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Revision History

Rev. Code	Date	By	Description
1.0	2019-07-23	Carlos	1 release to layout
2.0	2019-11-15	Carlos	1 RJ50 pin3,4 and ... disconected from chassis gnd.
3.0	2020/04/29	Carlos	1 Change wifi module
4.0	2020/08/11	Carlos	1 add wifi module
5.0	2022-06-21	GaryHsu	USE VER2 Schematic, Change wifi module

Design By	Gary Hsu	Approve By	Kevin Chang
Date	2020/08/11	Date	2020/08/11
Title	Content&History		
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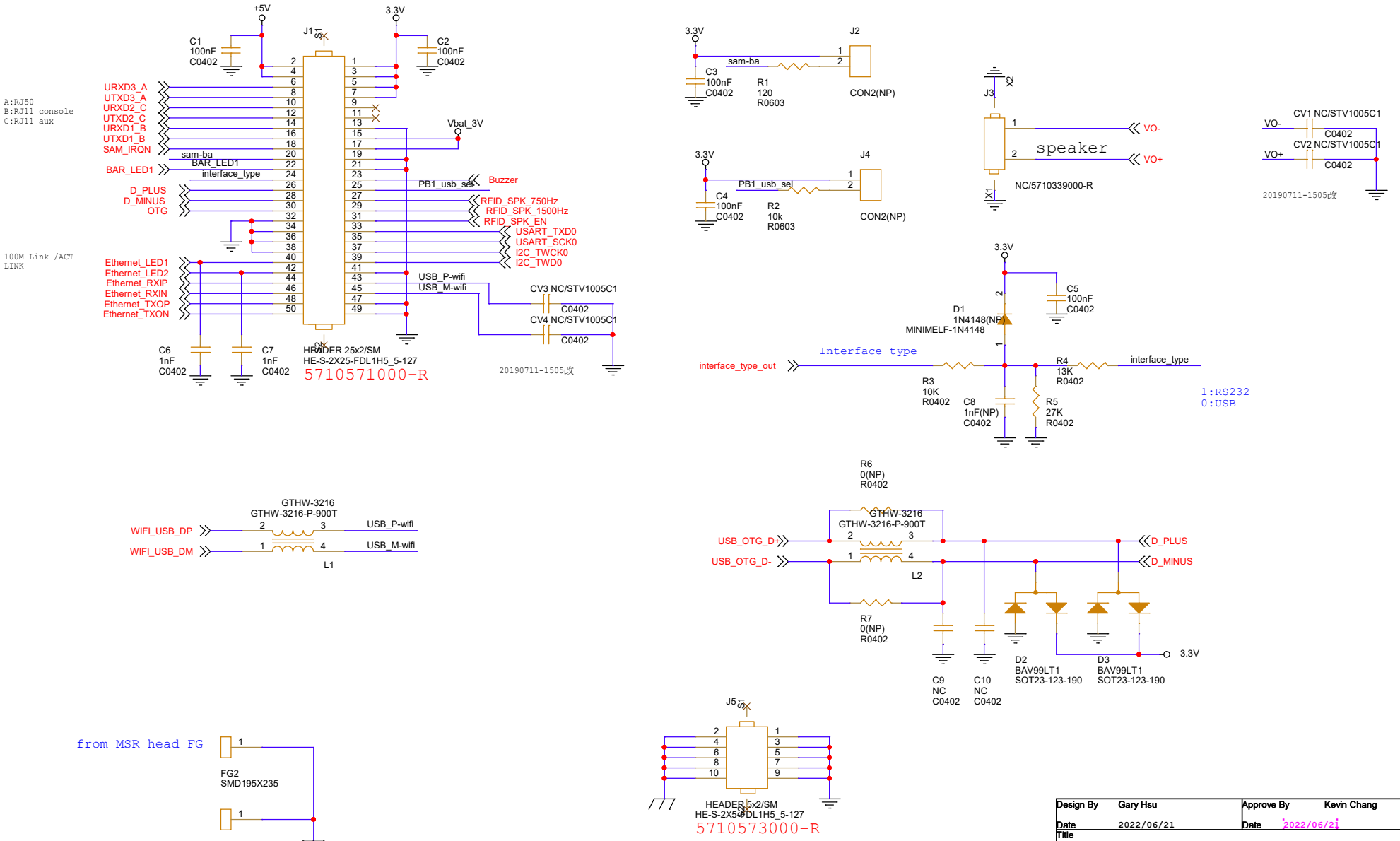

Design By	Gary Hsu	Approve By	Kevin Chang
Date	2022/06/21	Date	2022/06/21
Title	Connector		
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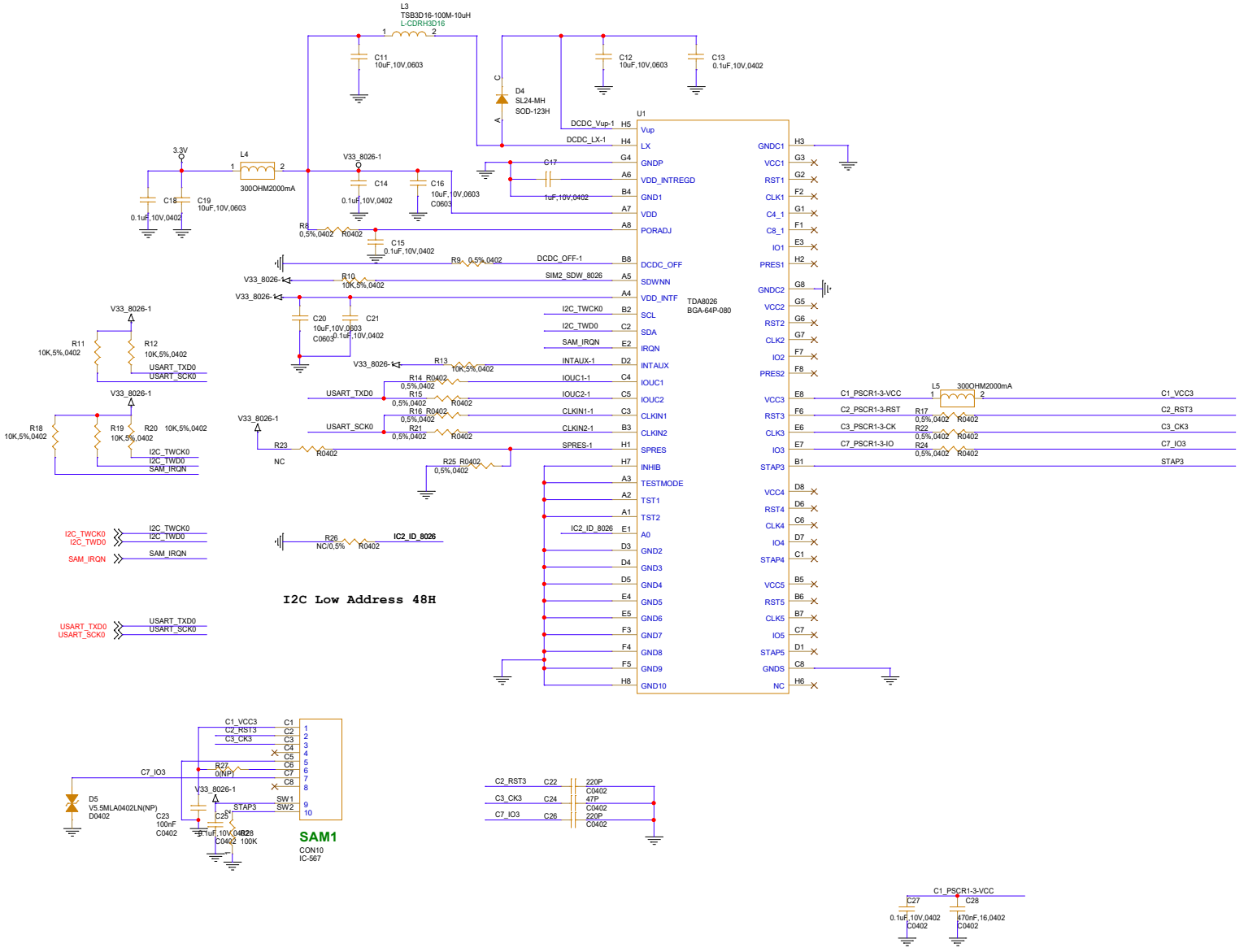

Design By	Gary Hsu	Approve By	Kevin Chang
Date	2022/06/21	Date	2022/06/21
Title	SAM TDA8026		
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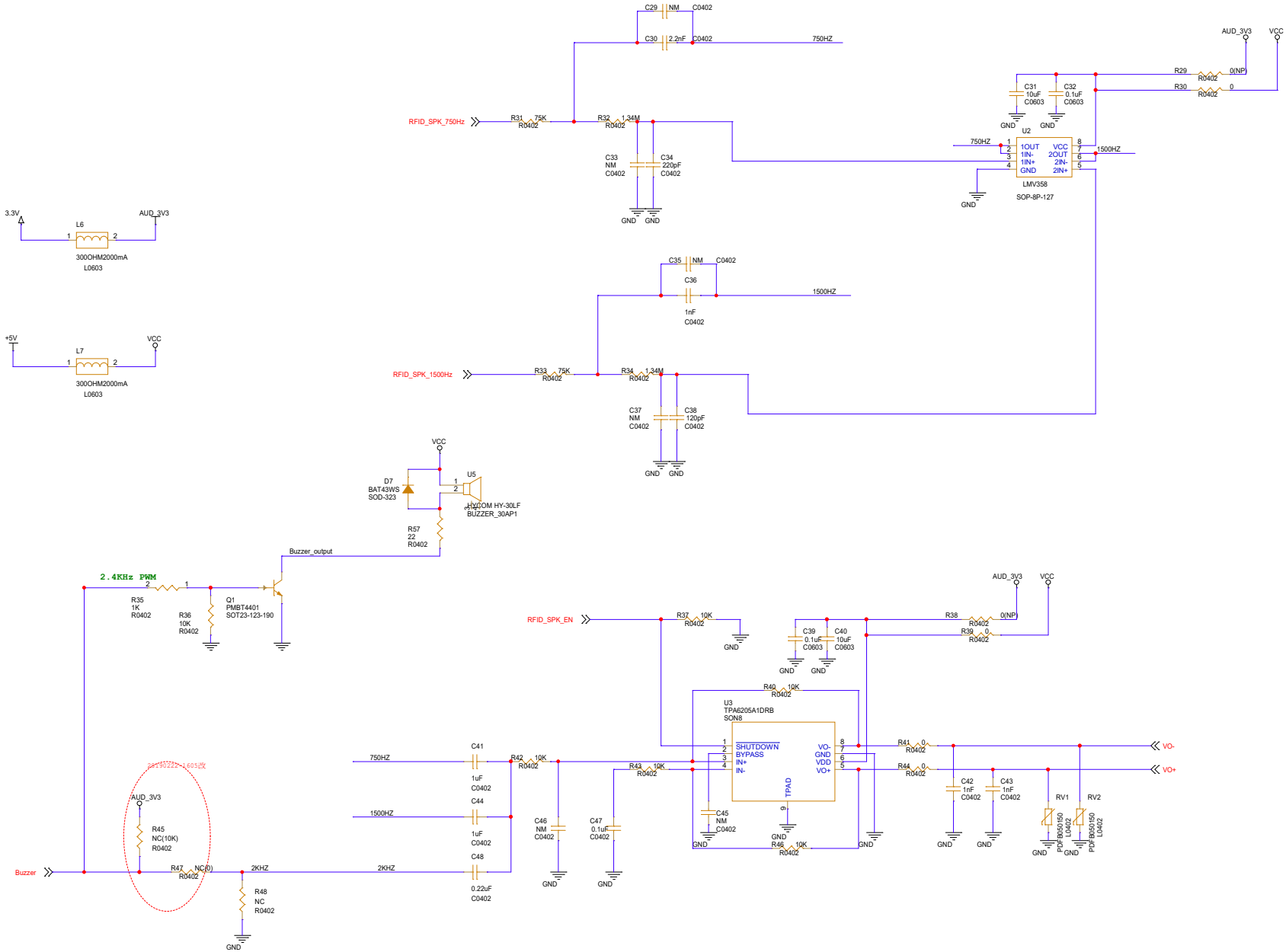
C29 NM C0402
C30 2.2nF C0402
750HZ
RFID_SPK_750Hz
R31 75K R0402
R32 1.34M R0402
C33 NM C0402
C34 220pF C0402
GND
AUD_3V3
VCC
R29 0(NP) R0402
R30 0 R0402
C31 10uF C0603
C32 0.1uF C0603
U2
750HZ
1500HZ
1OUT 1IN- 1IN+ GND
VCC 2OUT 2IN- 2IN+
LMV358
SOP-8P-127
3.3V
L6
300OHM2000mA
L0603
C35 NM C0402
C36 1nF C0402
1500HZ
RFID_SPK_1500Hz
R33 75K R0402
R34 1.34M R0402
C37 NM C0402
C38 120pF C0402
+5V
L7
D7 BAT43WS SOD-323
U5
HYCOM HY-30LF
BUZZER_30AP1
R57 22 R0402
Buzzer_output
2.4KHz PWM
R35 1K R0402
R36 10K R0402
Q1 PMBT4401 SOT23-123-190
RFID_SPK_EN
R37 10K R0402
C39 0.1uF C0603
C40 10uF C0603
R38 0(NP) R0402
R39 0 R0402
R40 10K R0402
U3 TPA6205A1DRB SON8
SHUTDOWN
BYPASS
IN+
IN-
VO-
GND
VDD
VO+
TPAD
R41 0 R0402
R44 0 R0402
VO-
VO+
C41 1uF C0402
C44 1uF C0402
C48 0.22uF C0402
R42 10K R0402
R43 10K R0402
C45 NM C0402
R46 10K R0402
C42 1nF C0402
C43 1nF C0402
RV1
RV2
PDF850/150 L0402
C46 NM C0402
C47 0.1uF C0402
Buzzer
R45 NC(10K) R0402
R47 NC(0) R0402
R48 NC R0402
2KHZ
Design By Gary Hsu
Approve By Kevin Chang
Date 2022/06/21
Date 2022/06/21
Title AUDIO
Size
Document Number B8-S IO/B
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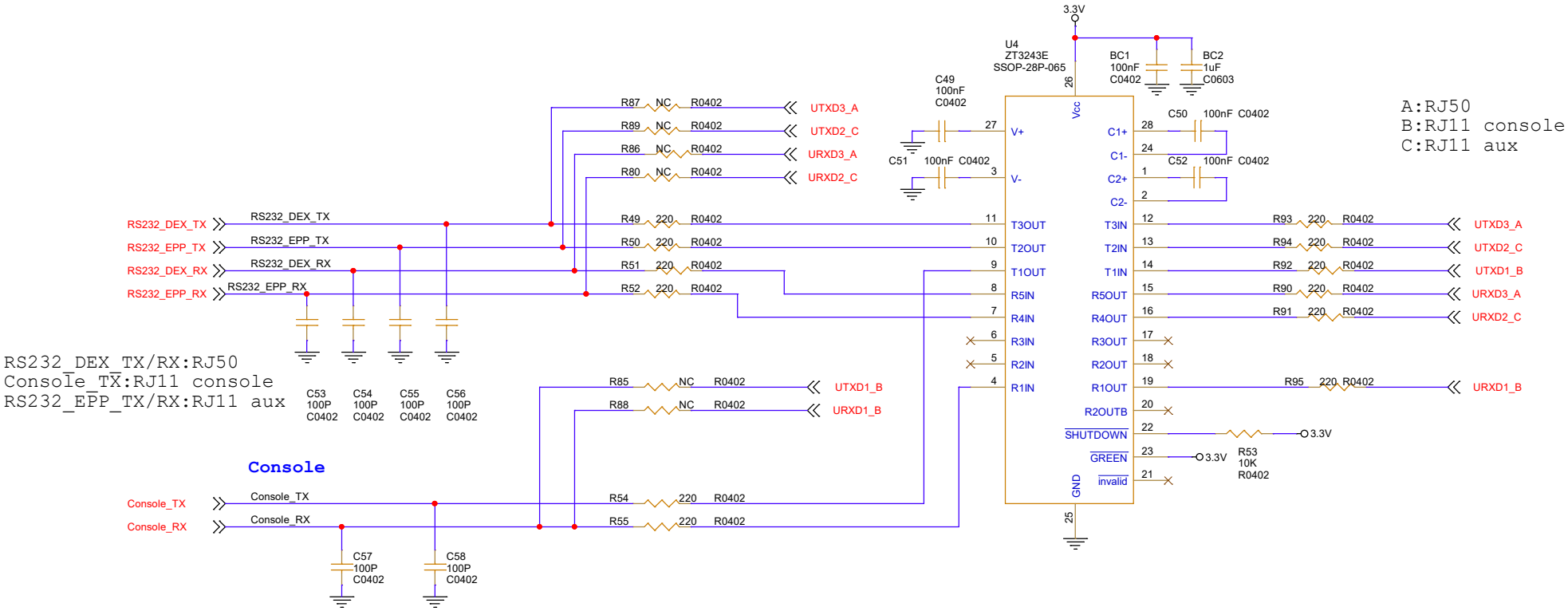

Design By	Gary Hsu	Approve By	Kevin Chang
Date	2022/06/21	Date	2022/06/21
Title	Interface RS232		
Size	Document Number B8-S IO/B		Rev 5.0
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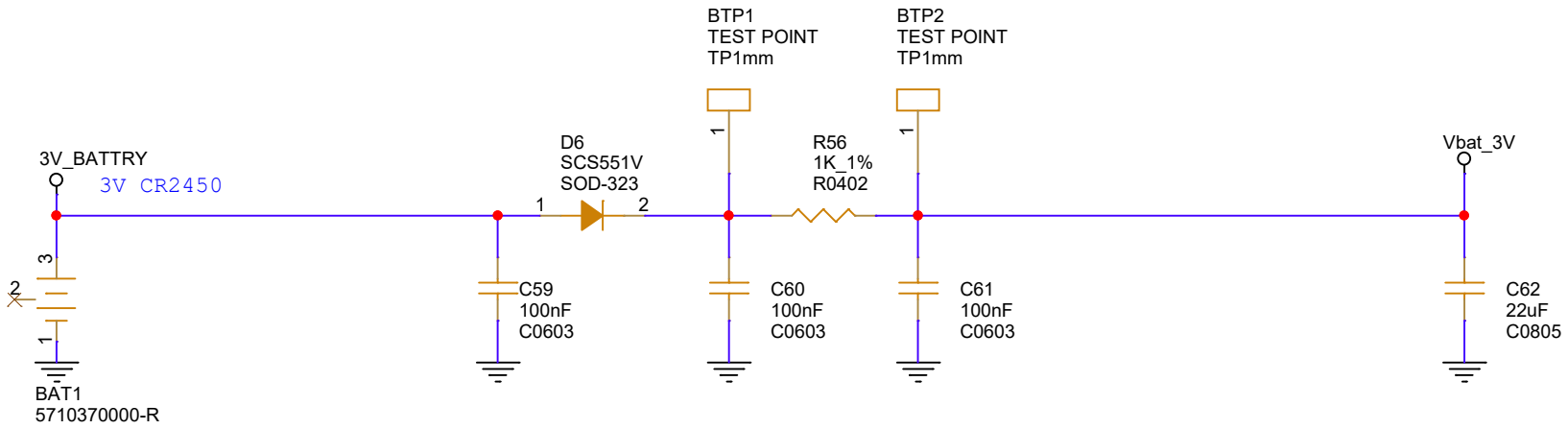

Design By	Gary Hsu	Approve By	Kevin Chang
Date	2022/06/21	Date	2022/06/21
Title	Battery		
Size	Document Number B8-S IO/B		Rev 5.0
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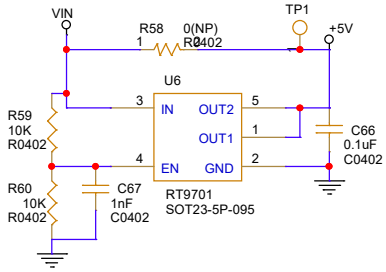

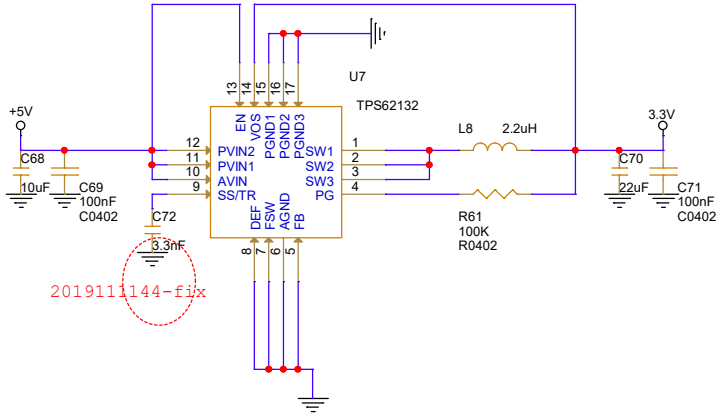

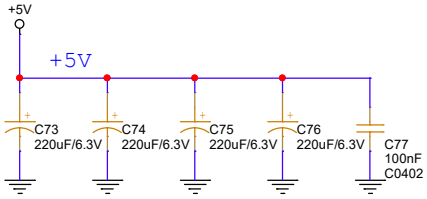

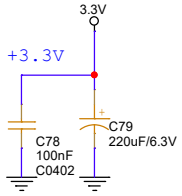

Design By	Gary Hsu	Approve By	Kevin Chang
Date	2022/06/21	Date	2022/06/21
Title	Power		
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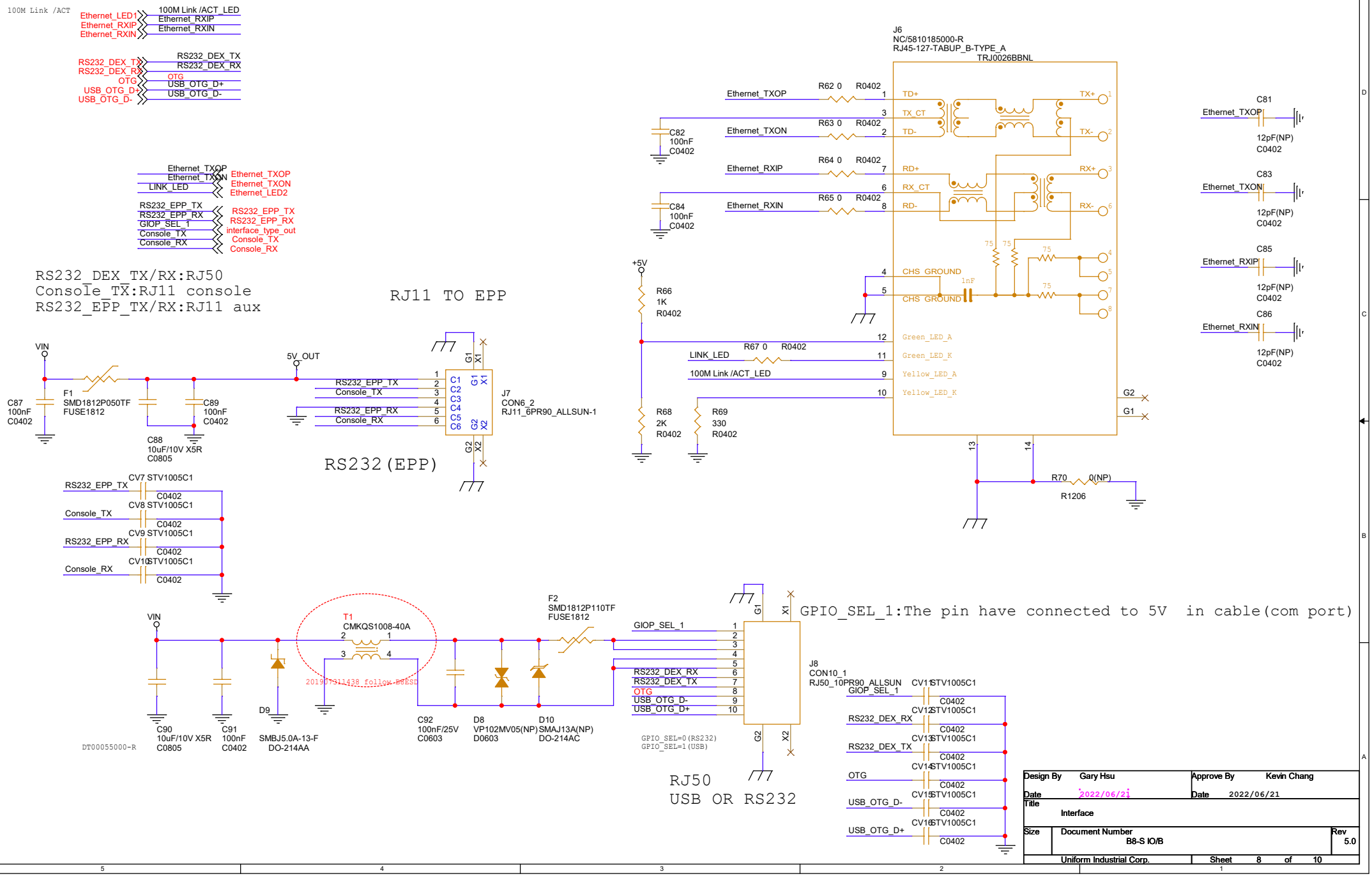
100M Link /ACT
Ethernet_LED1
Ethernet_RXIP
Ethernet_RXIN
100M Link /ACT_LED
Ethernet_RXIP
Ethernet_RXIN
RS232_DEX_TX
RS232_DEX_RX
OTG
USB_OTG_D+
USB_OTG_D-
RS232_DEX_TX
RS232_DEX_RX
OTG
USB_OTG_D+
USB_OTG_D-
Ethernet_TXOP
Ethernet_TXON
LINK_LED
Ethernet_TXOP
Ethernet_TXON
Ethernet_LED2
RS232_EPP_TX
RS232_EPP_RX
GIOP_SEL_1
Console_TX
Console_RX
RS232_EPP_TX
RS232_EPP_RX
interface_type_out
Console_TX
Console_RX
RS232_DEX_TX/RX:RJ50
Console_TX:RJ11 console
RS232_EPP_TX/RX:RJ11 aux
RJ11 TO EPP
VIN
C87
100nF
C0402
F1
SMD1812P050TF
FUSE1812
C88
10uF/10V X5R
C0805
C89
100nF
C0402
5V_OUT
RS232_EPP_TX
Console_TX
RS232_EPP_RX
Console_RX
J7
CON6_2
RJ11_6PR90_ALLSUN-1
RS232(EPP)
CV7 STV1005C1
CV8 STV1005C1
CV9 STV1005C1
CV10 STV1005C1
C0402
VIN
T1
CMKQS1008-40A
C90
10uF/10V X5R
C0805
C91
100nF
C0402
D9
SMBJ5.0A-13-F
DO-214AA
C92
100nF/25V
C0603
D8
VP102MV05(NP)
D0603
D10
SMAJ13A(NP)
DO-214AC
F2
SMD1812P110TF
FUSE1812
GIOP_SEL_1
RS232_DEX_RX
RS232_DEX_TX
OTG
USB_OTG_D-
USB_OTG_D+
GPIO_SEL=0(RS232)
GPIO_SEL=1(USB)
RJ50
USB OR RS232
GPIO_SEL_1:The pin have connected to 5V in cable(com port)
J8
CON10_1
RJ50_10PR90_ALLSUN
DT00055000-R
J6
NC/5810185000-R
RJ45-127-TABUP_B-TYPE_A
TRJ0026BBNL
Ethernet_TXOP
Ethernet_TXON
Ethernet_RXIP
Ethernet_RXIN
R62 0 R0402
R63 0 R0402
R64 0 R0402
R65 0 R0402
C82
100nF
C0402
C84
100nF
C0402
TD+
TD-
RD+
RD-
TX_CT
RX_CT
TX+
TX-
RX+
RX-
CHS_GROUND
1nF
75
+5V
R66
1K
R0402
R68
2K
R0402
R69
330
R0402
LINK_LED
100M Link /ACT_LED
R67 0 R0402
Green_LED_A
Green_LED_K
Yellow_LED_A
Yellow_LED_K
R70
0(NP)
R1206
C81
C83
C85
C86
12pF(NP)
C0402
Design By Gary Hsu
Approve By Kevin Chang
Date 2022/06/21
Date 2022/06/21
Title
Interface
Size
Document Number
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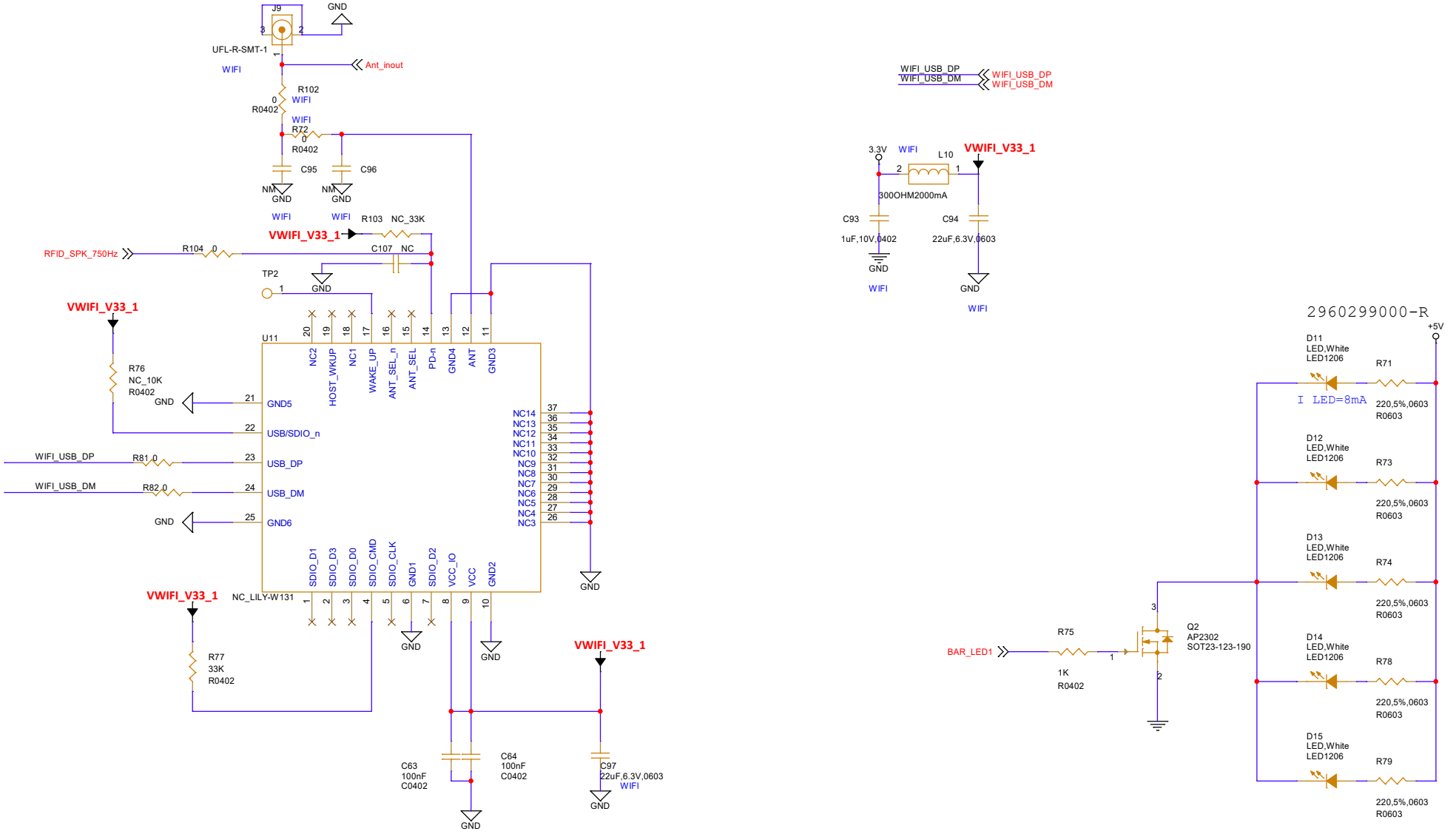

Design By	Gary Hsu	Approve By	Kevin Chang
Date	2022/06/21	Date	2022/06/21
Title	WIFI		
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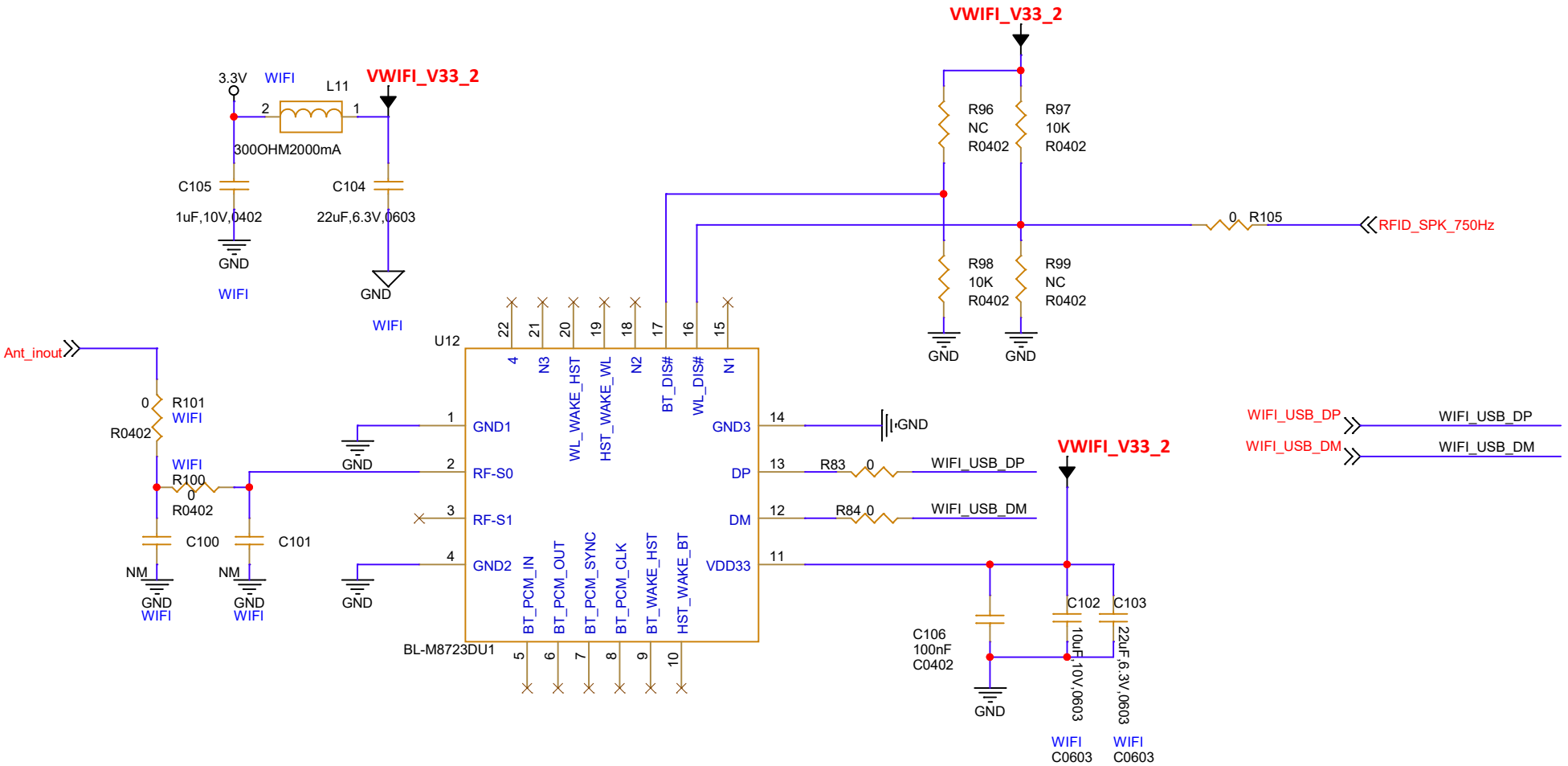

Design By	Gary Hsu	Approve By	Kevin Chang
Date	2022/06/21	Date	2022/06/21
Title	WIFI		
Size	Document Number B8-S IO/B		Rev 5.0
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