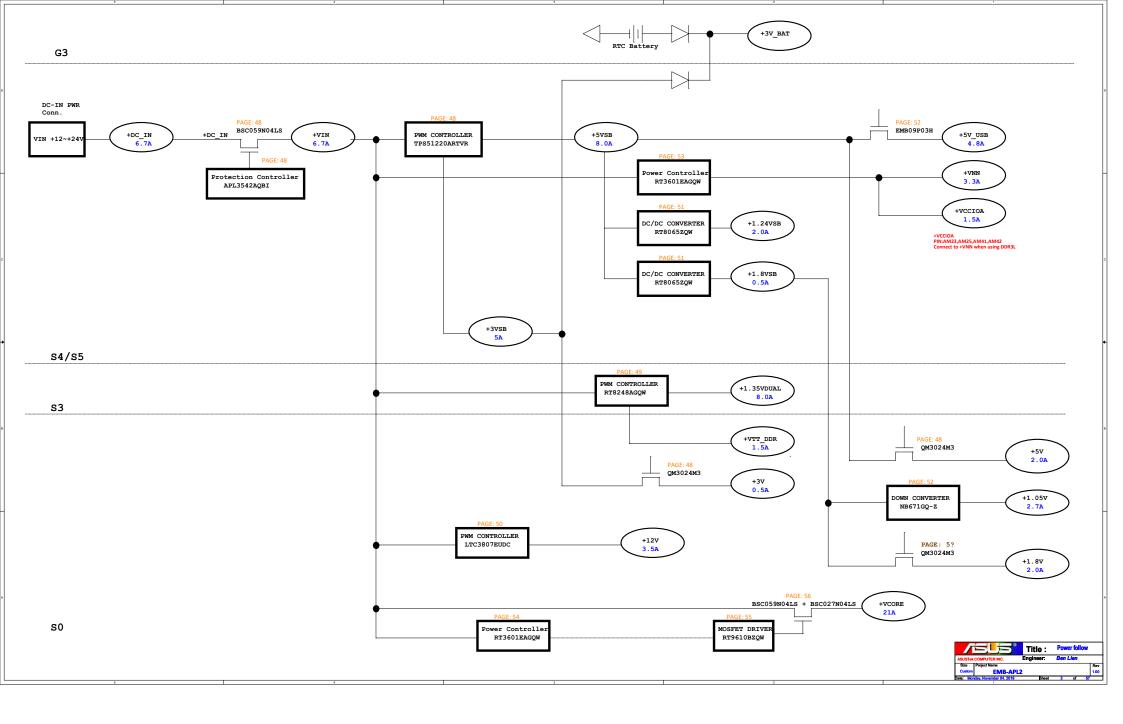
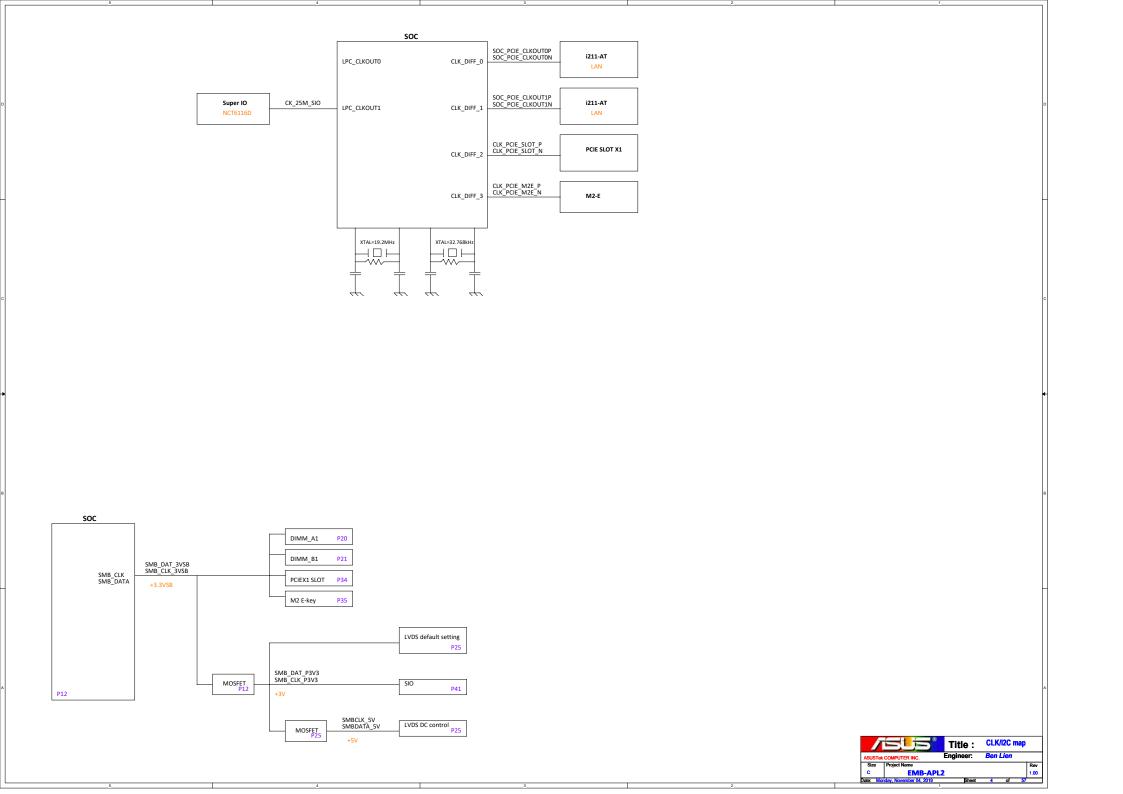
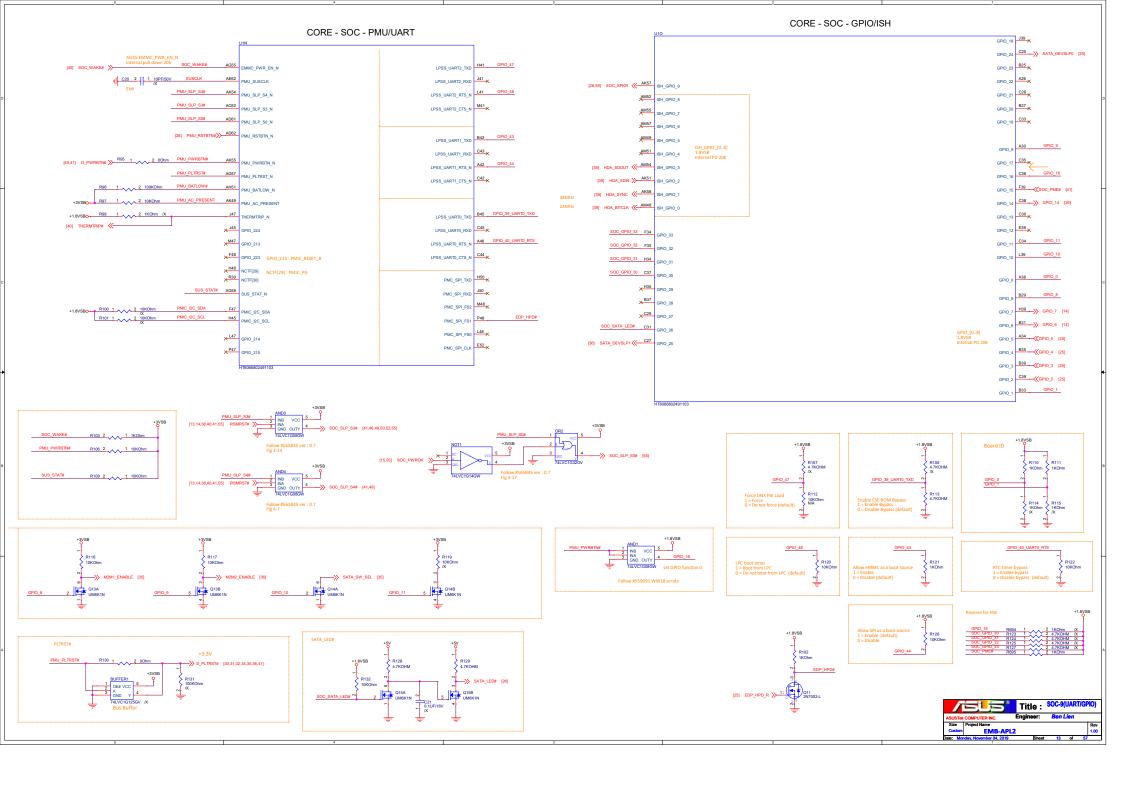
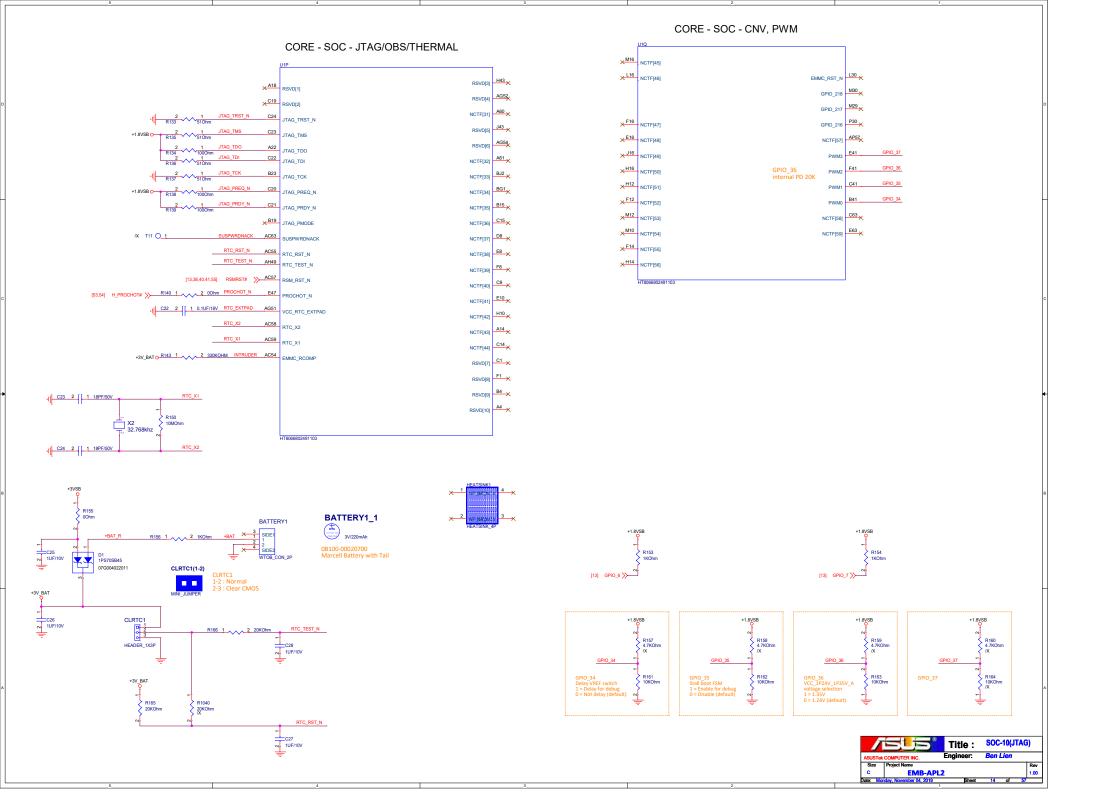


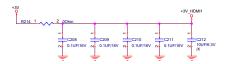
ASUSTed COMPUTER INC. Engineer: Ben Lien
Sizo Project Name
C EMB-APL2 1.00

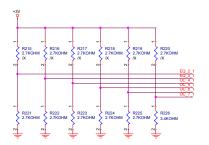










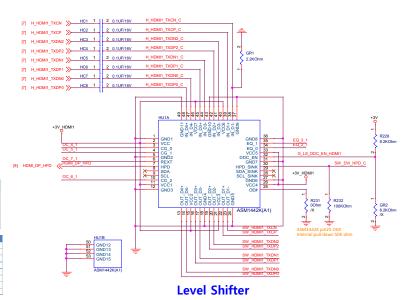


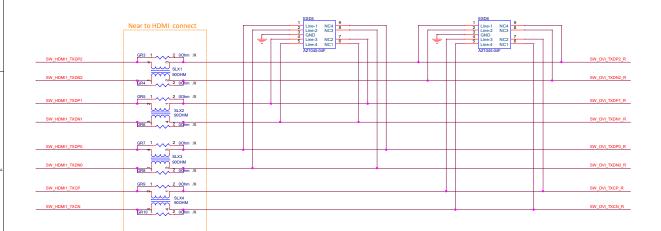
ASM1442K EQ_[1:0] Integrate internal pull-up resistor.

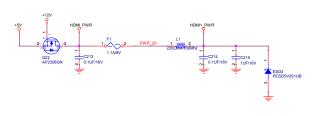
ASM1442K CG_[2:0] Integrate internal pull-up resistor

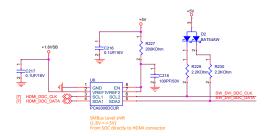
EQ_1	EQ_0	Equalization	Note
0	0	12dB	
0	1	9dB	
1	0	6dB	
1	1	3/JR	Default

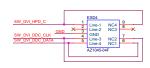
	Note	Slew-rate	Pre-amp	Swing	CG_0	CG_1	CG_2
		0	0	450	0	0	0
N.	Shortest trace	-3dB	0	420	1	0	0
Defa	Shortest trace	-3dB	0	450	0	1	0
	YA'(O)	-4dB	0	460	1	1	0
	0/00	0	0	340	0	0	1
	Longest trace	0	2dB	400	1	0	1
	Longest trace	0 🛷	2dB	400	0	1	1
	-	0	0	420	- 1	1	1

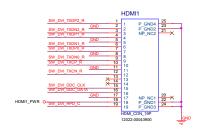




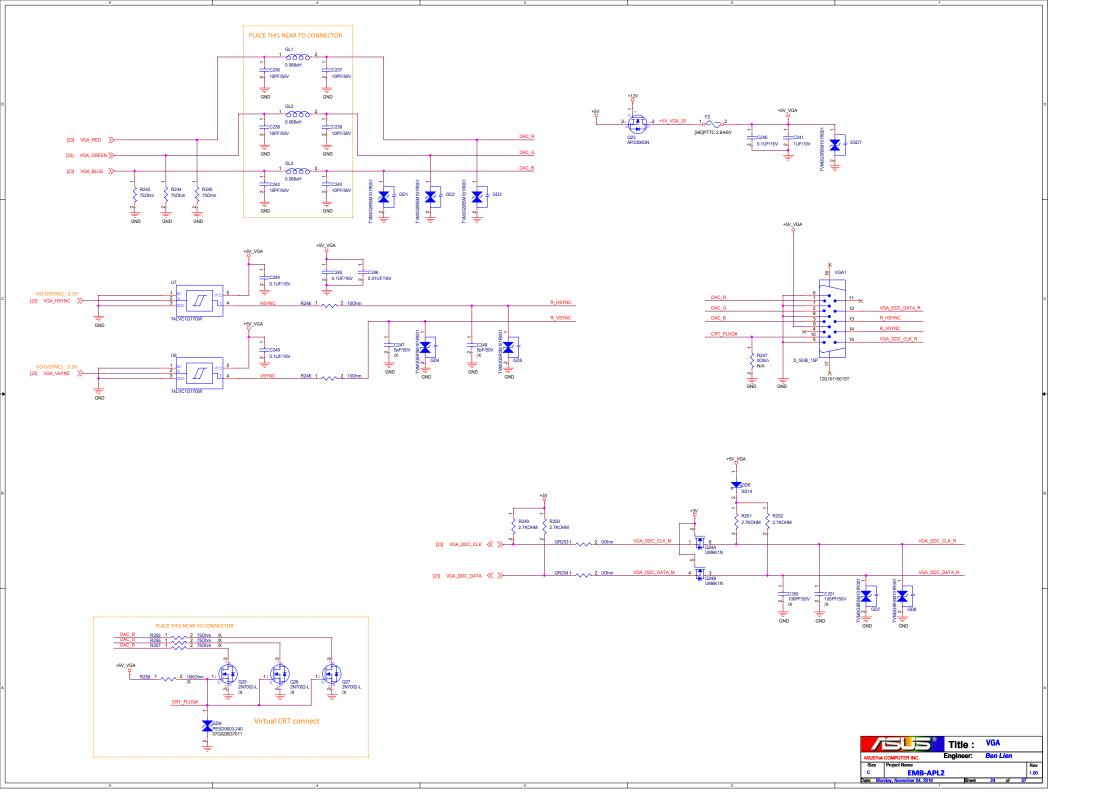


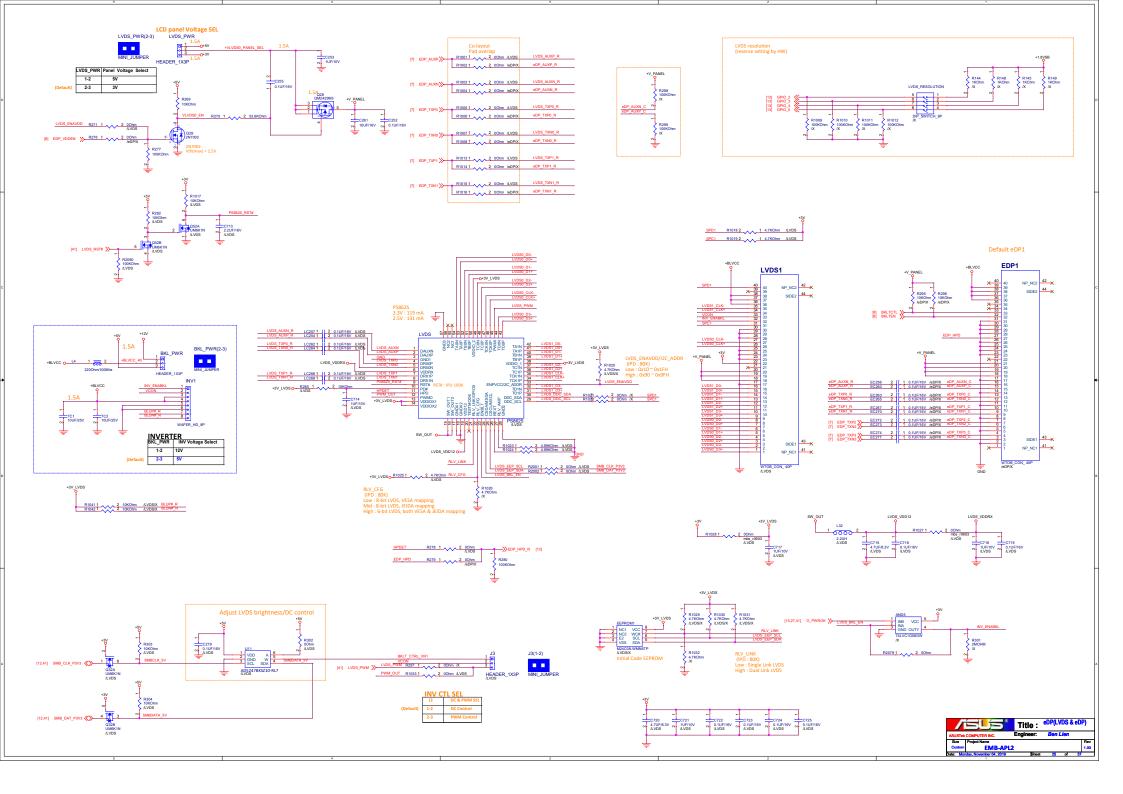


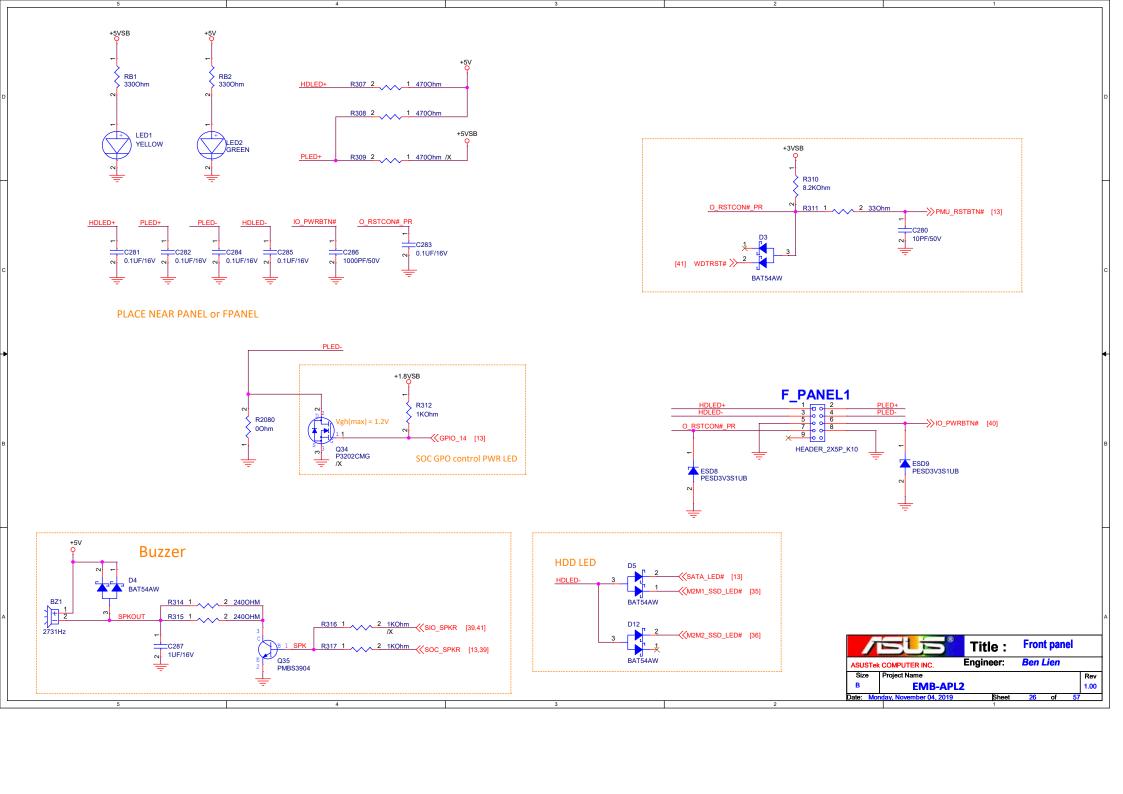


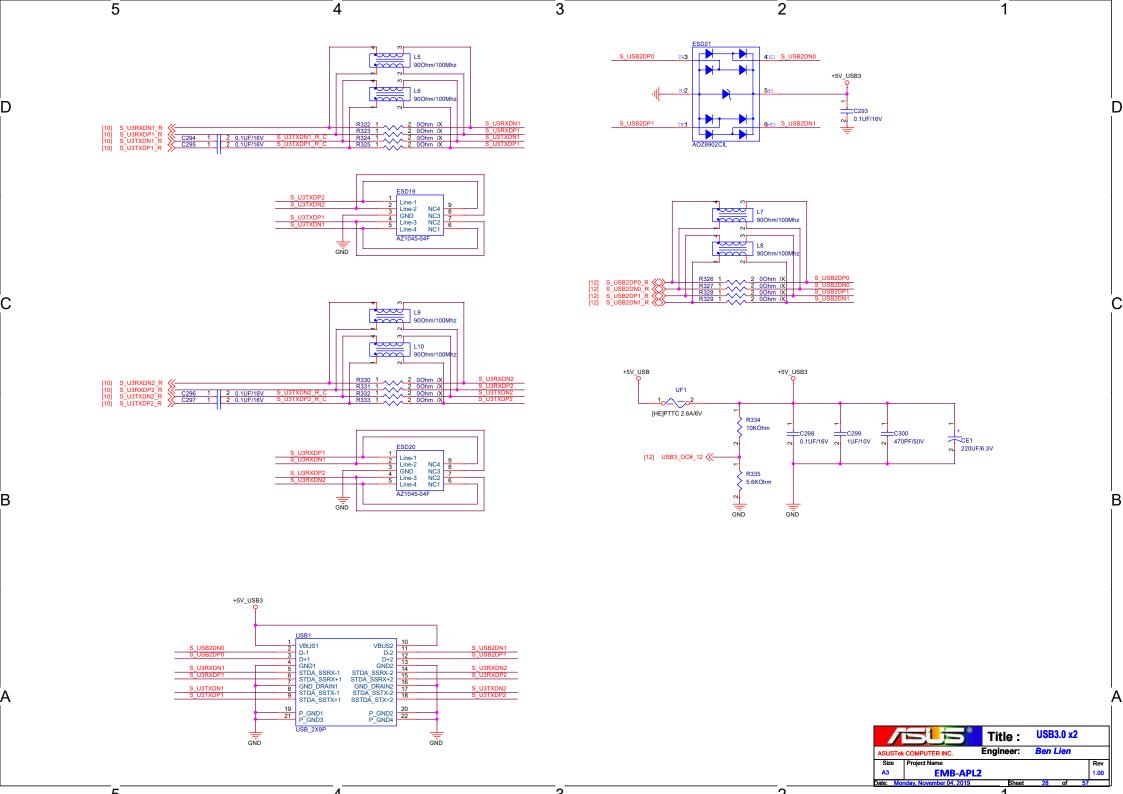


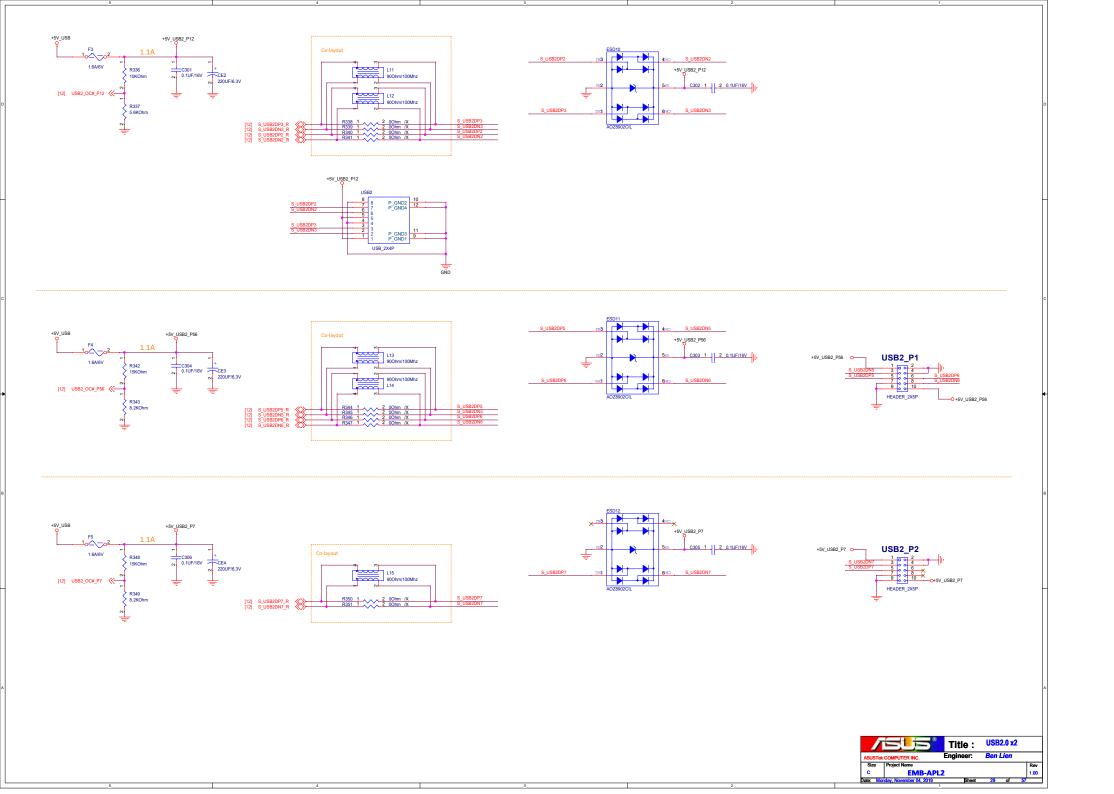


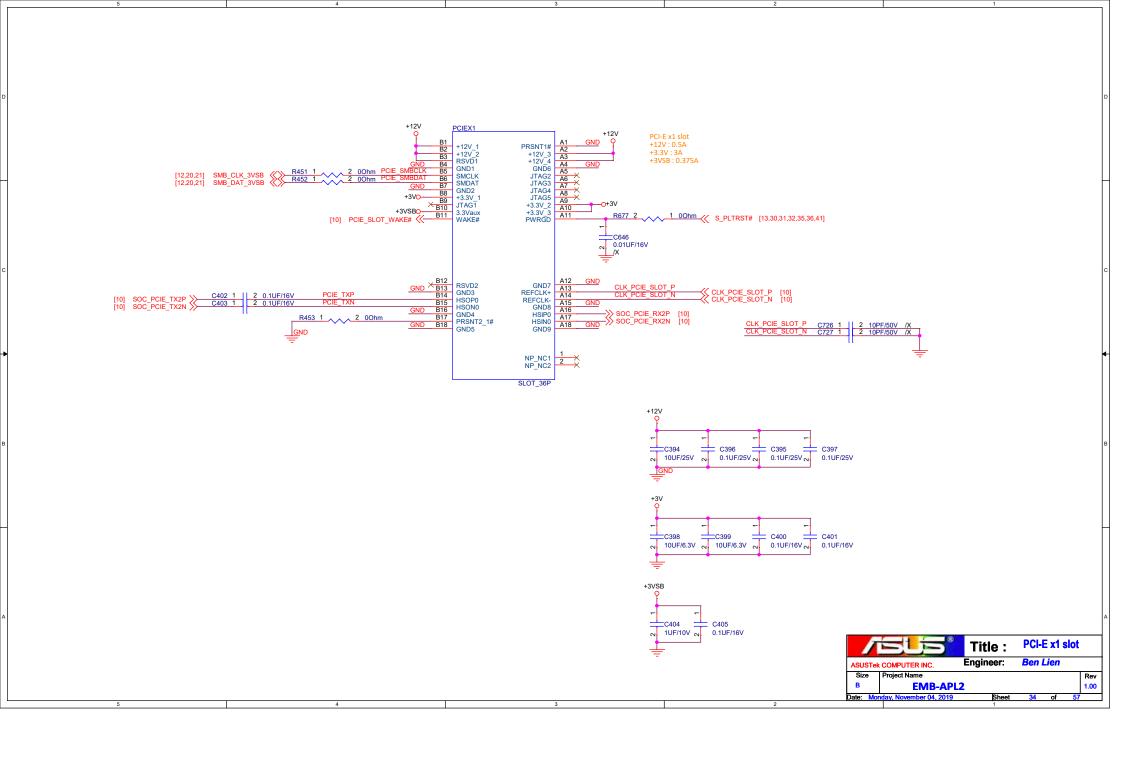


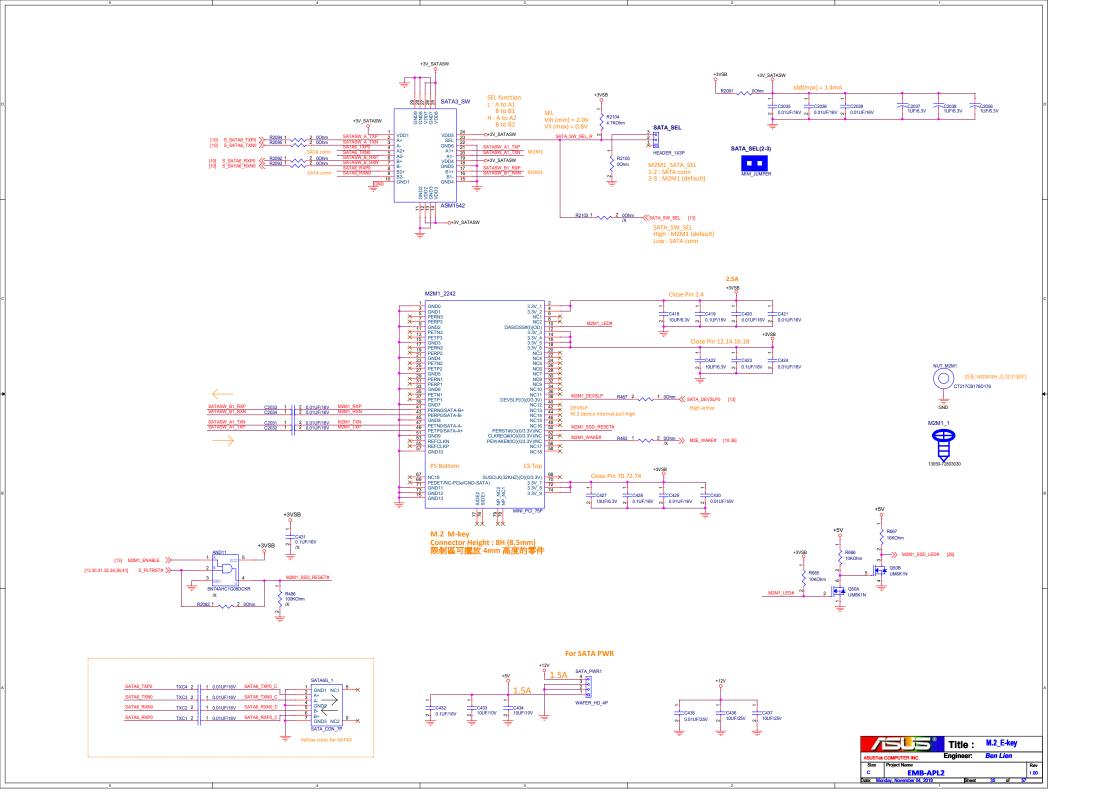


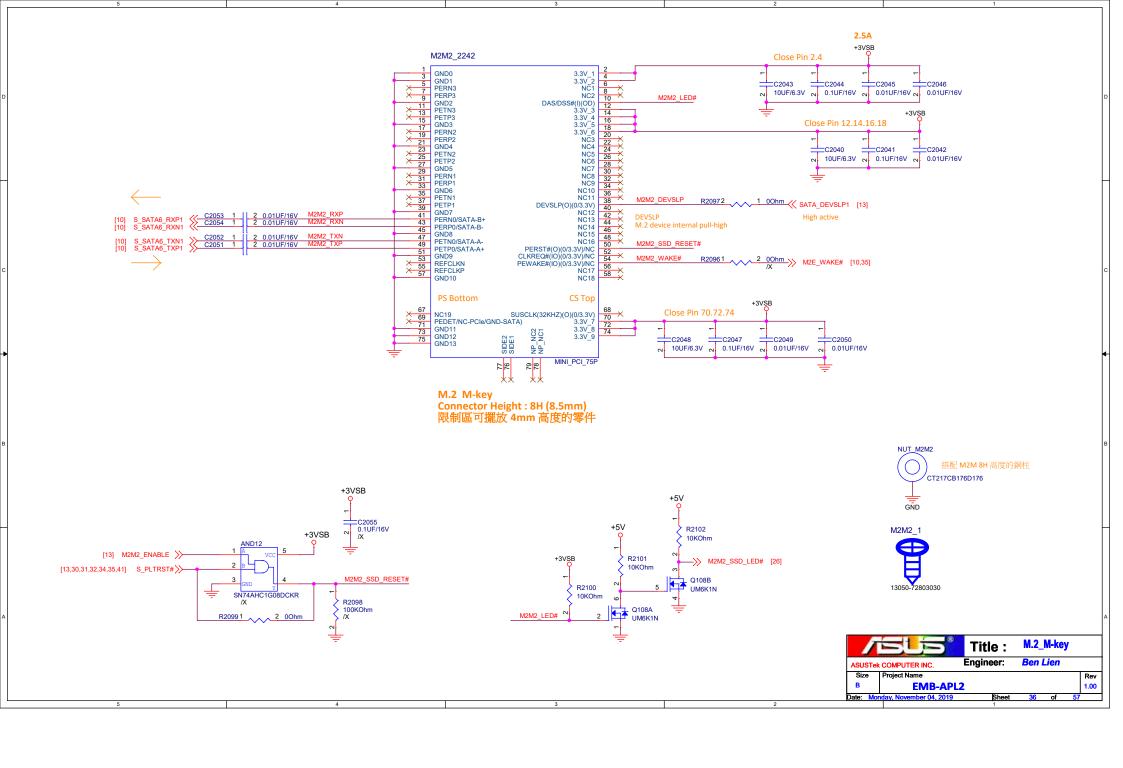


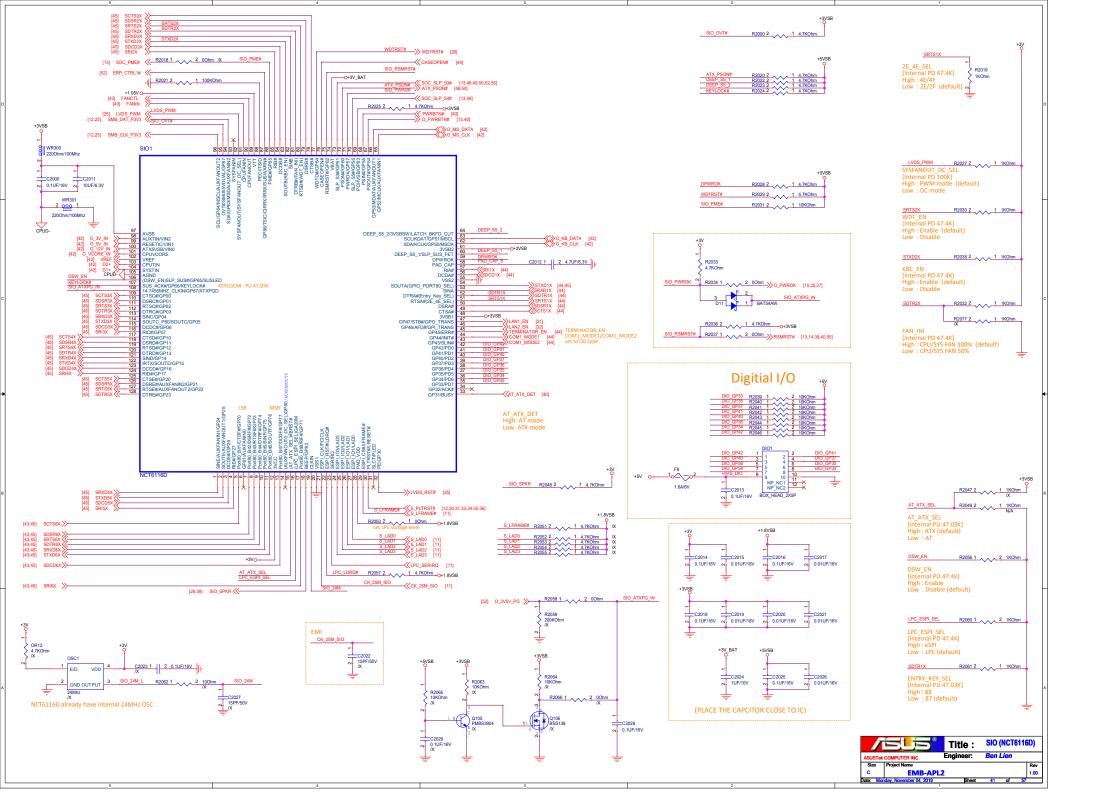


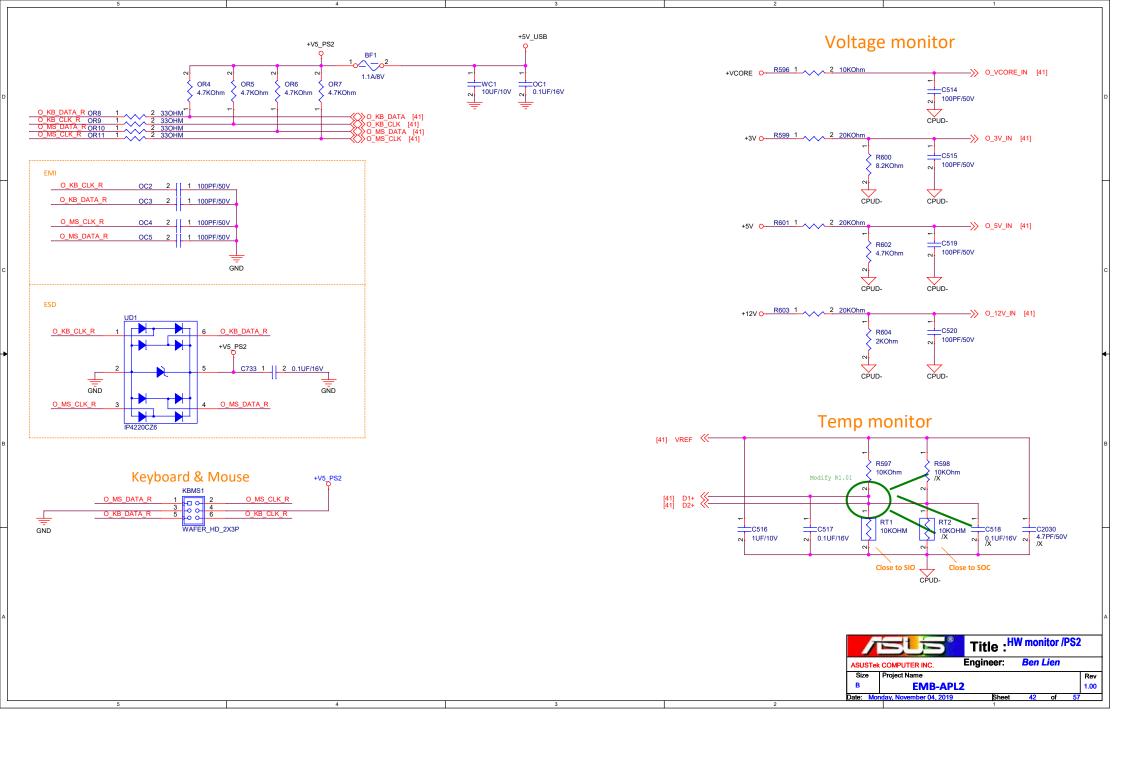


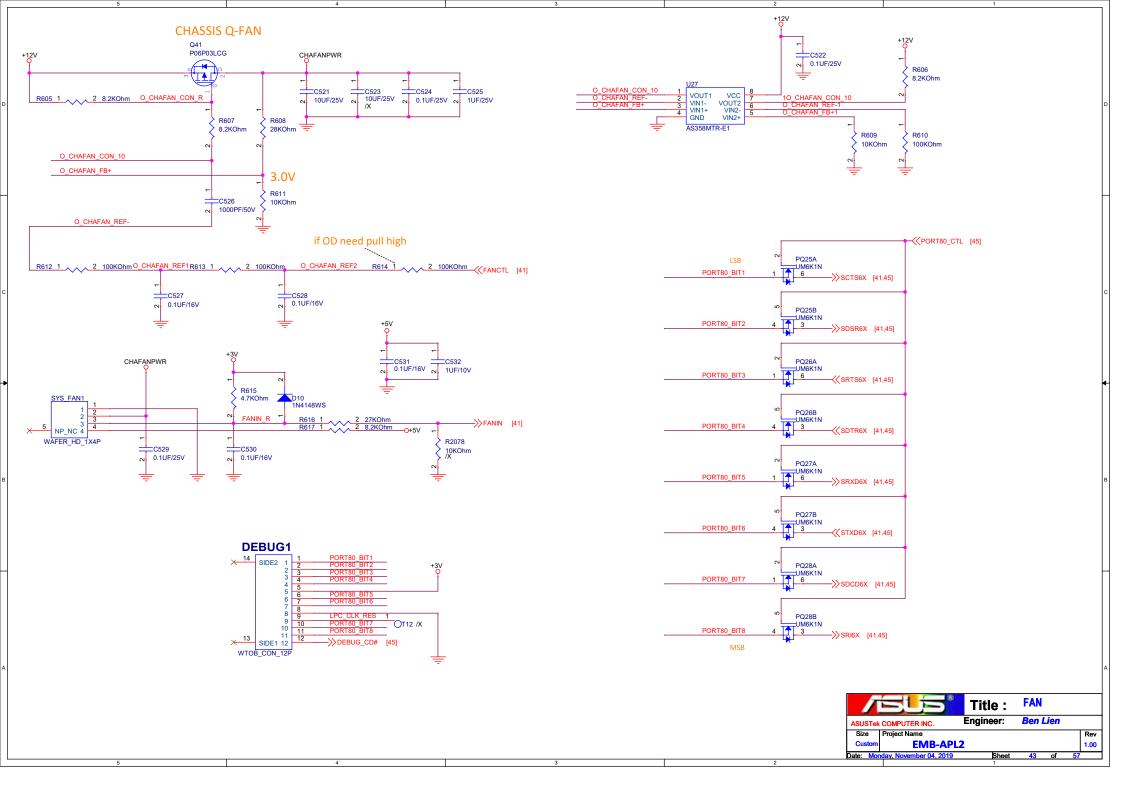


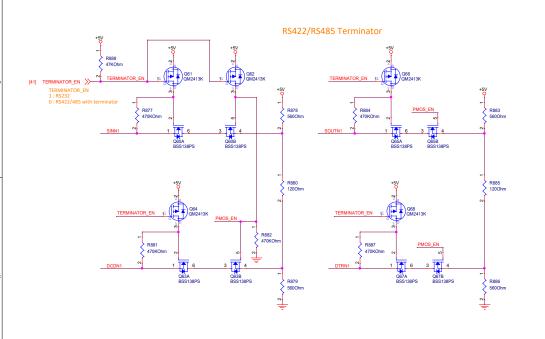






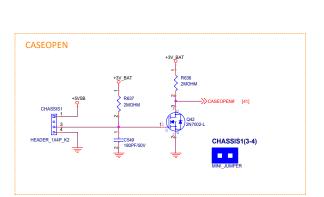


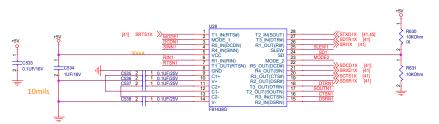




Pin	RS-232	RS-485	RS-422
1	DCD	RS485_D-	RS422_TX-
2	DSR		
3	RX	RS485_D+	RS422_TX+
4	RTS		
5	TX		RS422_RX+
6	CTS		
7	DTR		RS422_RX-
8	RI		

Maximum Slew rate control						
SLEW	RS-232	RS-485/RS-422				
0	1Mbps	10Mbps				
1	250Kbps	250Kbps				





SLEW1 R627 2 1 4.7KOhm

SLEW1 R626 2 1 4.7KOhm

R693 1 2 10KOhm

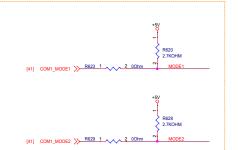
/X

SD	MODE_1	MODE_2	MODE
0	0	0	RS-422
0	0	1	RS-232
0	1	0	RS-485 (Driver Half Duplex)
0	1	1	RS-485 (Receiver Half Duplex)
1	Х	Х	Shutdown MODE

Note:

COM1_V1 RI & Voltage SEL

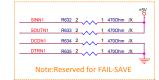
Mode_1 and Mode_2 pin. Internal pull high \leftrightarrows 625KΩ. As the current is very small (\leftrightarrows 15μA), please use the hardware strapping or GPIO (BIOS) to select the modes.



MINI_JUMPER	5-6	RI (Default)	сом1
+5V +12V COM1_V1	RI1_VCC_20	1.25A/16V	DCNN
+5V +12V			



COM1_V1(5-6)



DCDN1	C541	2	1	220PF/50V	/X
DSRN1	C542	2	1	220PF/50V	/X
SINN1	C543	2	1	220PF/50V	/X
RTSN1	C544	2	- 1	220PF/50V	/X
SOUTN1	C545	2	1	220PF/50V	/X
CTSN1	C546	2	- 1	220PF/50V	/X
DTRN1	C547	2	- 1	220PF/50V	/X
RI1_F_VCC_20	C548	2	1	220PF/50V	/X
			_		

Title COM1(RS232/422/485)							
ASUSTER COMPUTER INC. Engineer: Ben Lien							
Size	Project Name			Rev	╗		
c EMB-APL2					١		
Date: Monday, November 04, 2019 Sheet 44 of 57							

