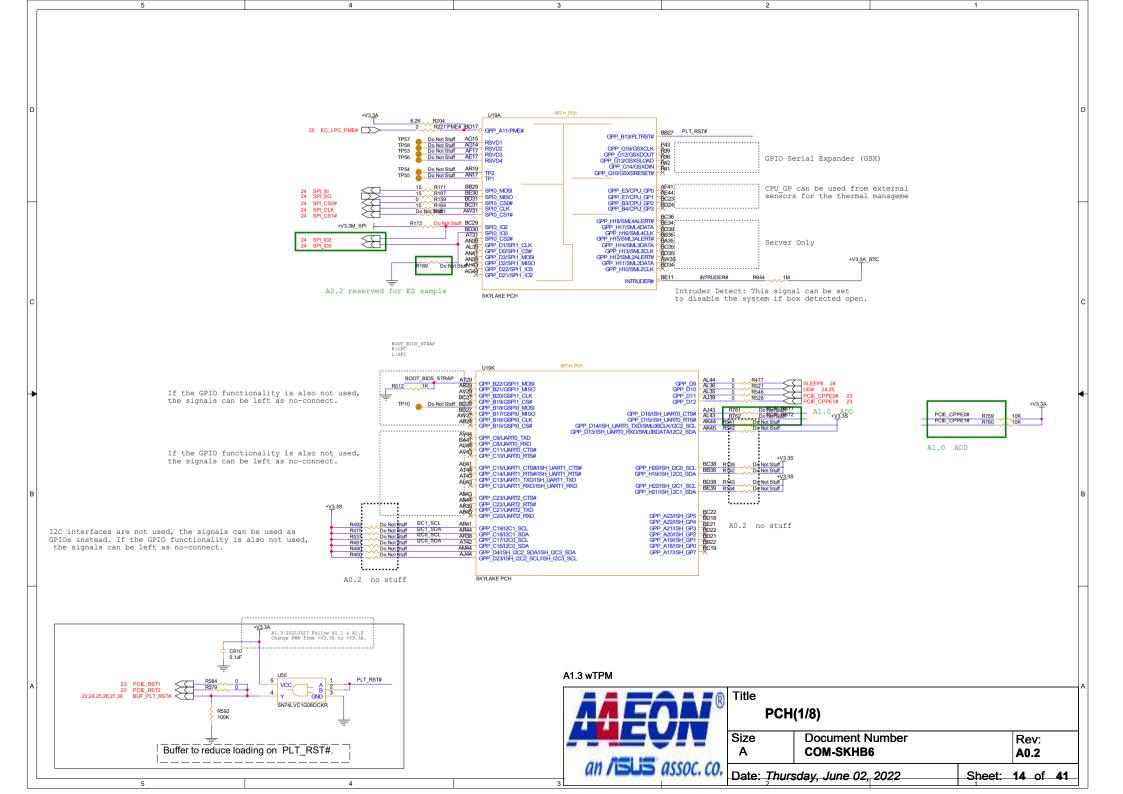


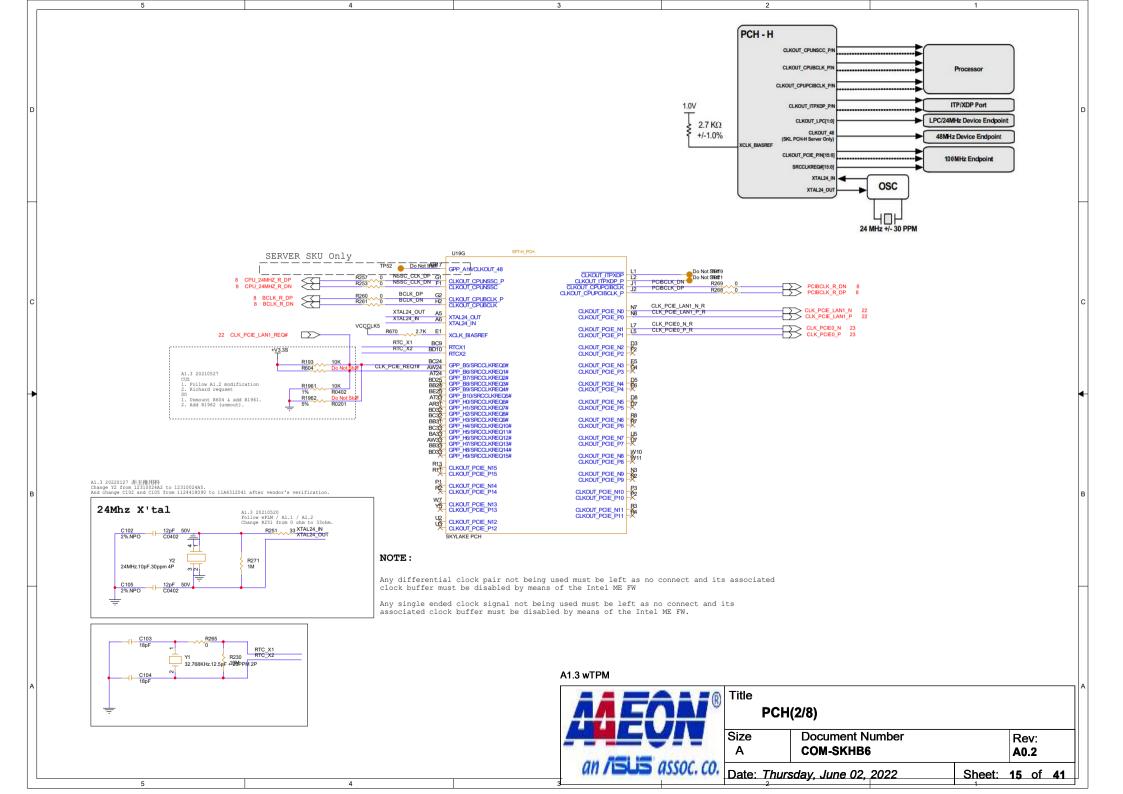


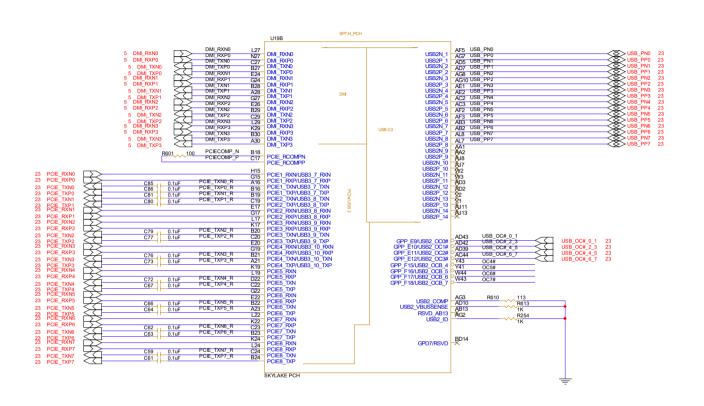


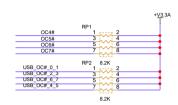




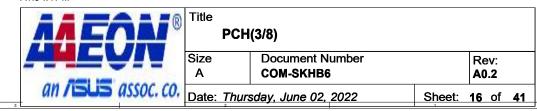


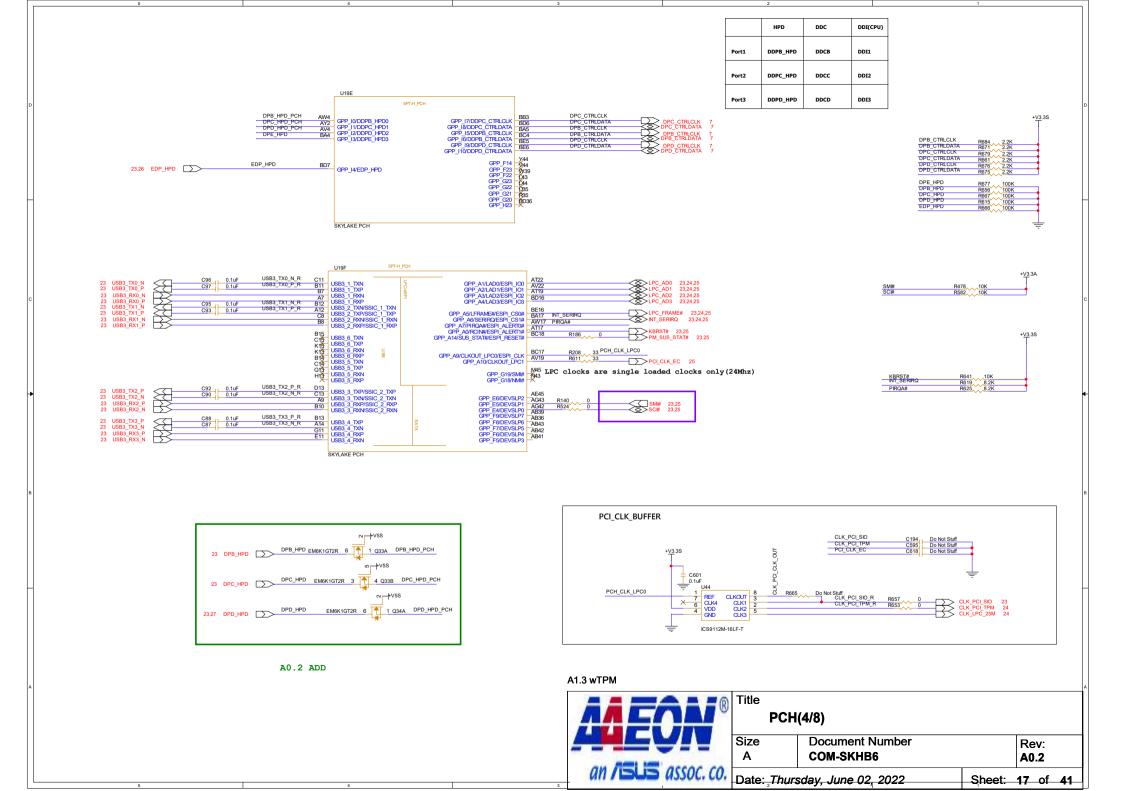




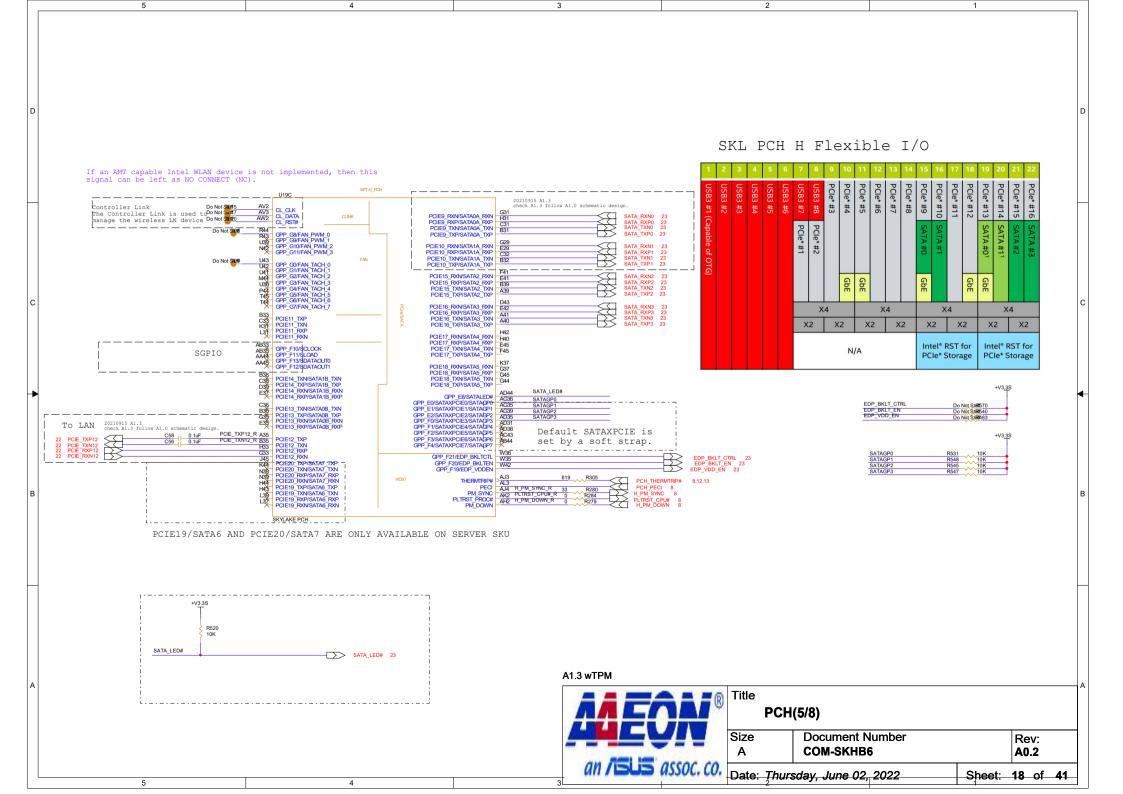


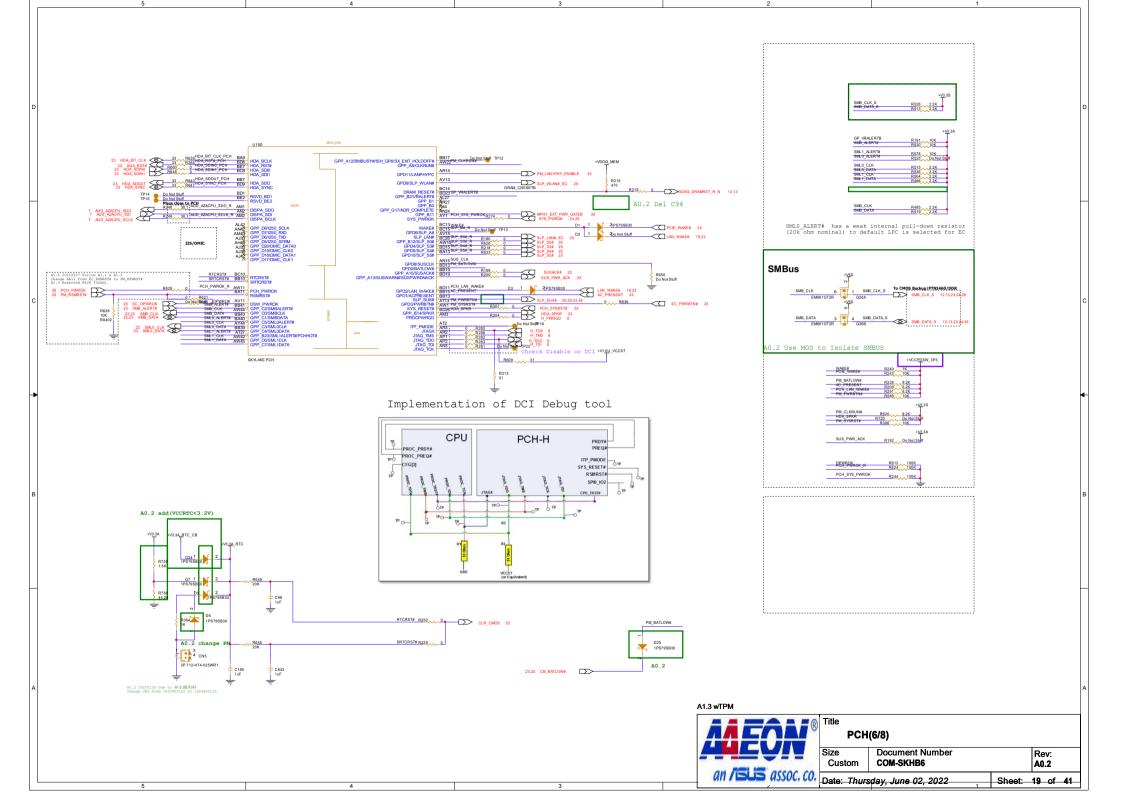
A1.3 wTPM

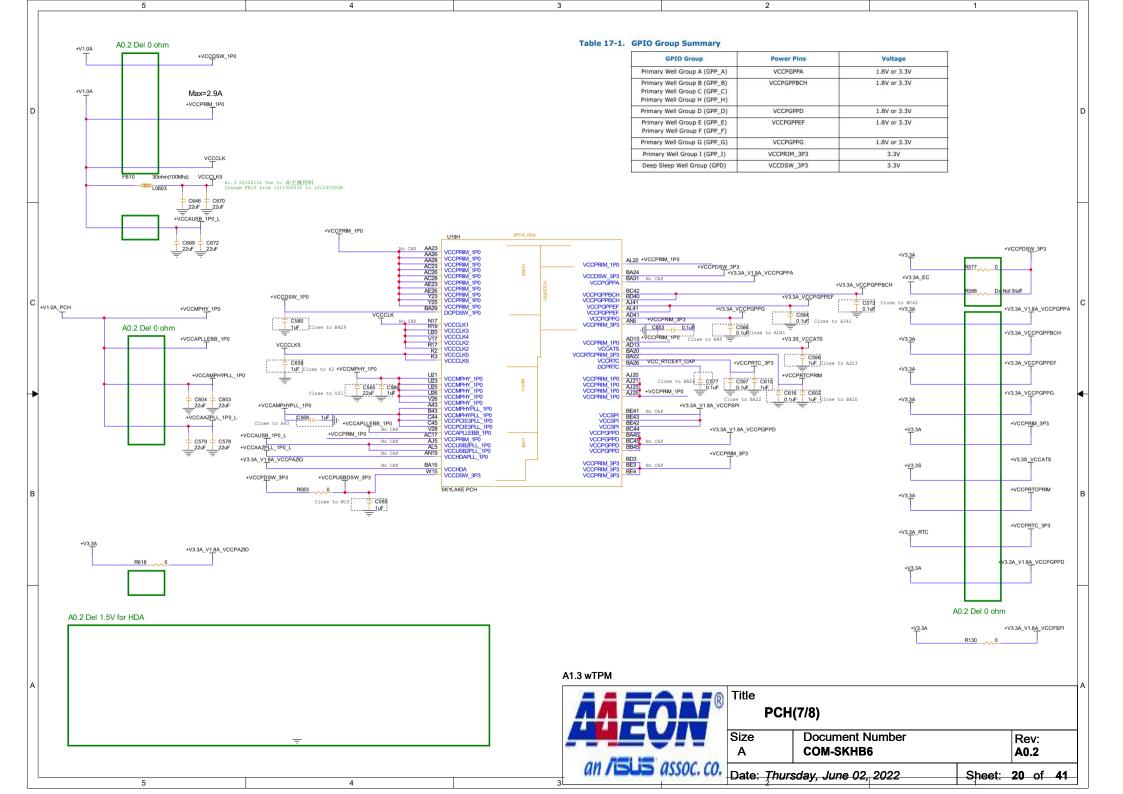


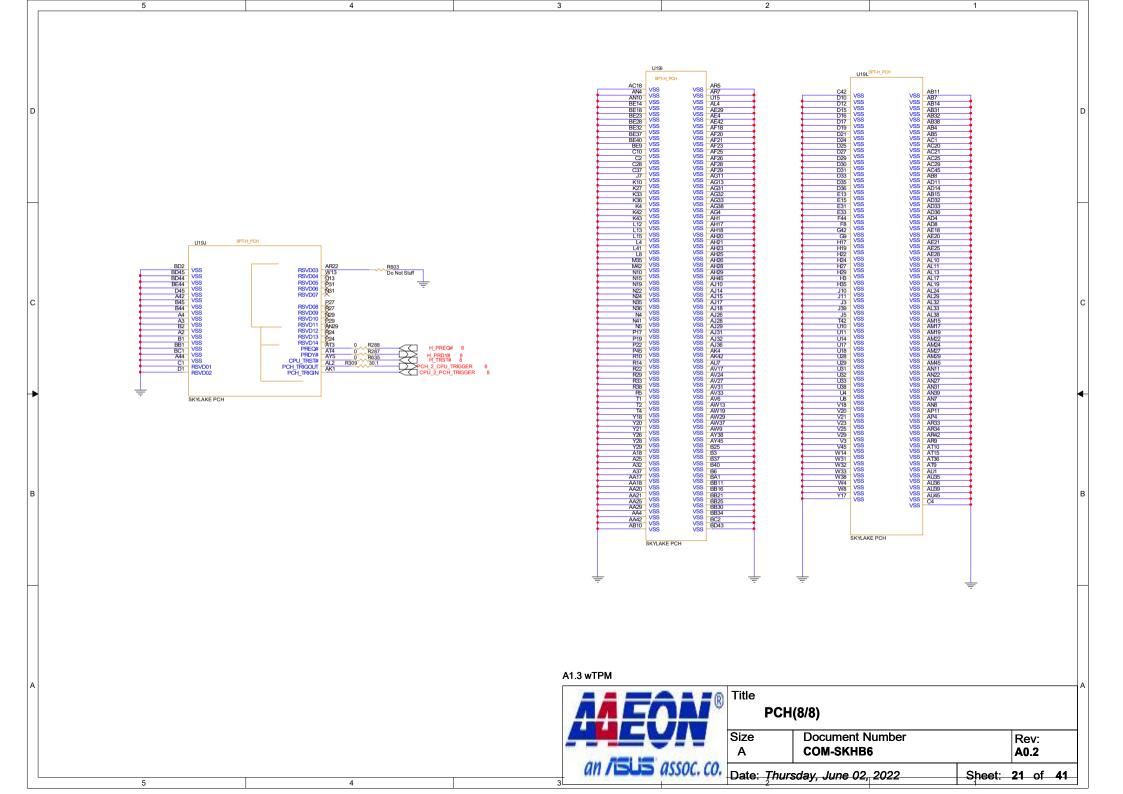


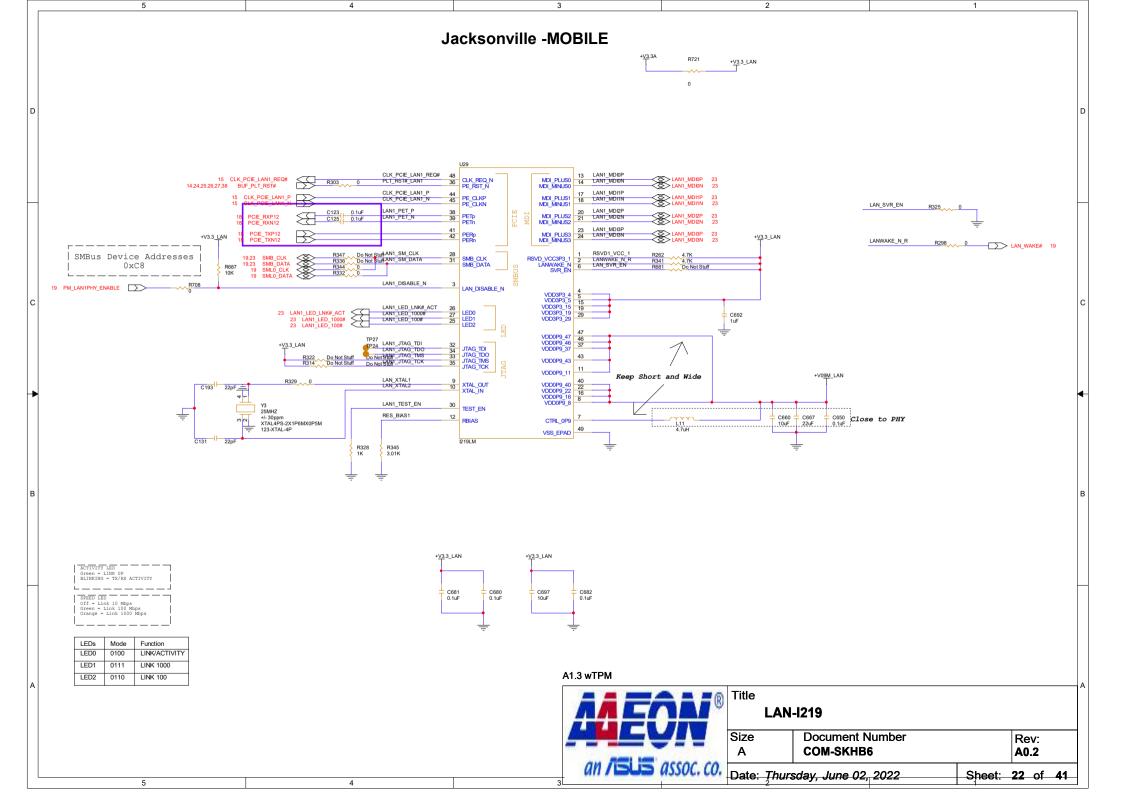
Sheet: 17 of 41

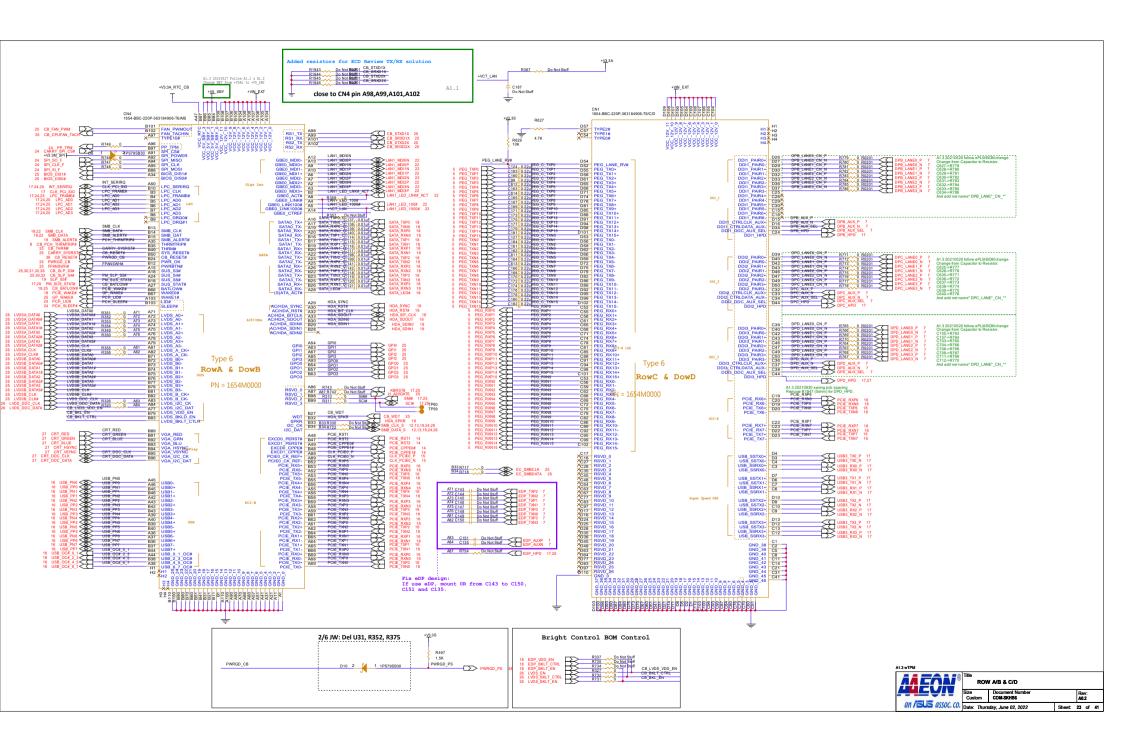


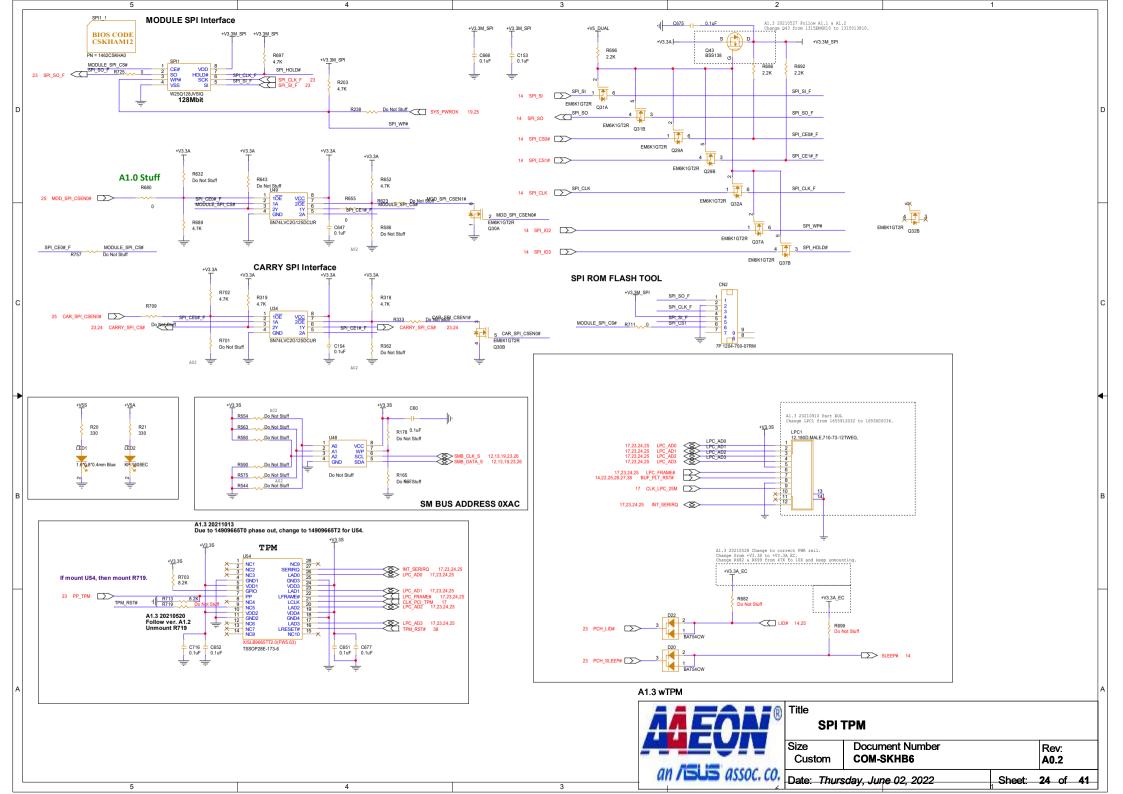


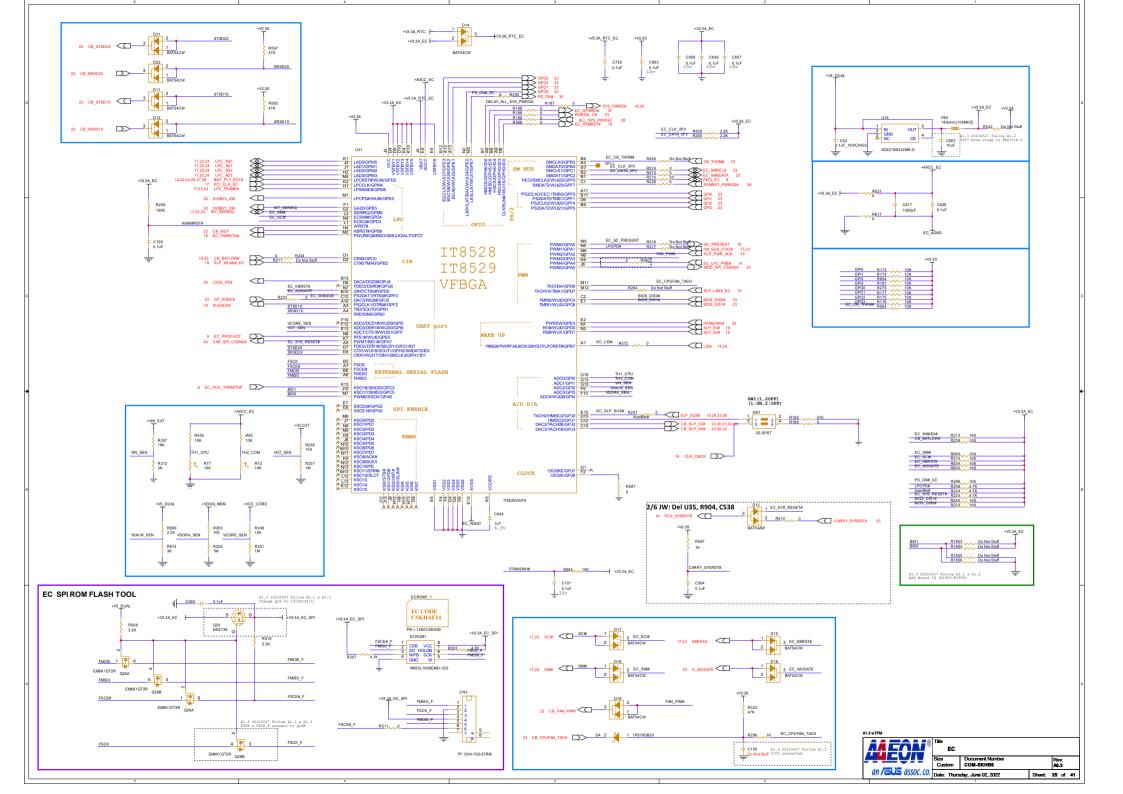


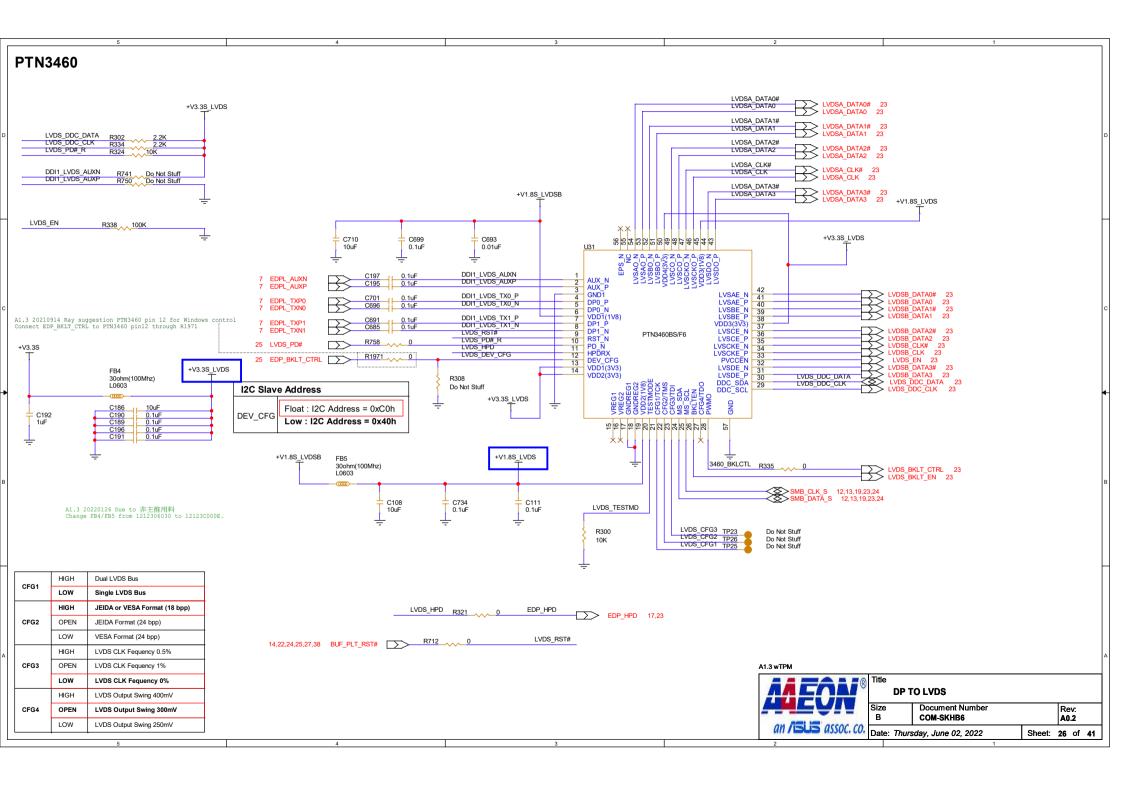


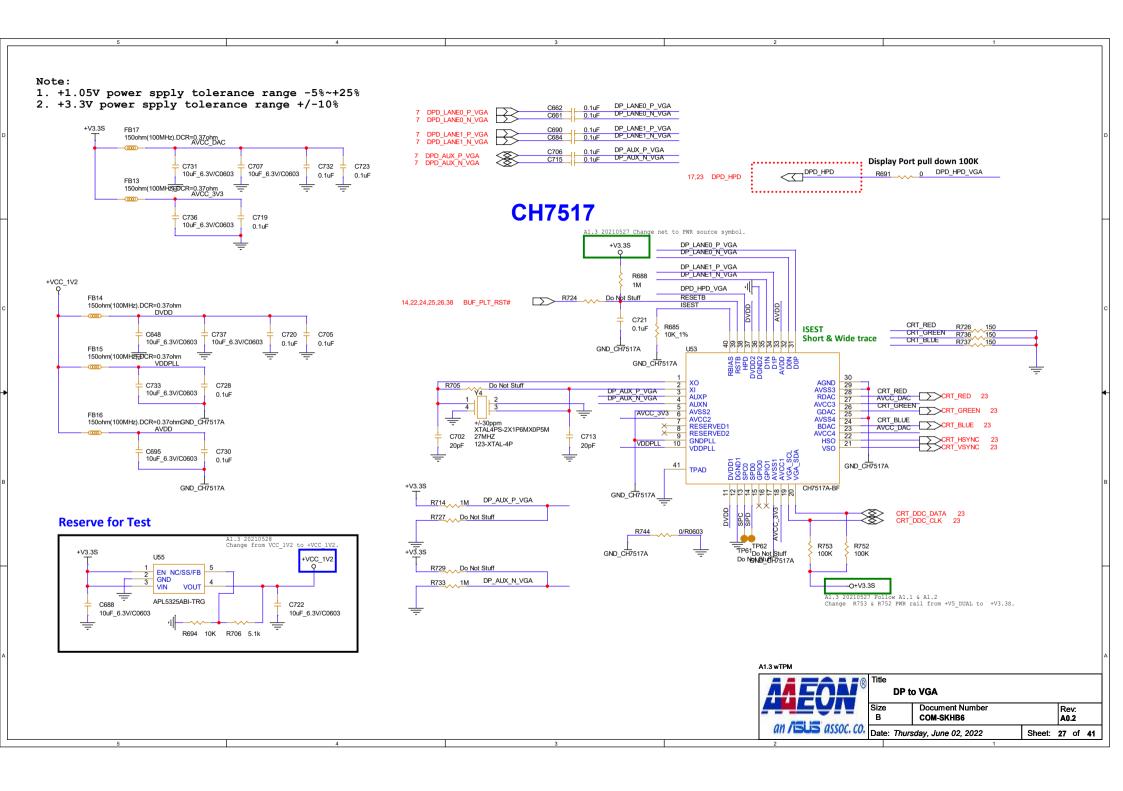


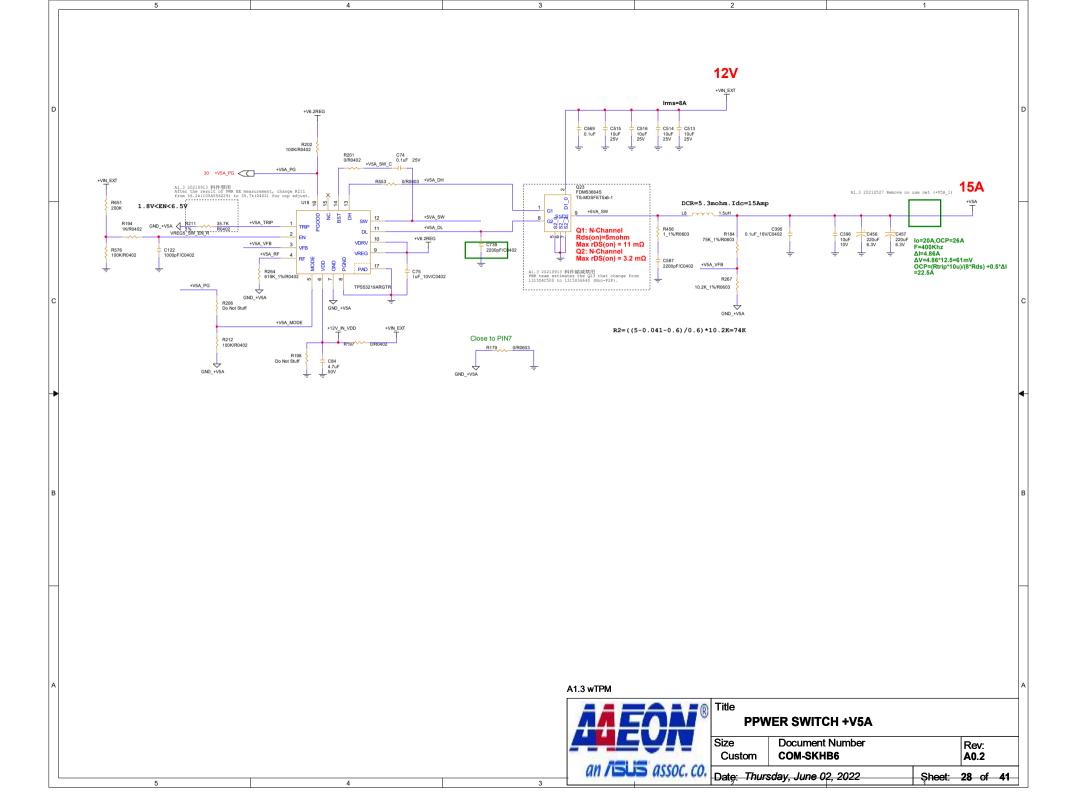


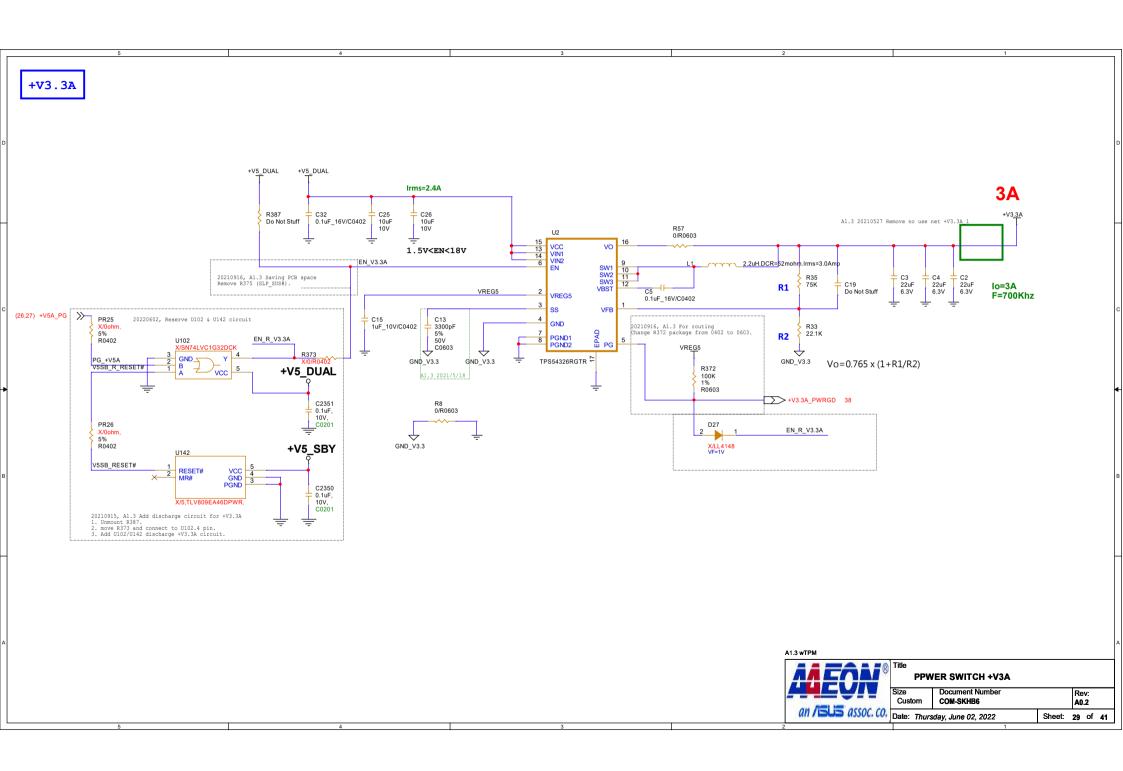


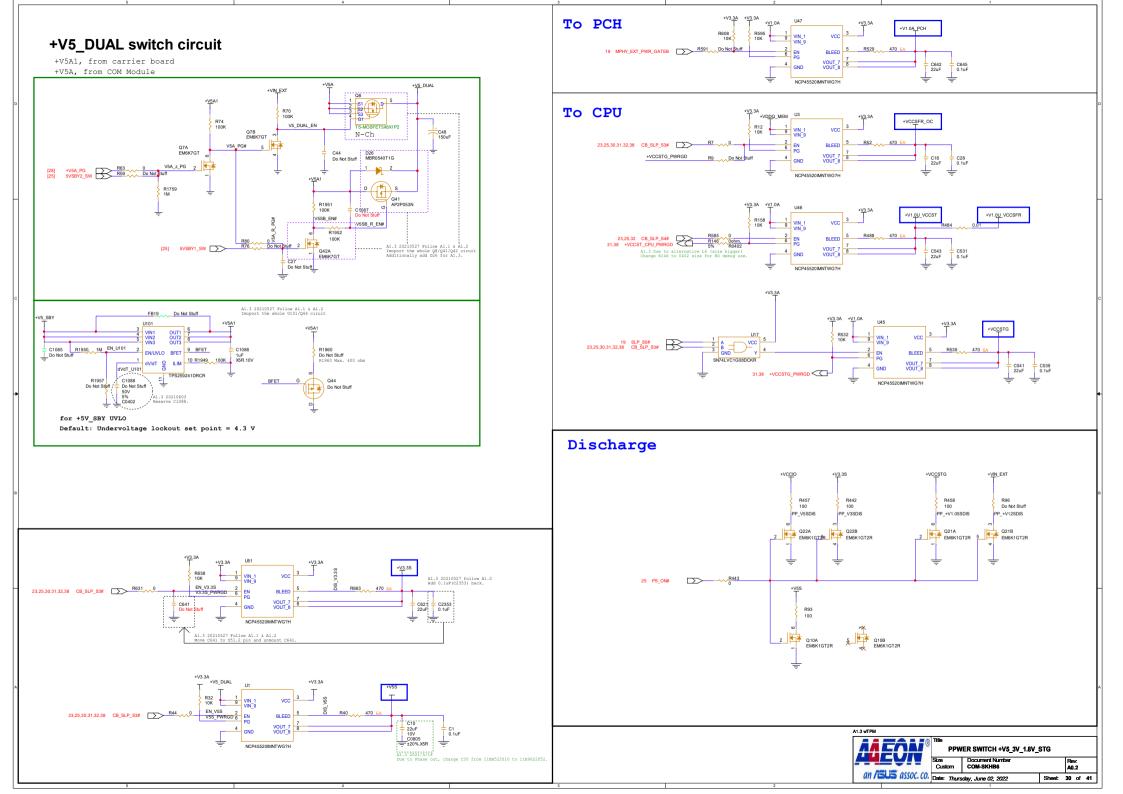


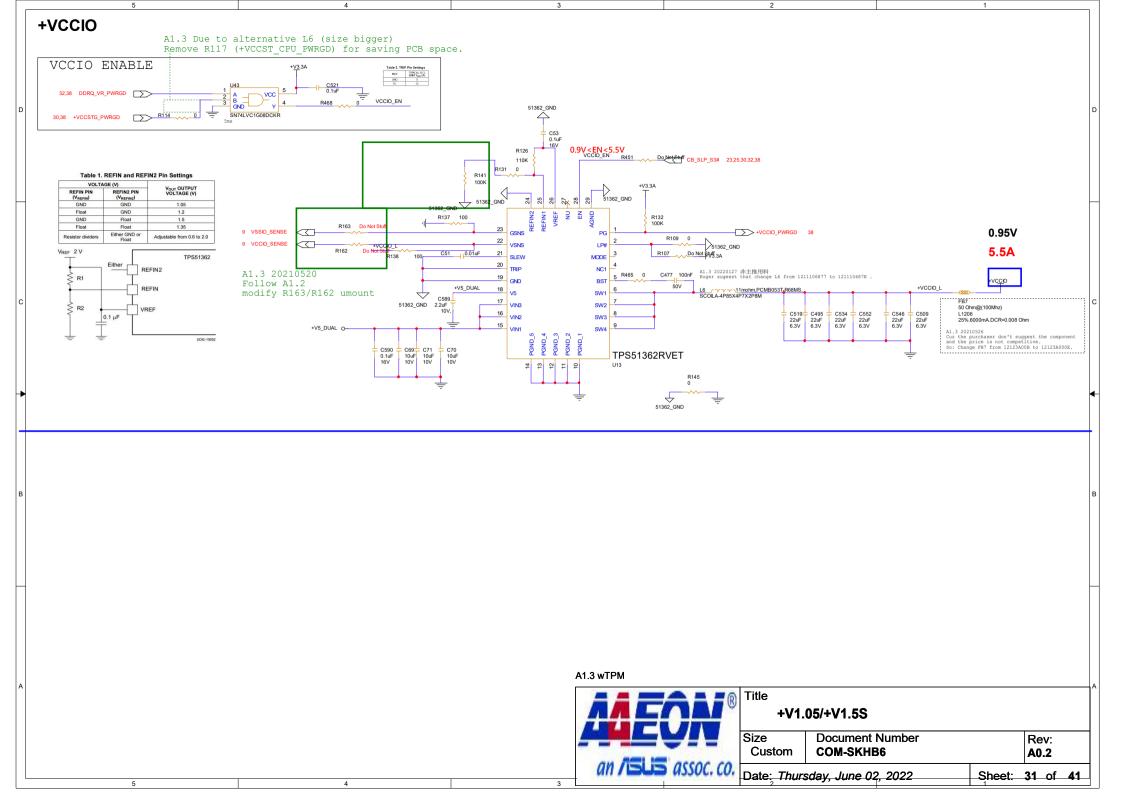


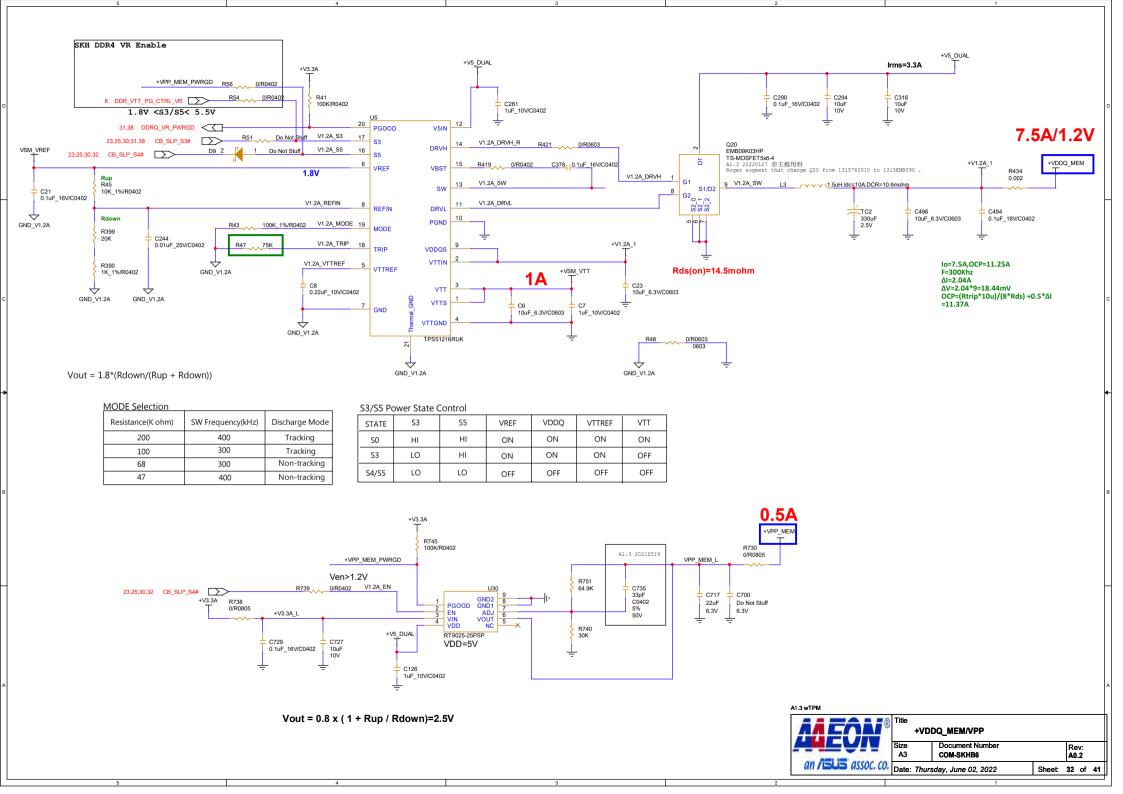


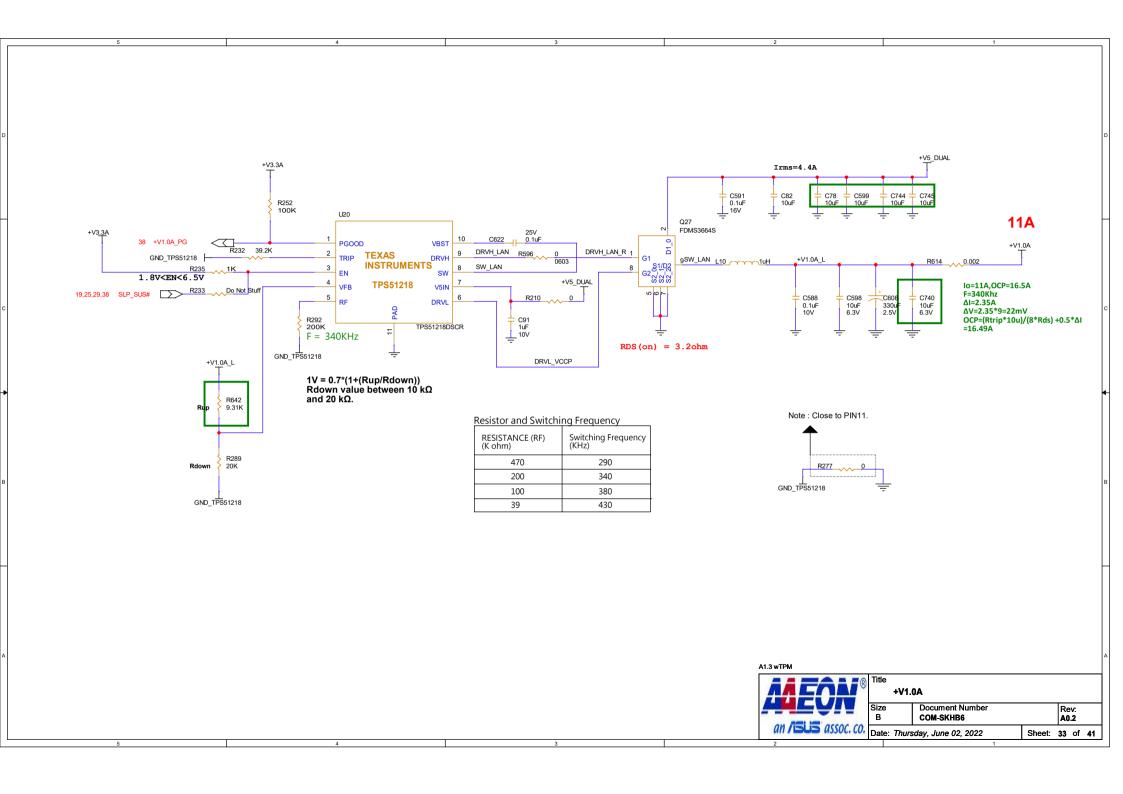


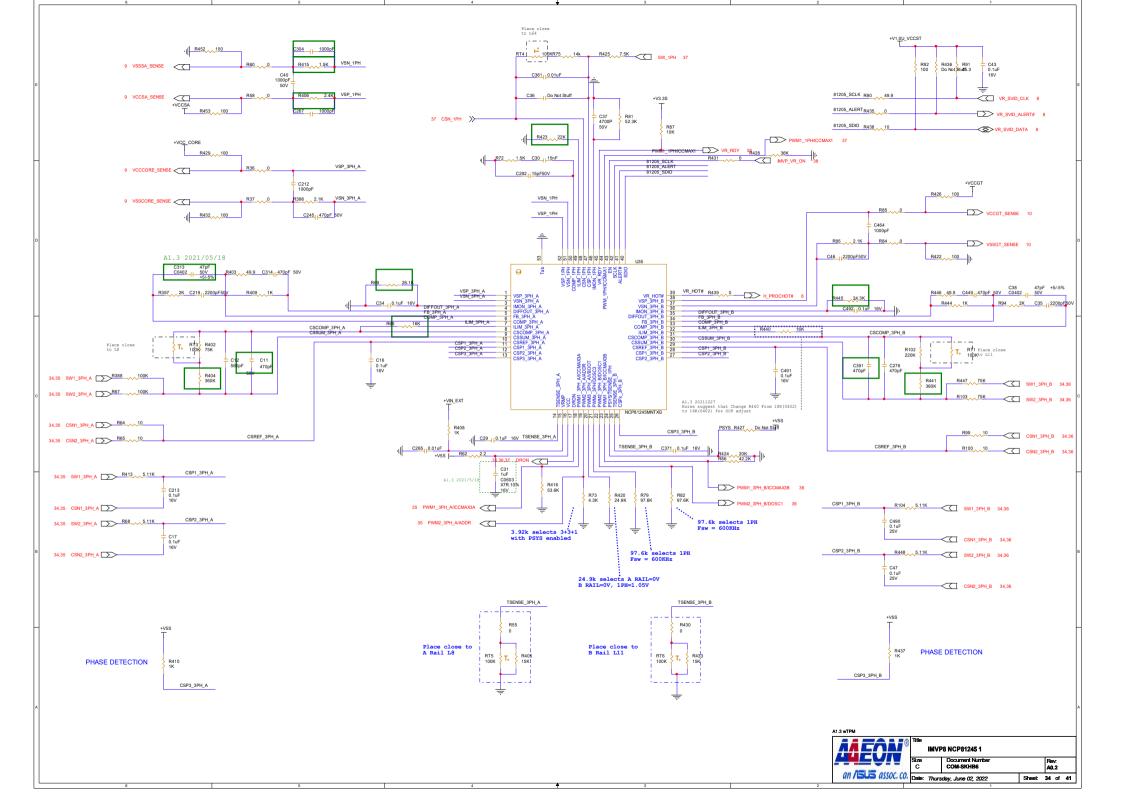


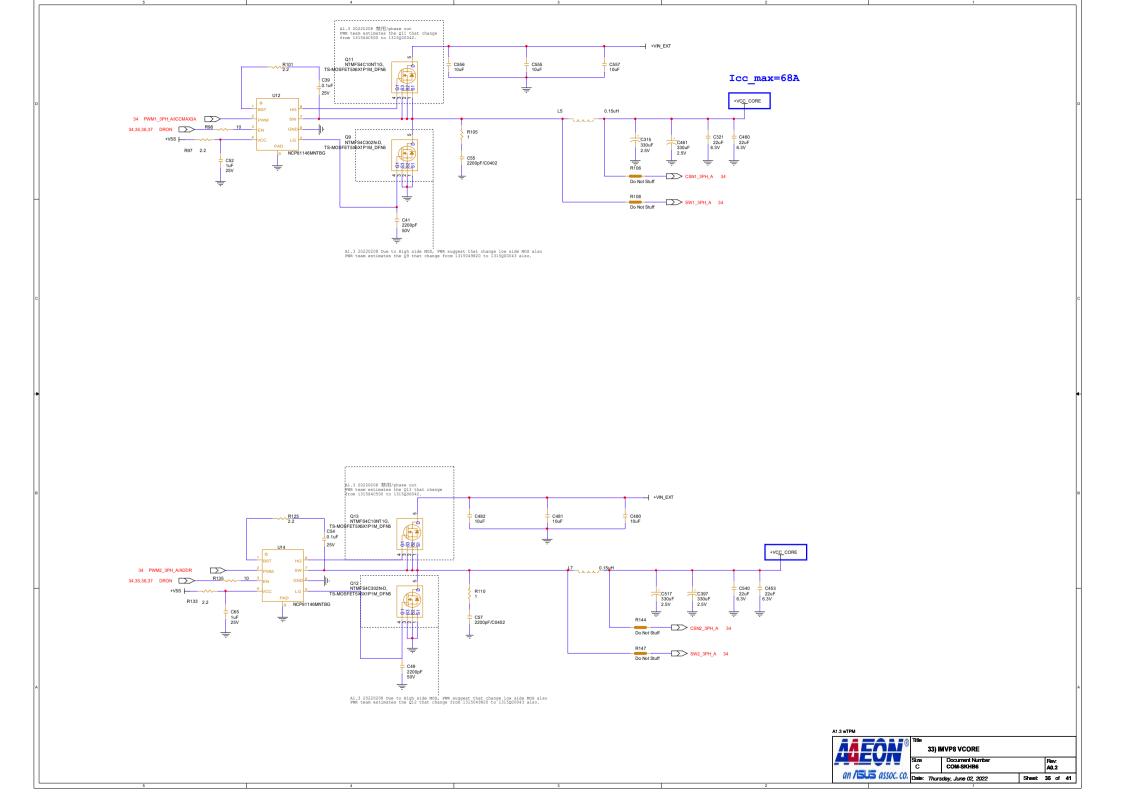


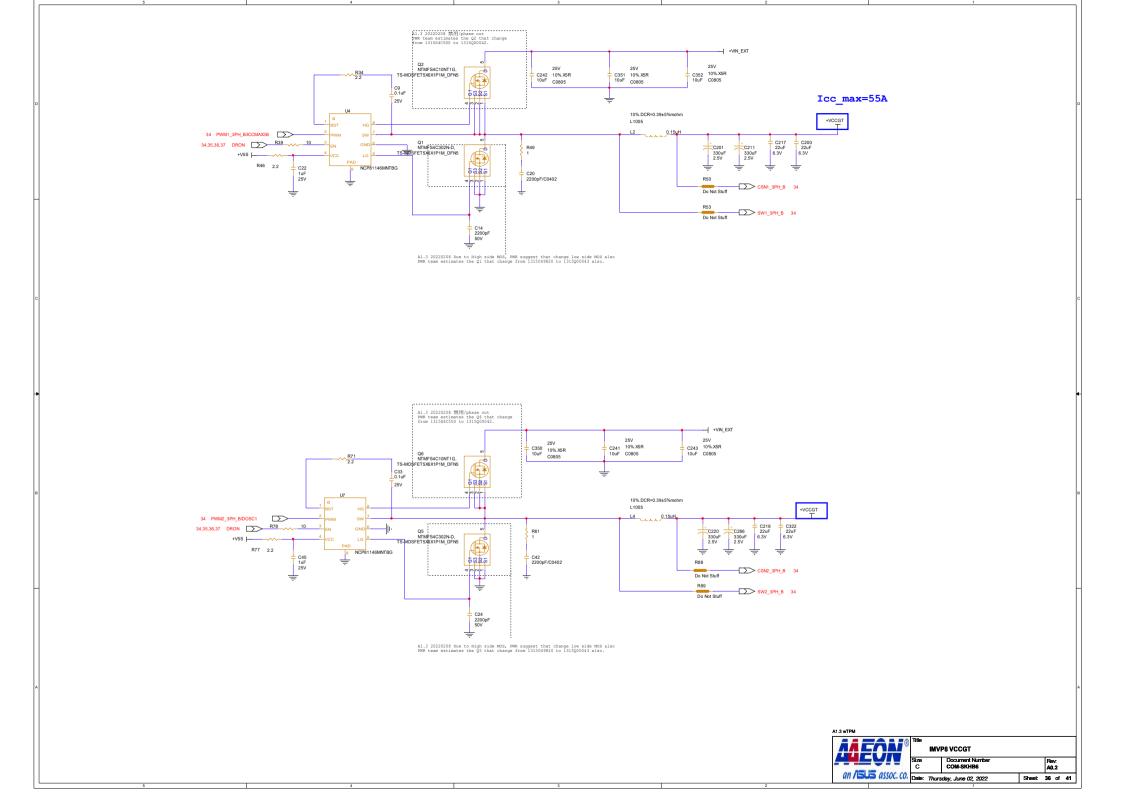


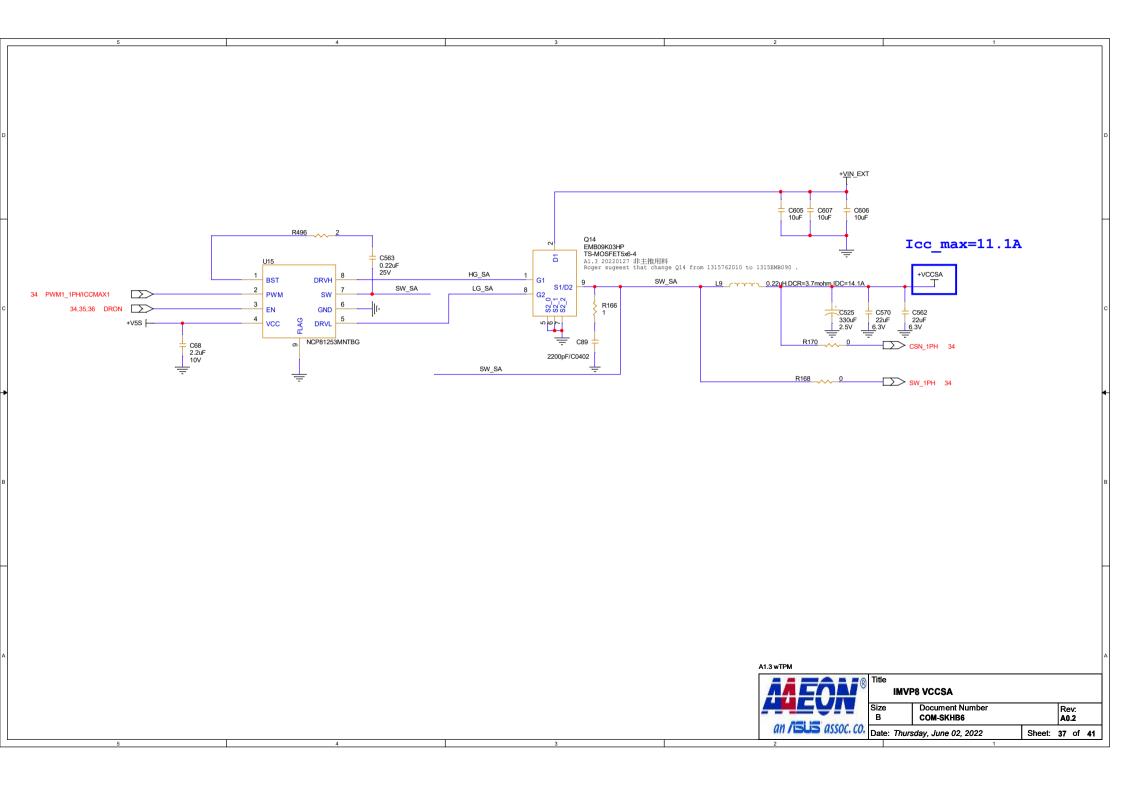


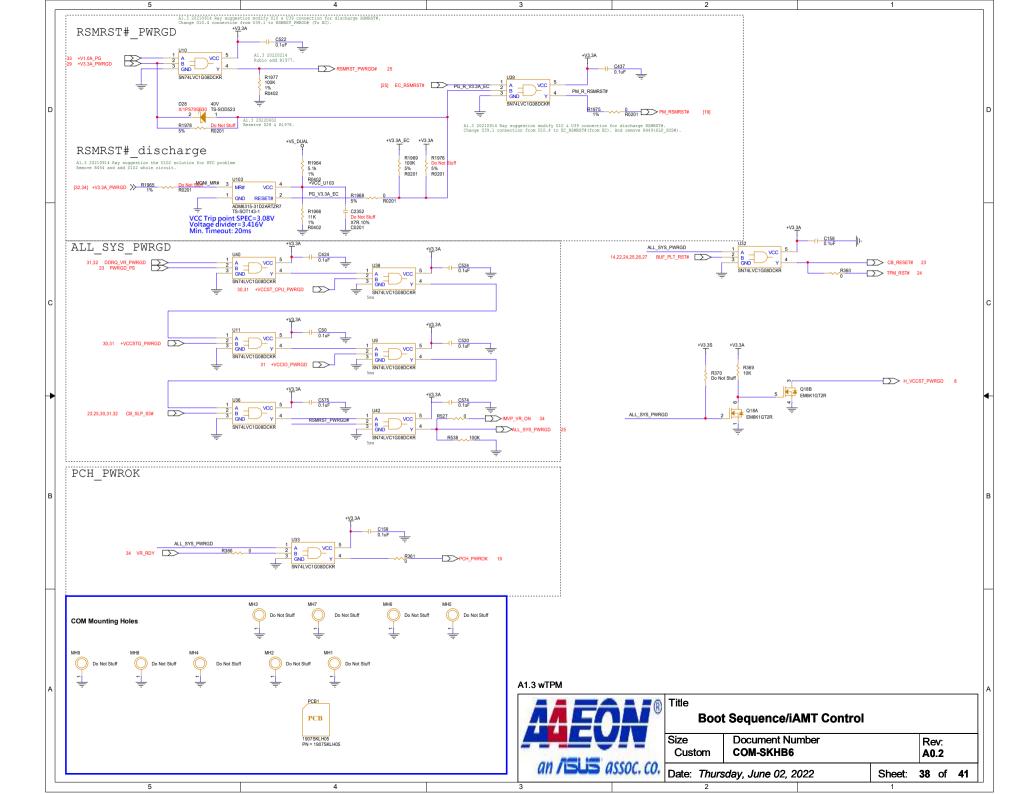












COM-SKHB6 Revision History

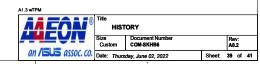
01. Project code: TBD
02. Model name: COM-SKHB6
03. Model revision: A1.3_0_0
04. 96-Level: TBD
05. PCB P/N: 1907SKLH05
06. PCB thickness: 2.0 mm
07. PCB stackup: 12 Layer
08. Panelization: TBD
09. PCB VIA: NON-HDI
10. Material: TBD
11. PCB Dimension: TBD

*U19 is PCH. Must modify the BOM when create BOM. *U6 is CPU. Must modify the BOM when create BOM.

Revision History

Page 1

Item	Page#	Title	Date	Request Owner	Issue Description	Solution Description	Rev.	Bug ID
1		First Release	2015/	HW			A1.0	
2	30	Phase Out	2021/05/18	HW	The part is phase out.	Change C10 from 11EB522010 to 11E9622052.	A1.3	
3		ePLM	2021/05/18	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 1121501691 to 1121501690 for C5, C21, C32, C83, C290, C378, C395, C494, C591, C661, C662, C684, C690, C705, C706, C715, C719, C720, C721, C723, C726, C729, C722, C723, C728, C729, C722, C723, C724, C723, C724	A1.3	
4		ePLM	2021/05/18	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 11E9610080 to 1129610080 for C6,C23,C496,C598,C740.	A1.3	
5		ePLM	2021/05/18	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 11E9501091 to 11EB501040 for C7.015.C75,C91.C98.C110.C126.C136.C185,C192.C261, C296.C297.C398.C246.C1512.C527.C538.C547.C549.C550.C554.C558.C568.C568.C571.C576.C581.C585.C596.C596.C563.C563.C563.C563.C563.C563.	A1.3	
6		ePLM	2021/05/18	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 11E9522790 to 1129522790 for C8.	A1.3	
7		ePLM	2021/05/18	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 1124533282 to 11A4433180 for C13.	A1.3	
8		ePLM	2021/05/18	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 11C1501080 to 11C1501030 for C31.	A1.3	
9		ePLM	2021/05/18	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 1129747091 to 1129747090 for C38,C313.	A1.3	
10		ePLM	2021/05/18	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 1129710391 to 1129710390 for C122,C212,C464	A1.3	
11		ePLM	2021/05/18	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 1129701791 to 1129701790 for C244,C265,C361,C693.	A1.3	
12		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 11C4547140 to 1124547190 for C276,C391	A1.3	
13		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 11E4433090 to 1124433090 for C735.	A1.3	
14		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 1651526001 to 16515X0003 for DIMM2	A1.3	
15		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 12123A0009 to 12123A000E for FB7. 非主推用料/價格不具優勢	A1.3	
16		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 121112207G to 1211122079 for L1.	A1.3	
17		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 1907SKLH01 to 1907SKLH05 for PCB1.	A1.3	
18		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 1050539214 to 1050504324 for R73.	A1.3	
19		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Keeping PR1, PR2 are 1540782282.	A1.3	
20		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 1462001280 to 1462001282 for SPI1. BIOS PN:1462CSKH40	A1.3	



COM-SKHB6 Revision History

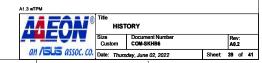
01. Project code: TBD
02. Model name: COM-SKHB6
03. Model revision: A1.3_0_0
04. 96-Level: TBD
05. PCB P/N: 1907SKLH05
06. PCB thickness: 2.0 mm
07. PCB stackup: 12 Layer
08. Panelization: TBD
09. PCB VIA: NON-HDI
10. Material: TBD
11. PCB Dimension: TBD

*U19 is PCH. Must modify the BOM when create BOM. *U6 is CPU. Must modify the BOM when create BOM.

Revision History

Page 2

Item	Page#	Title	Date	Request Owner	Issue Description	Solution Description	Rev.	Bug ID
21		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 144SKLPCH0 to 1440QM1700 for U19.	A1.3	
22		ePLM	2021/05/19	HW	Follow the ePLM BOM of 96975KLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 14S9346000 to 14S9346001 for U31.	A1.3	
23		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 14407517A0 to 14407517A1 for U53.	A1.3	
24		ePLM	2021/10/13	HW	Due to orignal part phase out and optional function.	Change from 14909665T0 to 14909665T2 for U54.	A1.3	
25		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 14S3010700 to 1430053251 for US5	A1.3	
26		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 12310025A5 to 1231X00003 for Y3	A1.3	
27		ePLM	2021/05/19	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Change from 12310027A3 to 1231X00004 for Y4	A1.3	
28	Page 23	ePLM	2021/05/20	HW	Follow the ePLM BOM of 96975KLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	***ePLM BOM change from Capaciotr to Resistor. Change from 12310027A3 to 1058700009. so change C155-S-R763 C157-S-R764 C703-SR766 C704-SR766 C708-SR768 C709-SR767 C711-SR769 C712-SR770 C825-SR778 C835-SR778 C835-SR771 C835-SR771 C835-SR772 C837-SR773 C838-SR772 C837-SR773 C838-SR774 C839-SR776 C829-SR781 C839-SR778 C839-SR778 C839-SR778 C839-SR778 C839-SR778 C829-SR780 C829-SR780 C829-SR780 C829-SR780 C829-SR780 C839-SR780 C839-SR780 C839-SR782 C831-SR782 C831-SR782 C831-SR782 C831-SR784 C833-SR786 And add net name DPD_LANE*_CN_*, DPC_LANE*_CN_*, DPB_LANE*_CN_*	A1.3	
29		ePLM	2021/05/20	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Confirm with Jeff C. that R757 change to unmount. ePLM R757 mount ver. A1.1 R757 unmount ver. A1.2 R757 unmount	A1.3	
30		ePLM	2021/05/20	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Confirm with Jeff C. that Q37 change to mount. ePLM Q37 unmount ver. A1.1 Q37 mount ver. A1.2 Q37 mount	A1.3	
31		ePLM	2021/05/20	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Follow ver. A1.2 that umount R162,R163,R719	A1.3	
32		ePLM	2021/05/20	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Follow ePLM / A1.1 / A1.2 Change R251 from 0 ohm to 33ohm.	A1.3	
33		ePLM	2021/05/20	HW	Follow the ePLM BOM of 9697SKLH05-S to change the parts. Standard P/N: COM-SKHB6-A10-0001	Follow ePLM BOM modification and change from SW1 to SW1(1,2OFF).	A1.3	



COM-SKHB6 Revision History

*U19 is PCH. Must modify the BOM when create BOM. *U6 is CPU. Must modify the BOM when create BOM.

01. Project code: TBD
02. Model name: COM-SKHB6
03. Model revision: A13_0_0
04. 96-Level: TBD
05. PCB P/N: 1907/SKLH05
06. PCB thickness: 2.0 mm
07. PCB stackup: 12 Layer
08. Panelization: TBD
09. PCB thickness: 10.0 mm
10.0 Material: 10.1 mm
11. PCB Dimension: TBD

Revision History

Page 3

Item	Page#	Title	Date	Request Owner	Issue Description	Solution Description	Rev.	Bug II
34	31	ePLM	2021/05/26	HW	Cuz the purchaser don't suggest the component and the price is not competitive.	Change FB7 from 12123A00B to 12123A000E.	A1.3	
35	25	A1.2	2021/05/27	HW	Follow A1.2 modification	CS67 move close to FB2/U16.5	A1.3	
36	25	A1.2	2021/05/27	HW	Follow A1.2 modification	C100 unmount	A1.3	
37	25	A1.2	2021/05/27	HW	1. Follow A1.2 modification 2. Richard requset	Unmount R604 & add R1961. Add R1962 (unmout).	A1.3	
38	25	A1.2	2021/05/27	HW	Follow A1.2 modification	Orignal A1.2 add U100 circuit, but Ray suggest that remove U100 whole circuit and add new design.	A1.3	
39	30	A1.2	2021/05/27	HW	Follow A1.2 modification	Move C641 to U51.2 pin and unmount C641. Import the whole Q8(0.41/Q42 cirult Import the whole U101/Q44 cirult Additionally add D26 for A1.3.	A1.3	
40	30	A1.2	2021/05/27	HW	Follow A1.2 modification	Change R753 & R752 PWR rail from +V5_DUAL to +V3.3S for right PWR rail.	A1.3	
41	30	A1.2	2021/05/27	HW	Follow A1.2 modification	Add Board ID (R1953~R1956)	A1.3	
42	24	PWR rail	2021/05/27	HW	Change to correct PWR rail.	Change from +V3.3S to +V3.3A_EC. Change R682 & R699 from 47K to 10K and keep unmounting.	A1.3	
43	23	PWR rail	2021/06/04	HW	Remove A1.1 design for PCB spacing.	Remove R1947 (0ohm) for DPD_HPD.	A1.3	
44	14	PWR rail	2021/06/04	HW	follow A1.1 & A1.2 design	Change U50.5 from +V3.3S to +V3.3A.	A1.3	
45	19	PWR rail	2021/06/04	HW	follow A1.1 & A1.2 design	Change BA11 from EC_RSMRST# to PM_RSMRST#	A1.3	
46	23	PWR rail	2021/06/04	HW	follow A1.1 & A1.2 design	Change NET from +V5A1 to +V5_SBY	A1.3	
47	24	PWR rail	2021/06/04	HW	follow A1.1 & A1.2 design	Change Q43 from 1315EM6K10 to 1315013810.	A1.3	
48	25	PWR rail	2021/06/04	HW	follow A1.1 & A1.2 design	Change Q25 to 1315013810.	A1.3	
49	25	PWR rail	2021/06/04	HW	follow A1.1 & A1.2 design	FSCK & FSCK_F connect to Q26B	A1.3	
50	27	PWR rail	2021/06/04	HW	follow A1.1 & A1.2 design	Change R753 & R752 PWR rail from +V5_DUAL to +V3.3S.	A1.3	
51	27	PWR rail	2021/06/04	HW	follow A1.1 & A1.2 design	Change from VCC_1V2 to +VCC_1V2.	A1.3	
52	30	PWR rail	2021/06/04	HW	follow A1.1 & A1.2 design	Reserve C1088	A1.3	
53	38	ESS	2021/09/14	HW	Ray suggestion that add accelerated discharge RSMRST# ciruit for RTC problem and modify U10 & U39 connection for discharge RSMRST#.	Remove R454 and add U102 whole circuit. And remove R449. Change U39.1 connection from U10.4 to EC_RSMRST#(from EC). Change U10.4 connection from U39.1 to RSMRST_PWRGD# (To EC).	A1.3	
54	25	禁用/ 一物二號	2021/09/08	HW	Follow A1.2 modification	Change C648,C688,C695, C707,C722,C731, C733,C736,C737 from 11EA610030 to 11EB610050.	A1.3	
55	24	禁用	2021/09/08	HW	nart FOI	Change LPC1 from 1655912032 to 1655X00036.	A1.3	
56	28	禁用	2021/09/13	HW	part EOL 料件缩減禁用	PWR team estimates the Q23 that change from 1315D4C500 to 1315036640 (Non-P2P).	A1.3	
57	35, 36	禁用	2021/09/13	HW	禁用/phase out	PWR team estimates the Q11.013,Q2,Q6 that change from 1315S4C500 to 1315S00042. Due to PWR suggestion, PWR team estimates the Q9,Q12,Q1,Q5 that change from 1315W6200 to 1315Q0003 also.	A1.3	
58	26	ESS	2021/09/14	HW	Ray suggestion PTN3460 pin 12 for Windows control	Connect EDP_BKLT_CTRL to PTN3460 pin12 through R1971	A1.3	
59	29, 38	Discharge	2021/09/15	HW	Add discharge circuit for +V3.3A	1. Immusel F387 2 mixer 873 and connect to U102 4 pin. 3. Add U102/U142 discharge +V.3 A circuit. 4. Add D27 for discharging F8XHST#. 5. Add D28 for discharging p8XHST#.	A1.3	
60	26	PCB space	2021/09/16	HW	Saving PCB space and smooth routing.	Remove R375 (SLP_SUS#). Change R372 package from 0402 to 0603.	A1.3	
61 62	30 28	A1.0 Forbidden	2021/09/23 2021/10/27	HW HW	Follow A1.0. 禁用/phase out	Add 0.1uF(C2353) back. After the result of PWR EE measurement, change R211	A1.3	ļ
63	34	Dr.MOS EOL	2021/10/27	HW	After verifing Dr.MOS, change OCP value.	from 56.2k(105A566229) to 35.7k(0402) for ocp adjust. Horse suggest that Change R440 From 18K(0402) to 16K (0402) for OCP adjust	A1.3	ļ
64	19, 20, 26 , 15, 31, 30	Componets	- 2022/01/26	HW	非主権用 軒	(Note) in Color adjusted that 1. This suggested that 1. Change CNS from 1656902122 to 1655902133. 1. Change CNS from 1655902122 to 1655902133. 2. Change TAS HESPSE10 from 12123000345. And change C102 and C105 from 1124418039 to 11443123041 faire rendor's verification 1214110309 to 11443123041 faire rendor's verification 1214110367E. 4. Roger suggest that change C14, O20 from 1315762010 to 121110367E. 5. Roger suggest that change C14 (NOTE) from 12110367E. 5. Roger suggest that change C14 (NOTE) for 12110367E. 7. Change R146 to 0402 size for RD debug use.	A1.3	

