BeagleV PMIC

File: BeagleV_PMIC.kicad_sch

VIC Power

File: VIC_Power.kicad_sch

BeagleV VIC DDR Ctrl

File: BeagleV_VIC_DDR_Ctrl.kicad_sch

BeagleV VIC ChipLink & CM

File: BeagleV_VIC_ChipLink.kicad_sch

BeagleV VIC LCD & GMI & GPIOs

File: BeagleV_VIC_LCD.kicad_sch

BeagleV HighIF & Ctrl Other

File: BeagleV_VIC_HighIF.kicad_sch

BeagleV LPDDR (A)

File: BeagleV_LPDDR_A.kicad_sch

BeagleV LPDDR (B)

File: BeagleV_LPDDR_B.kicad_sch

BeagleV Type C, uSD, QSIP Flash

File: BeagleV_Type_C_uSD.kicad_sch

BeagleVUSB 3.0 HUB

File: BeagleV_USB_3_HUB.kicad_sch

BeagleV USB TYPE A (A)

File: BeagleV_USB_Type_A_A.kicad_sch

BeagleV USB TYPE A (B)

File: BeagleV_USB_Type_A_B.kicad_sch

BeagleV CSI CONN

File: BeagleV_CSI_Conn.kicad_sch

BeagleV DSI, AUDIO JACK

File: BeagleV_DSI_Audio.kicad_sch

BeagleV HDMI FRAMER

File: BeagleV_Hdmi_Framer.kicad_sch

BeagleV W iFi, Bluetooth

File: BeagleV_Wifi_Bluetooth.kicad_sch

BeagleV 10/100/1000 ETHERNET

File: BeagleV_Ethernet.kicad_sch

BeagleV RPI EXP CONN, LED, BUTTON

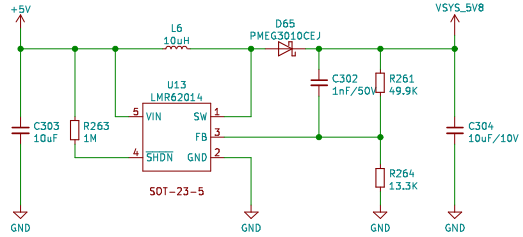
File: BeagleV_RPI_Conn.kicad_sch

Sheet: /
File: BeagleV.kicad_sch

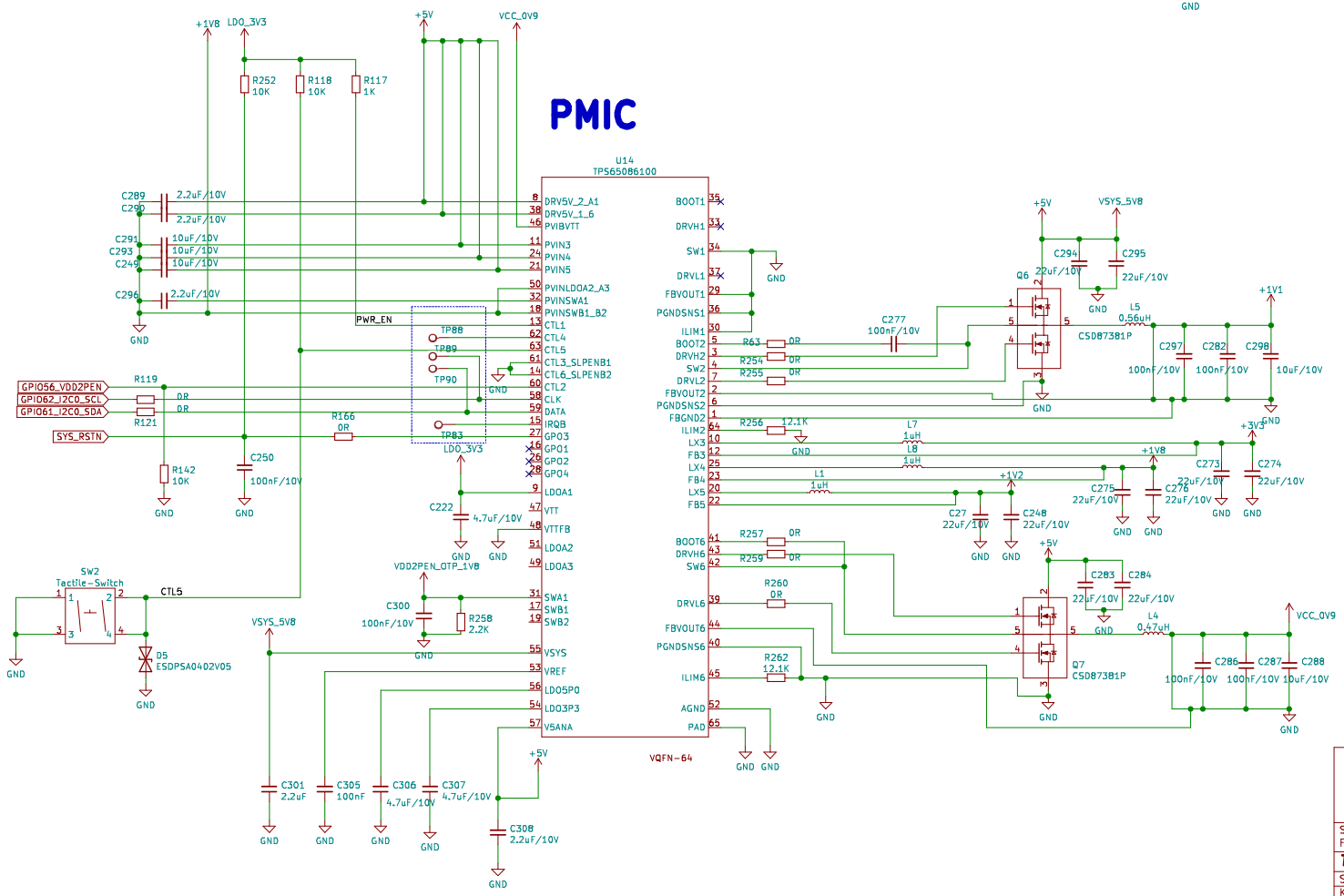
Title: Beagle V

Size: A4	Date: 2021-06-03	**Rev: v0.7**
KiCad E.D.A. kicad 5.99.0-unknown-a6c3d74a73125ubuntu20.04.1		Id: 1/19

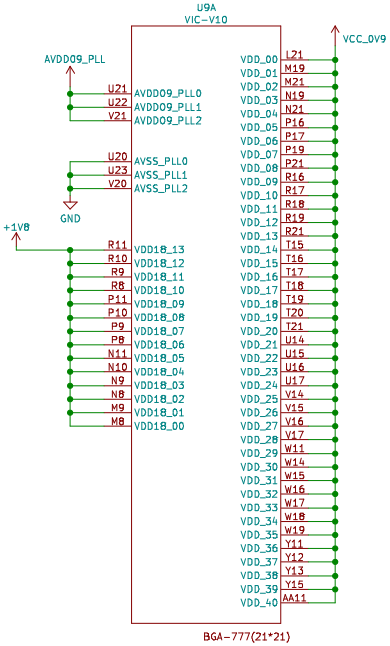
Step-Up for PMIC

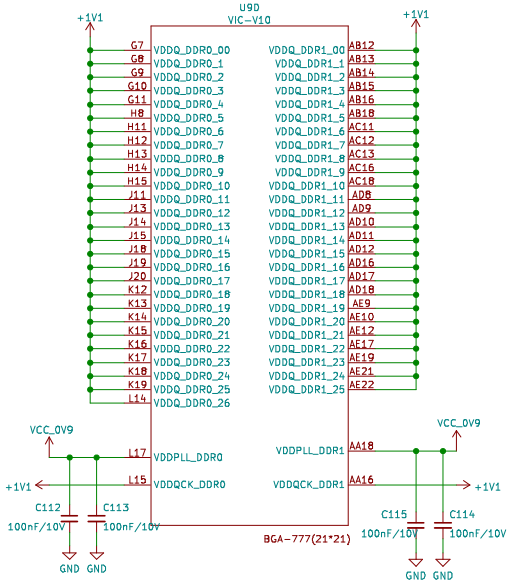


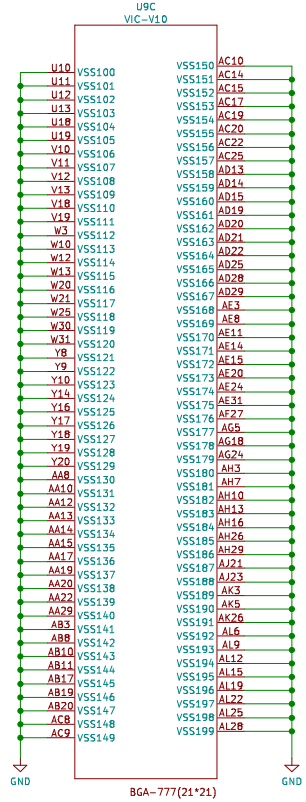
PMIC

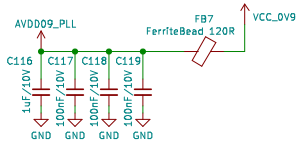


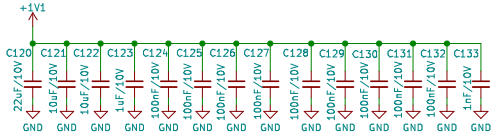
VIC Power

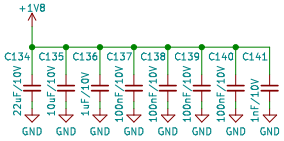


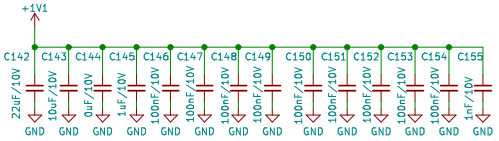


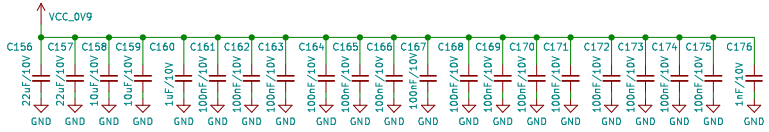












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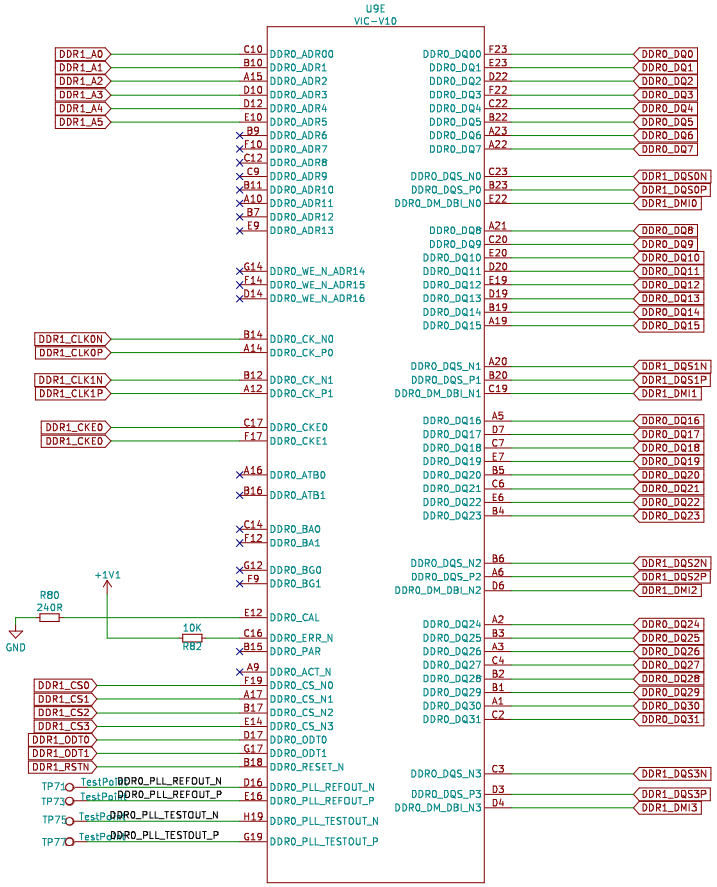
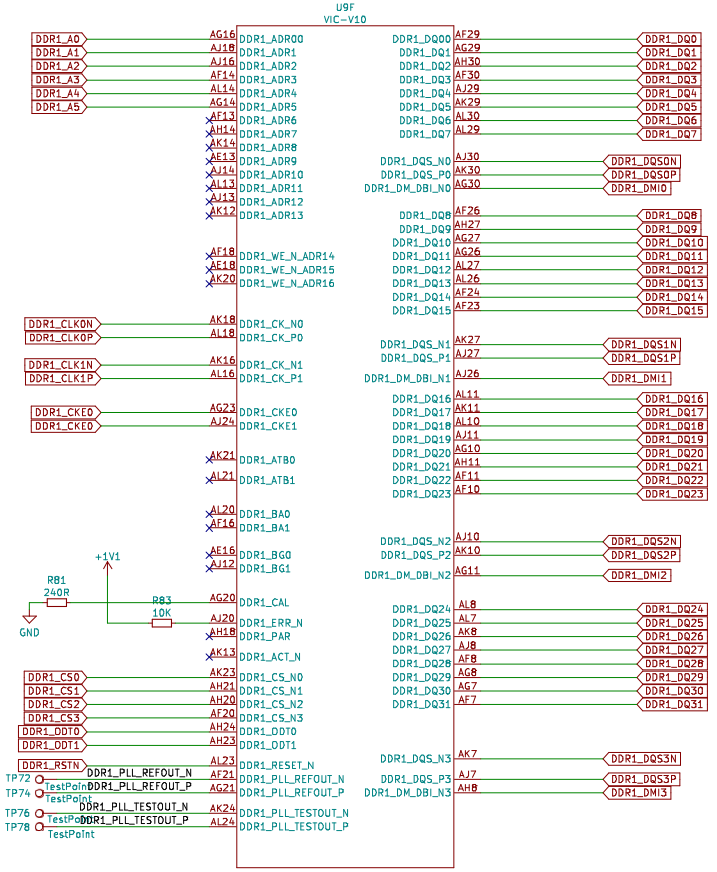
Title: Beagle V

Size: A3	Date: 2021-06-03	**Rev: v0.7**
KiCad E.D.A. kicad 5.99.0-unknown-a6c3d74a73125ubuntu20.04.1		Id: 3/19

VIC DDR controller





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Title: Beagle V

Size: A3	Date: 2021-06-03	**Rev: v0.7**
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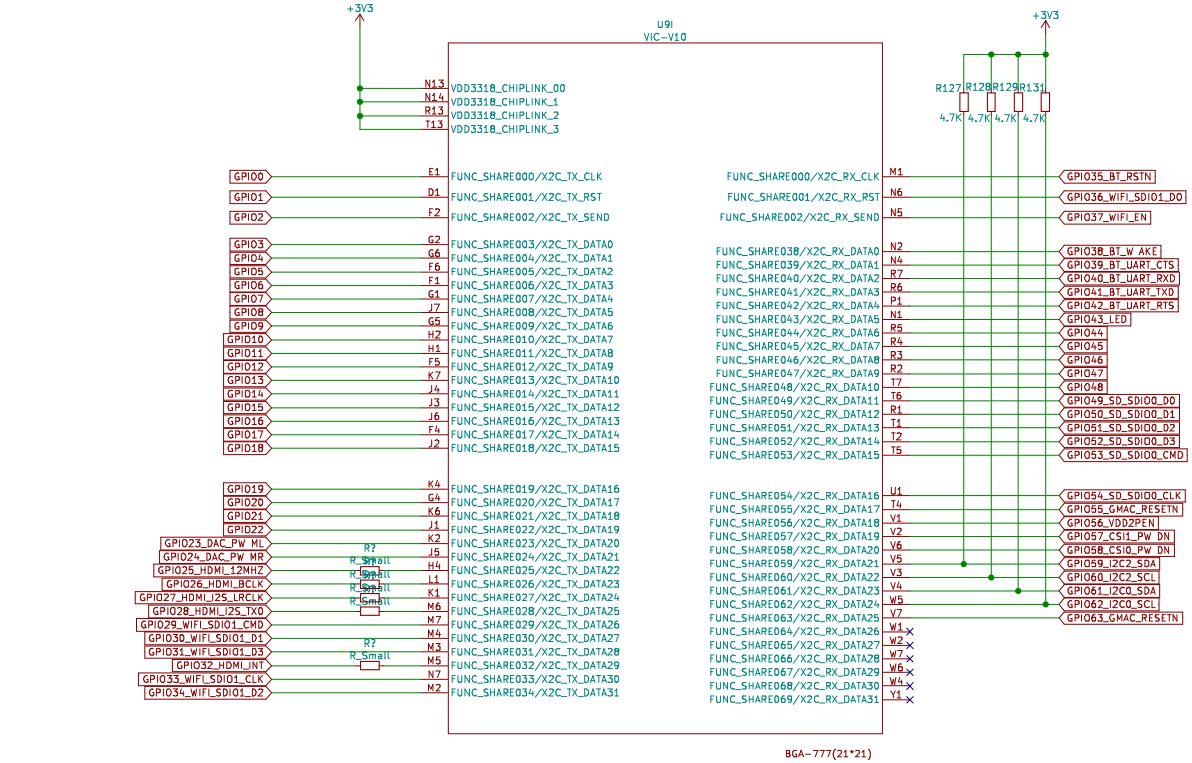
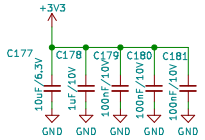
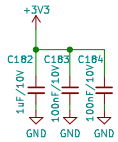
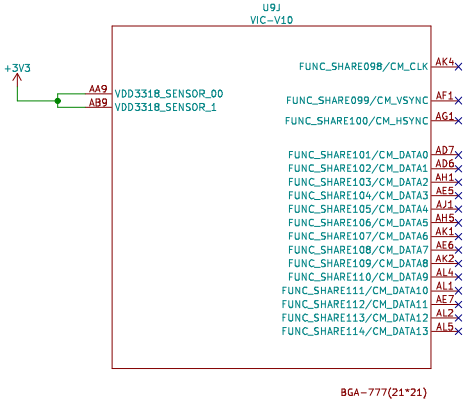
VIC 3.3V GPIOs









Sheet: /BeagleV VIC ChipLink & CM/
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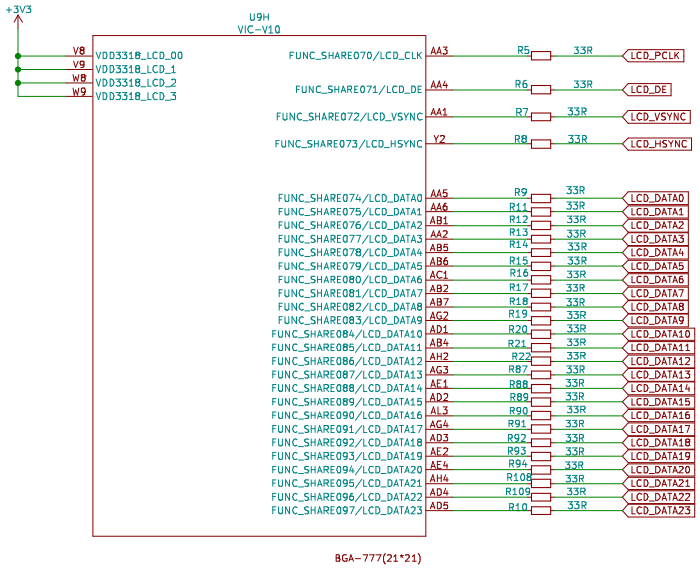
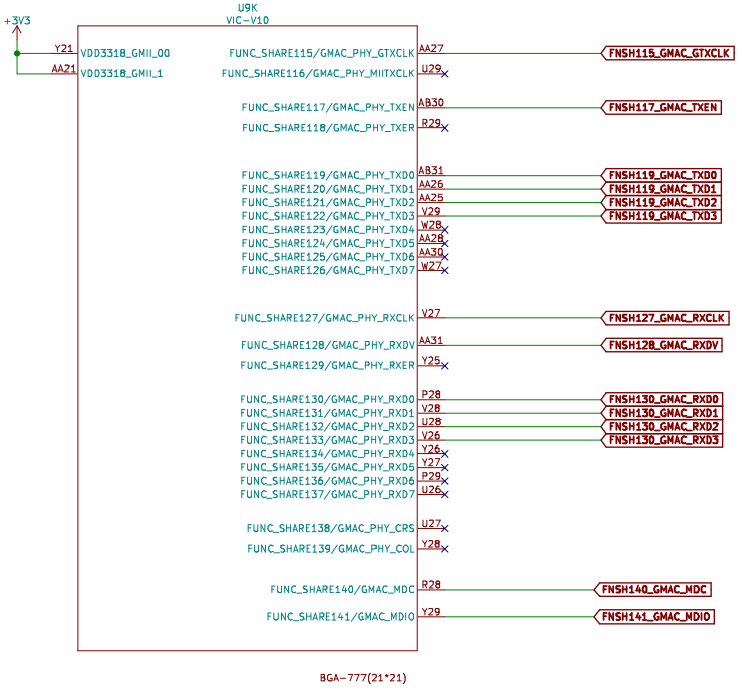
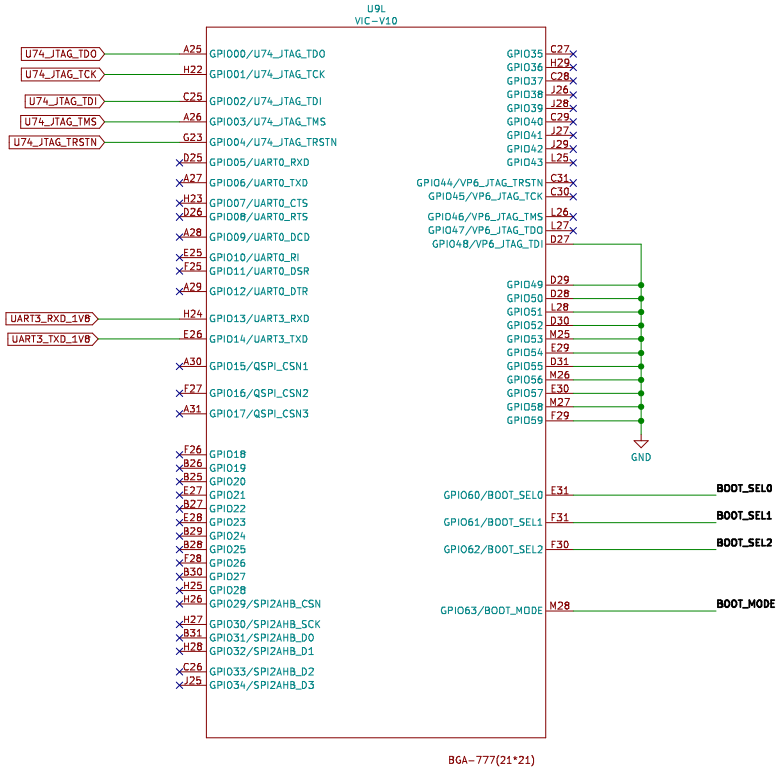
Title: Beagle V

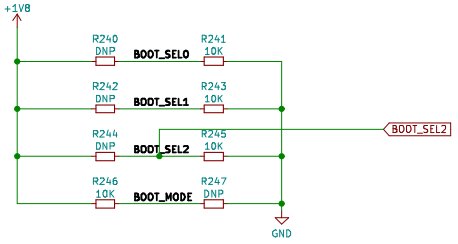
Size: A3	Date: 2021-06-03	**Rev: v0.7**
KiCad E.D.A. kicad 5.99.0-unknown-a6c3d74a73125ubuntu20.04.1		Id: 5/19

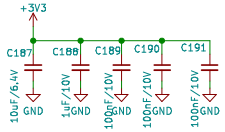
VIC LCD&RGMII

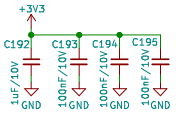












Sheet: /BeagleV VIC LCD & GMI & GPIOs/
File: BeagleV_VIC_LCD.kicad_sch

Title: Beagle V

Size: A3	Date: 2021-06-03	**Rev: v0.7**
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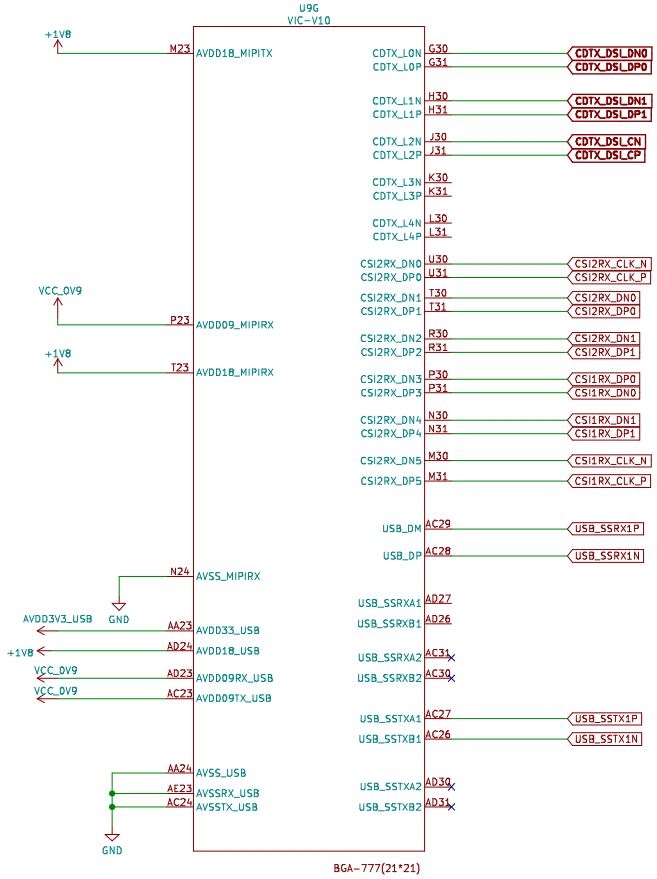
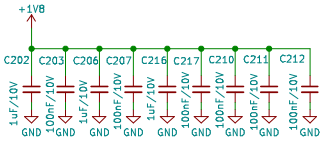
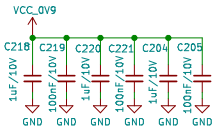
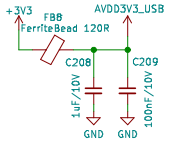
VIC MIPI&USB

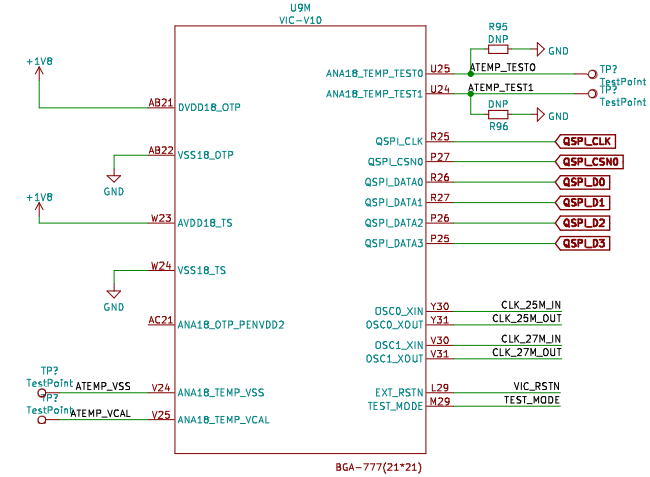


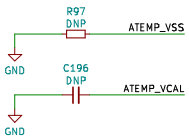


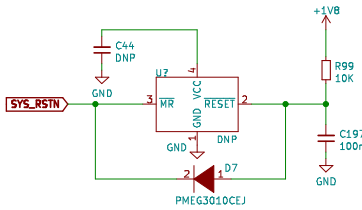


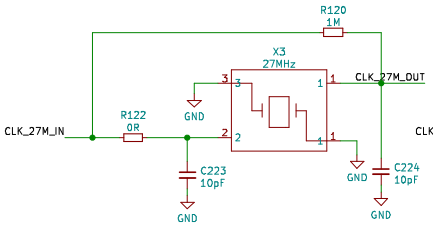


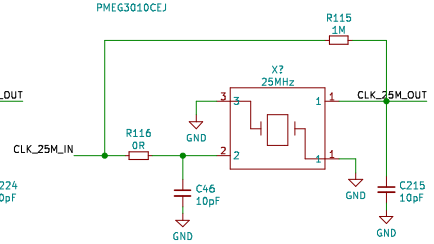
VIC CLOCK











Sheet: /BeagleV HighIF & Ctrl Other/
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Title: Beagle V

Size: A3	Date: 2021-06-03	**Rev: v0.7**
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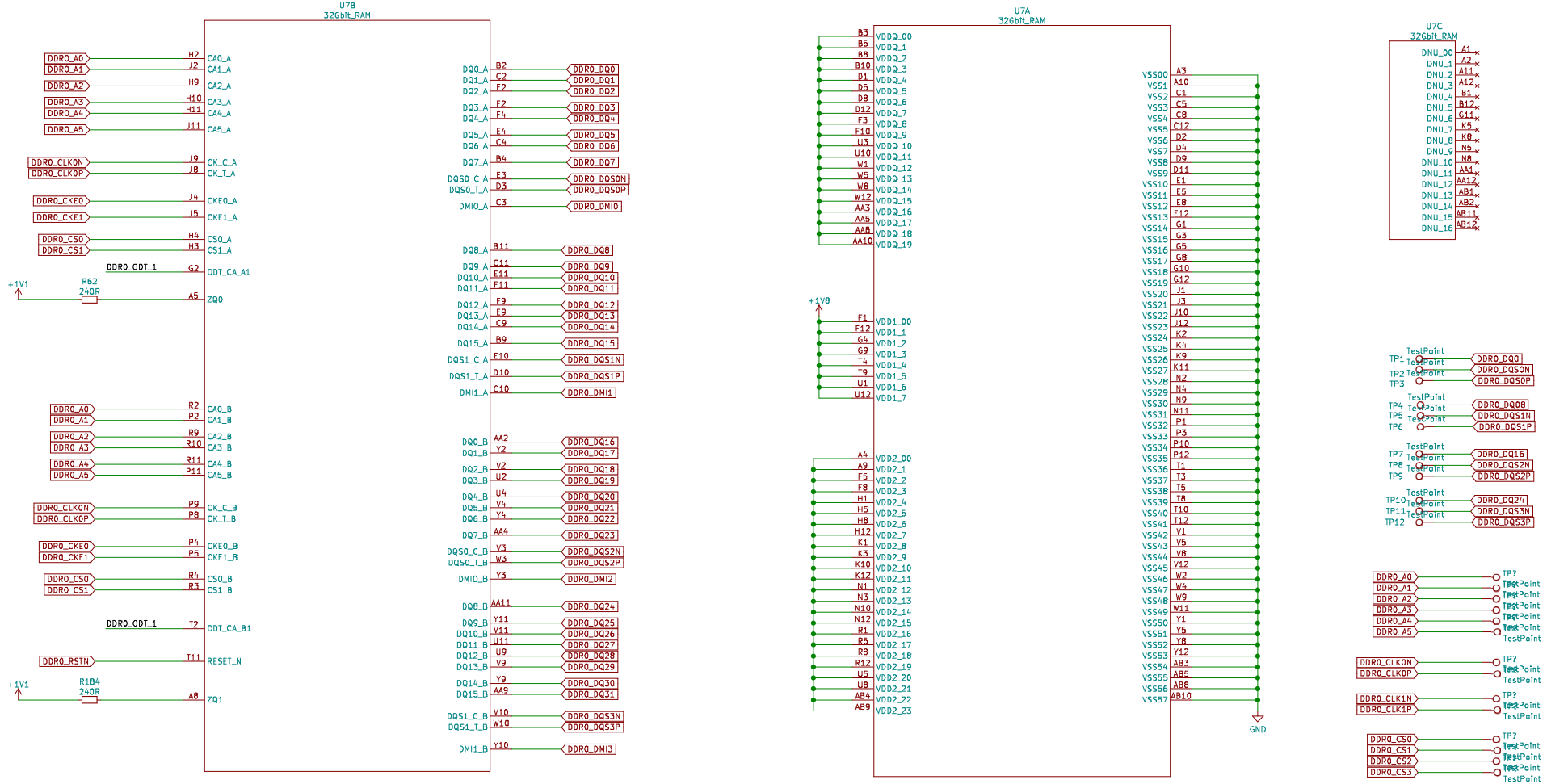
LPDDR4



Sheet: /BeagleV LPDDR (A)/		
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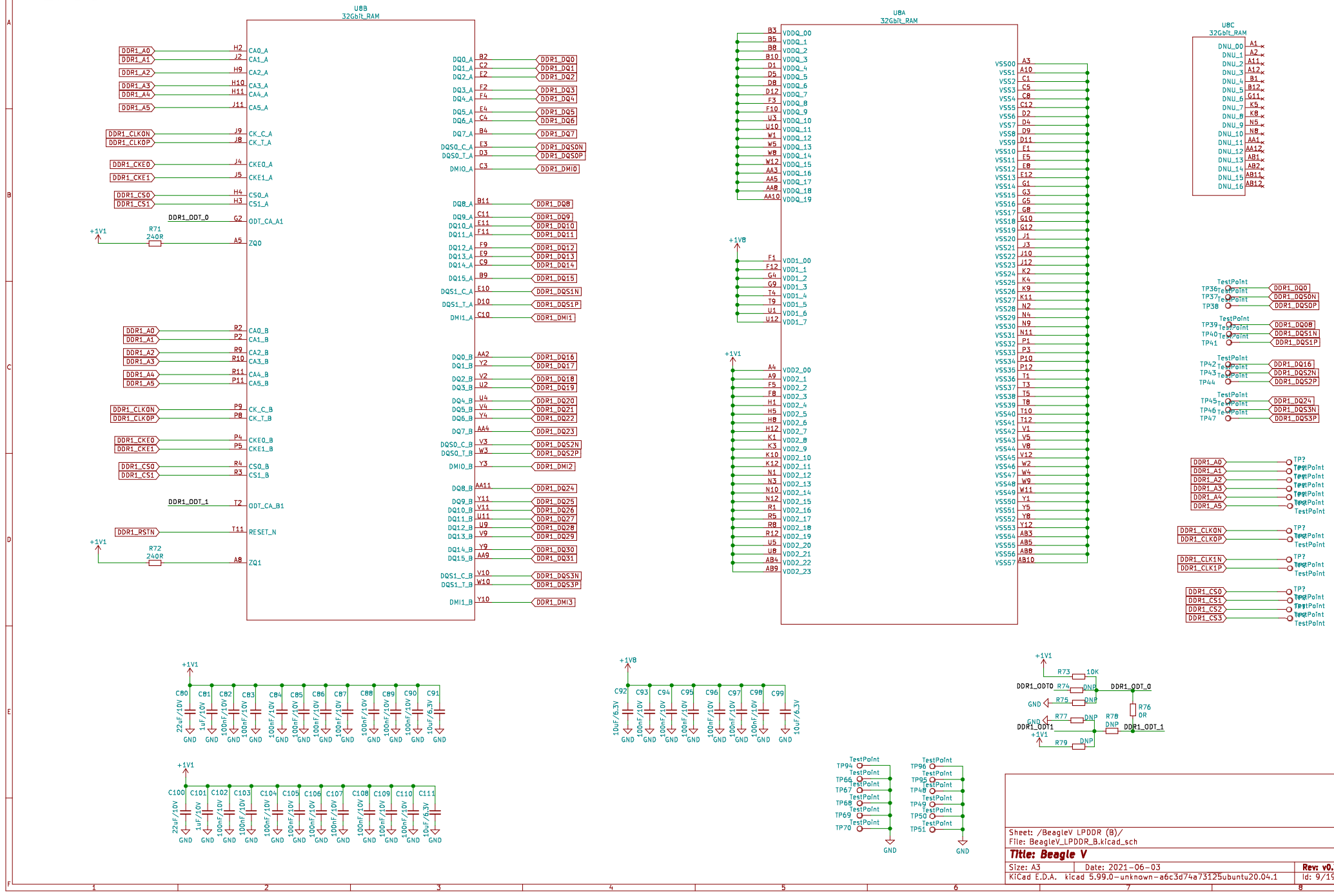
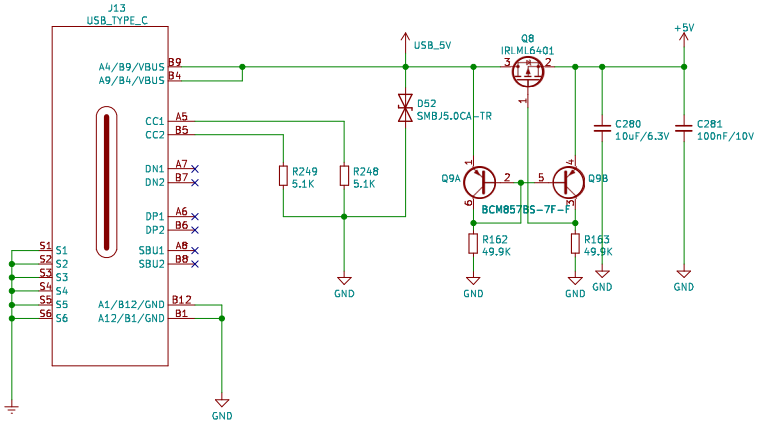
Size: A3	Date: 2021-06-03	**Rev: v0.7**
KiCad E.D.A. kicad 5.99.0-unknown-a6c3d74a73125ubuntu20.04.1		Id: 8/19

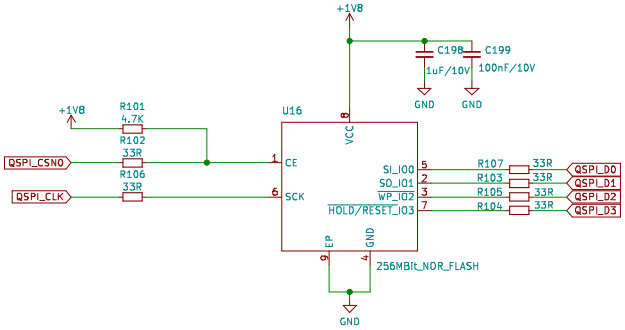
LPDDR4


U8B
32Gbit_RAM
U8A
32Gbit_RAM
U8C
32Gbit_RAM
DDR1_ODT_0
DDR1_ODT_1
R71
240R
R72
240R
+1V1
+1V8
GND
Sheet: /BeagleV LPDDR (B)/
File: BeagleV_LPDDR_B.kicad_sch
Title: Beagle V
Size: A3
Date: 2021-06-03
Rev: v0.7
KiCad E.D.A. kicad 5.99.0-unknown-a6c3d74a73125ubuntu20.04.1
Id: 9/19

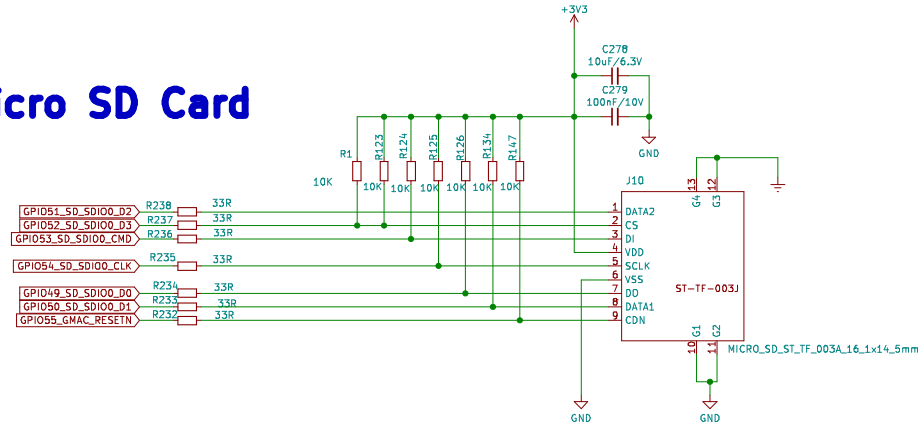
USB Type-C Power



Nor Flash For Boot



Micro SD Card



Sheet: /BeagleV Type C, uSD, QSIP Flash/		
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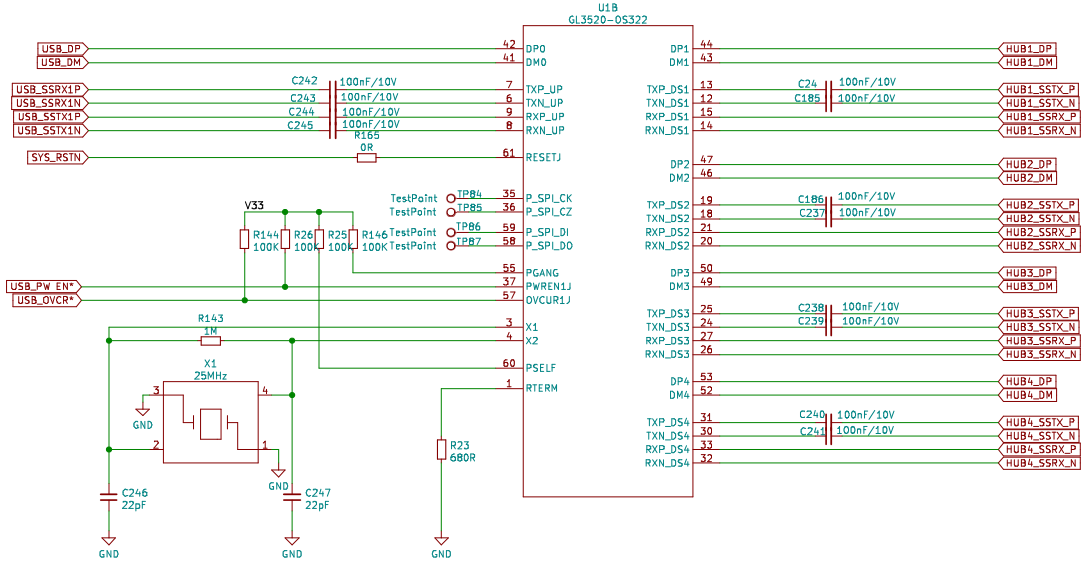
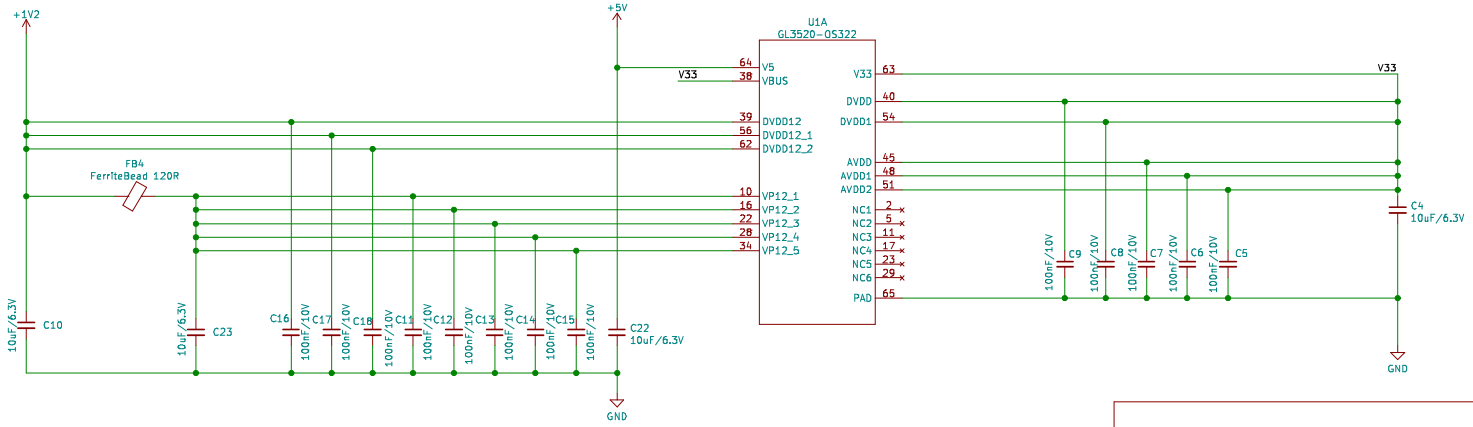
Title: Beagle V		
Size: A3	Date: 2021-06-03	**Rev: v0.7**
KiCad E.D.A. kicad 5.99.0-unknown-a6c3d74a73125ubuntu20.04.1		Id: 10/19

USB 3.0 HUB
TBD





Sheet: /BeagleVUSB 3.0 HUB/
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Title: Beagle V

Size: A3	Date: 2021-06-03	**Rev: v0.7**
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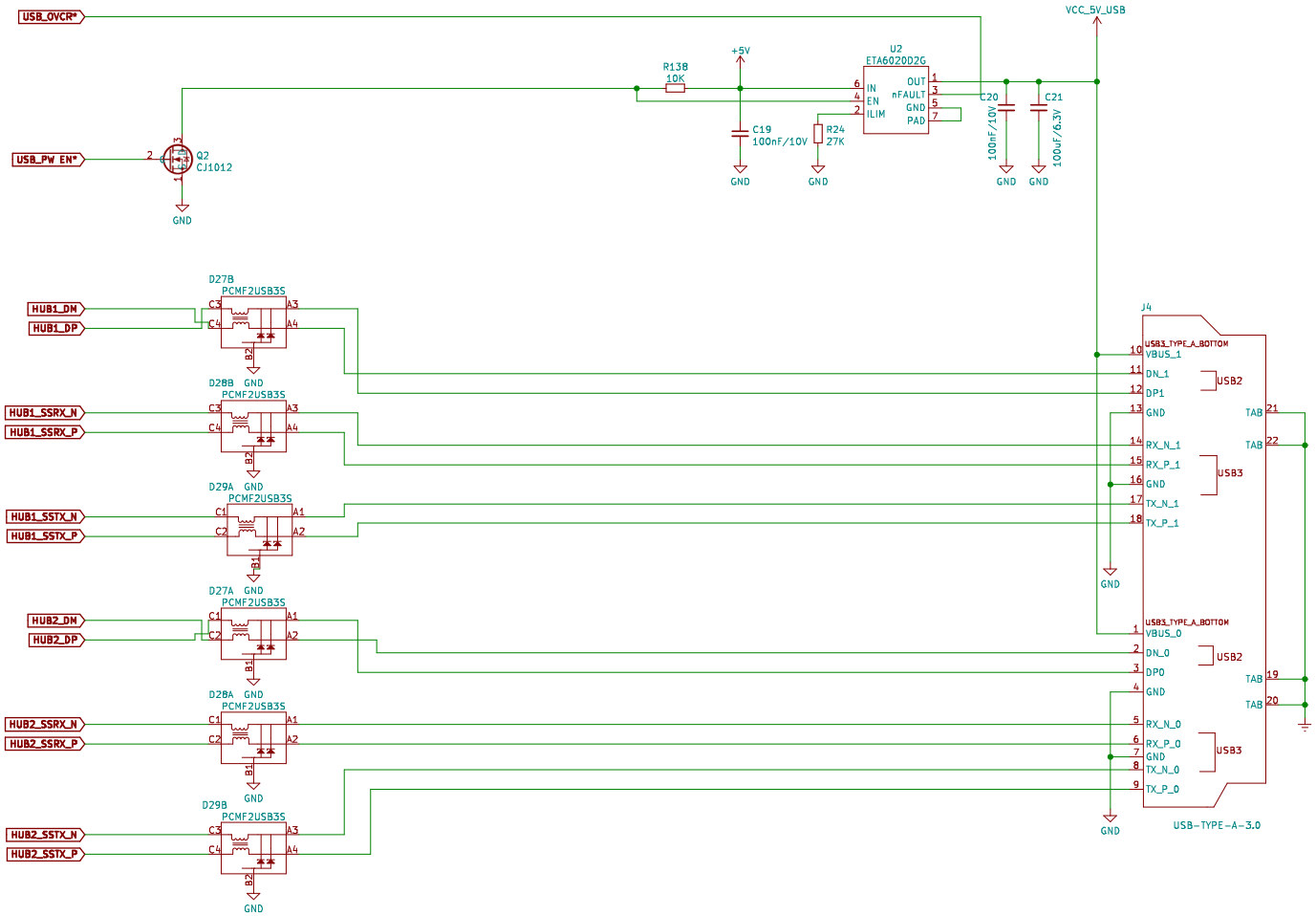

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Size: A3	Date: 2021-06-03	**Rev: v0.7**
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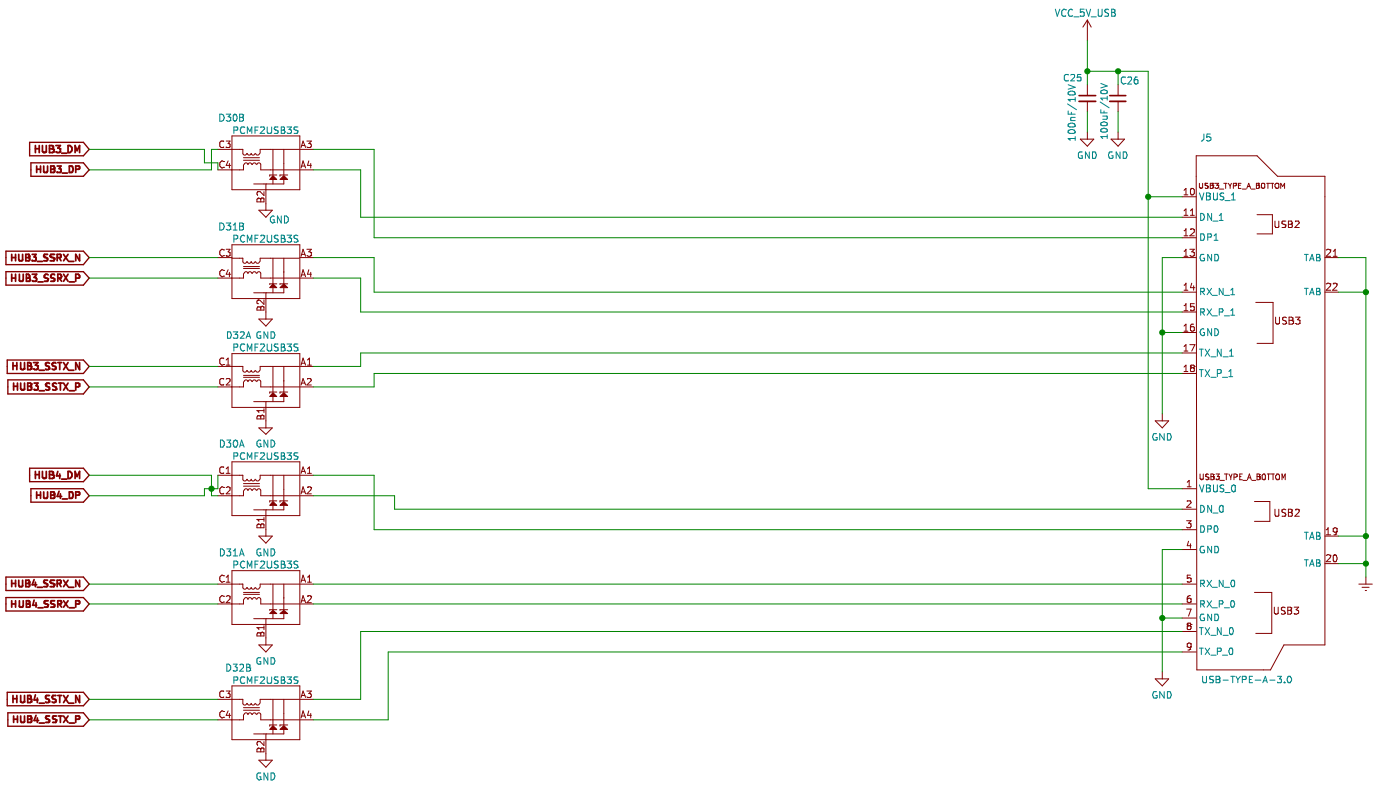

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Title: Beagle V

Size: A3	Date: 2021-06-03	**Rev: v0.7**
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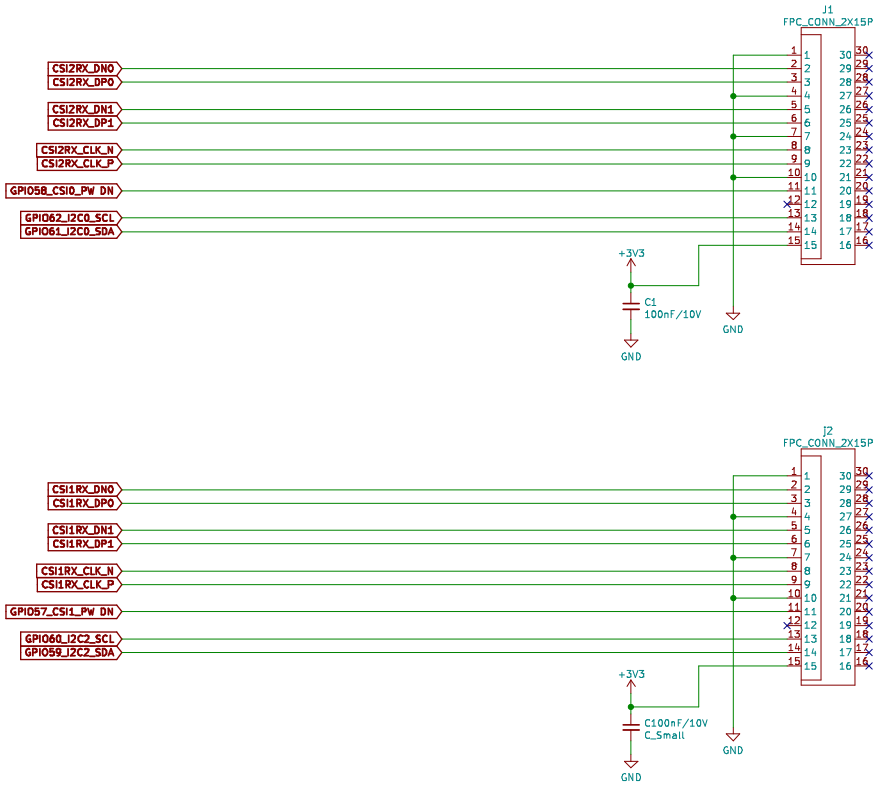
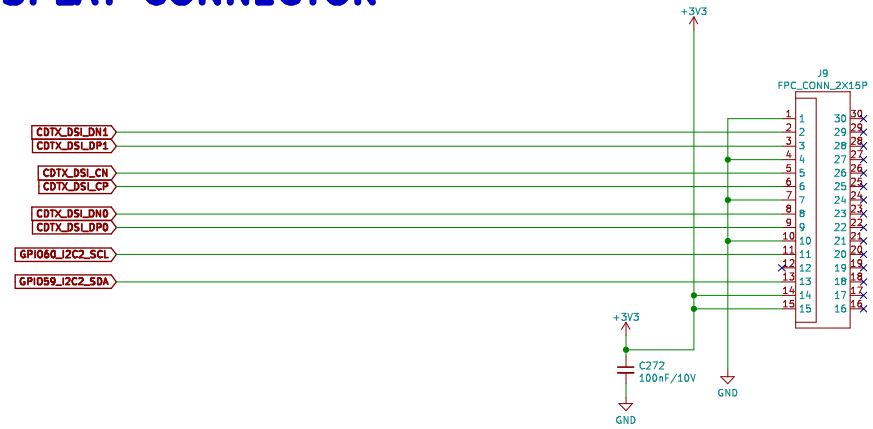
CAMERA CONNECTOR

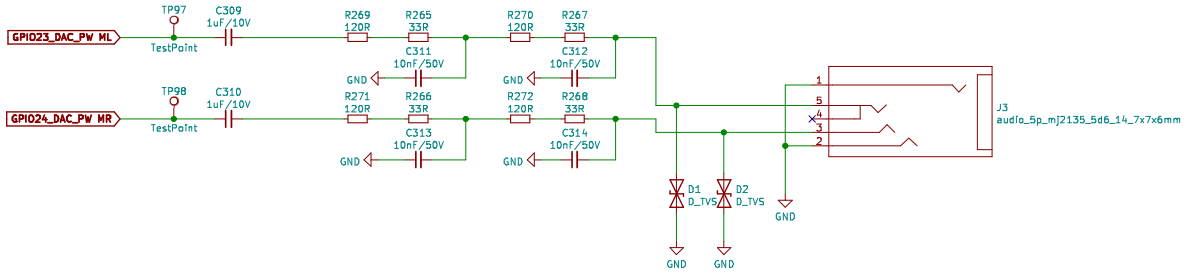


Sheet: /BeagleV CSI CONN/		
File: BeagleV_CSI_Conn.kicad_sch		
Title: Beagle V		
Size: A3	Date: 2021-06-03	**Rev: v0.7**
KiCad E.D.A. kicad 5.99.0-unknown-a6c3d74a73125ubuntu20.04.1		Id: 14/19

DISPLAY CONNECTOR



AUDIO



Sheet: /BeagleV DSI, AUDIO JACK/		
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Title: Beagle V		
Size: A3	Date: 2021-06-03	**Rev: v0.7**
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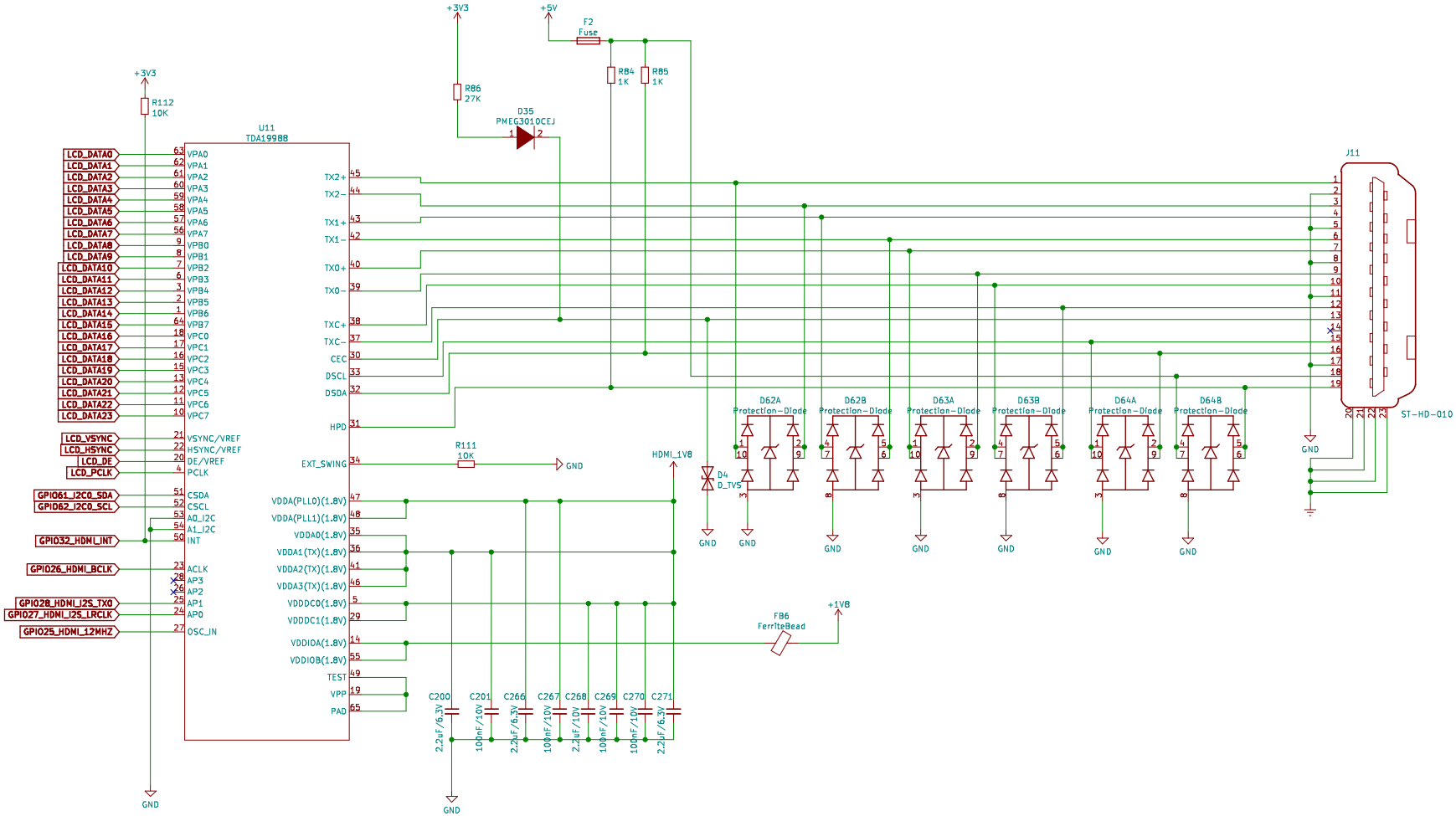
LCD to HDMI



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Size: A3	Date: 2021-06-03	**Rev: v0.7**
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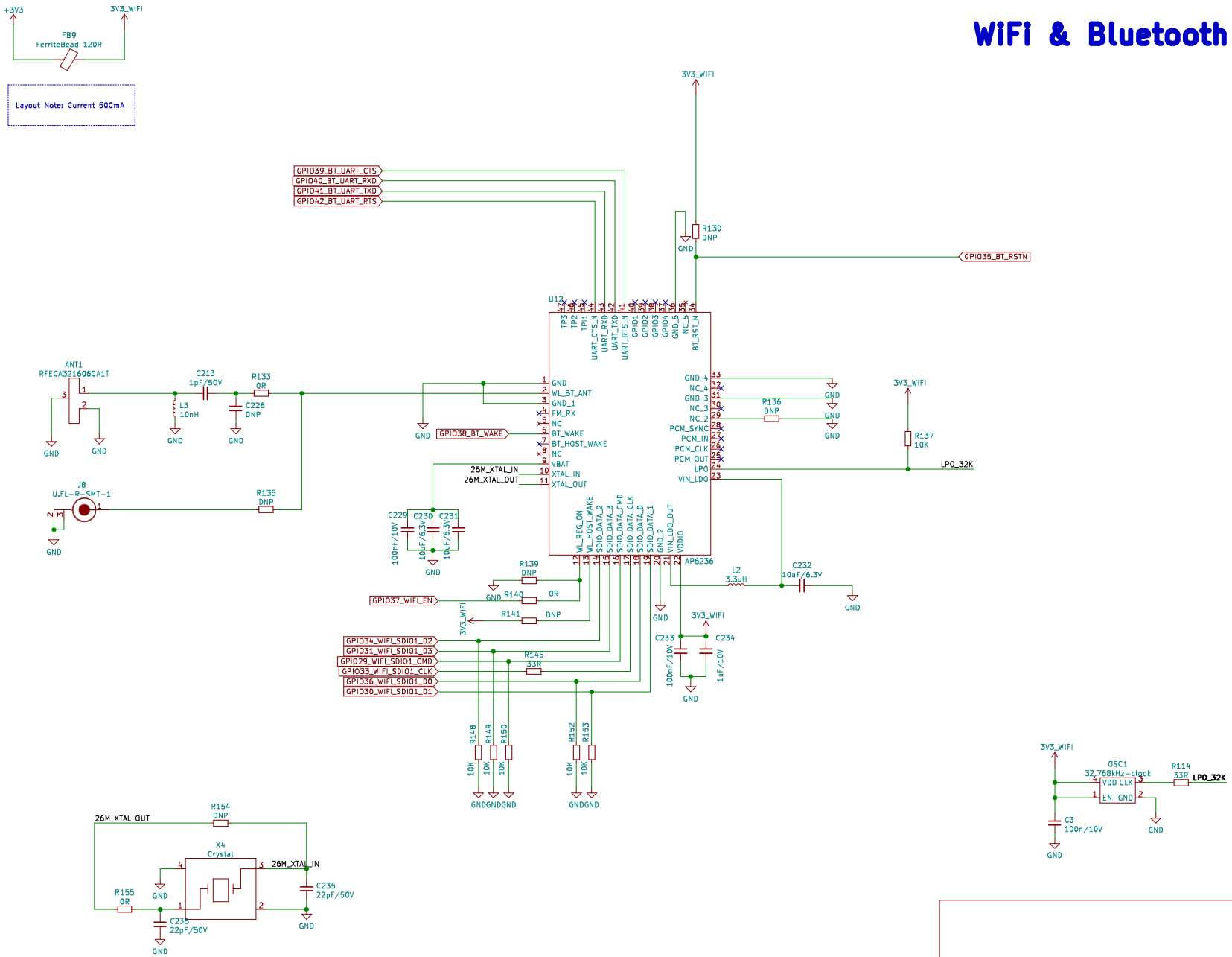
WiFi & Bluetooth



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Title: Beagle V

Size: A3	Date: 2021-06-03	Rev: v0.7
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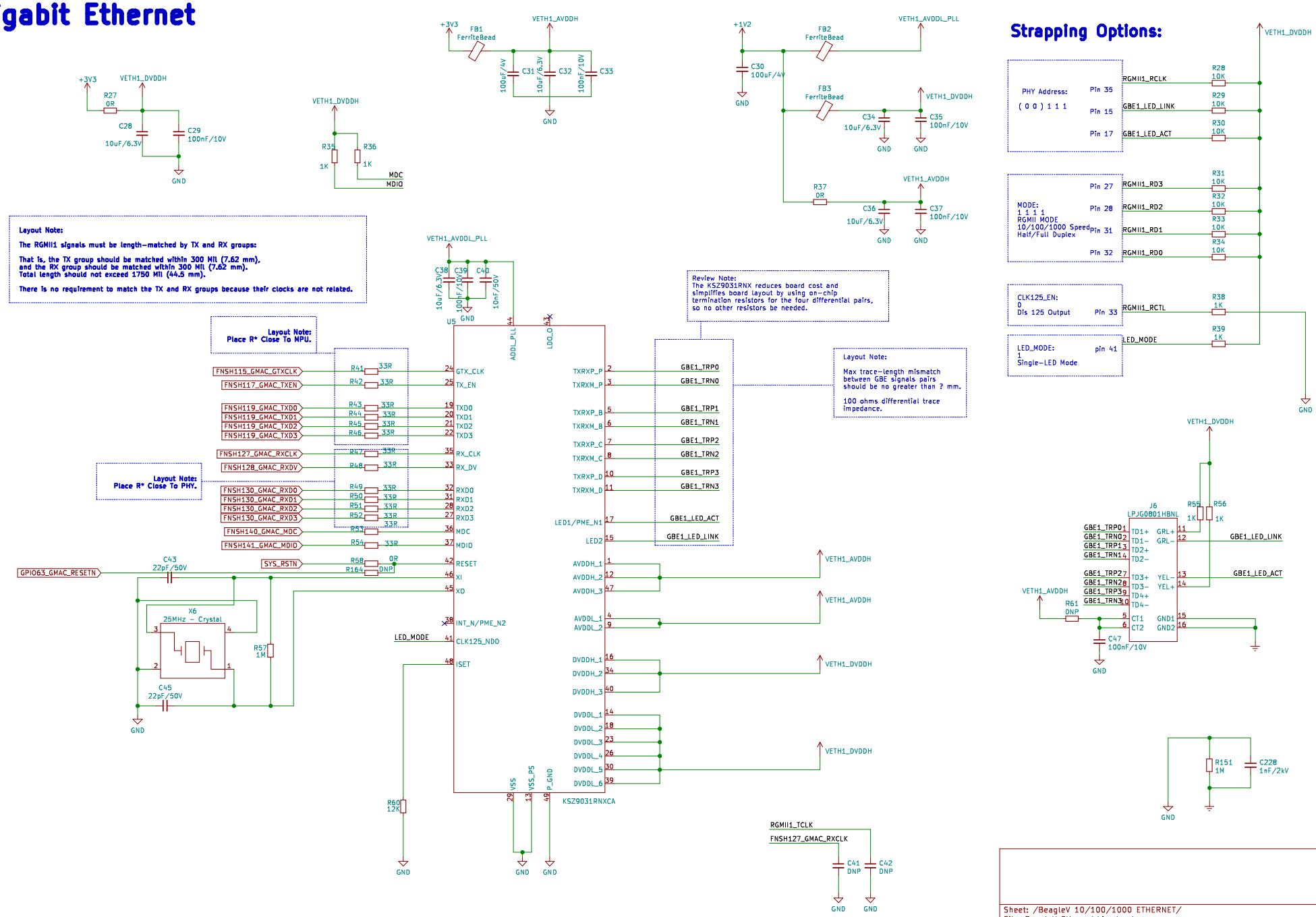
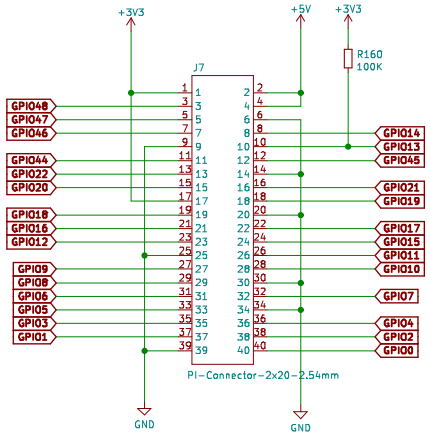
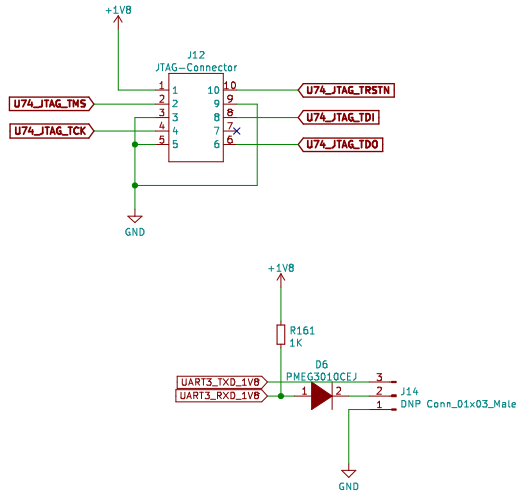
Gigabit Ethernet



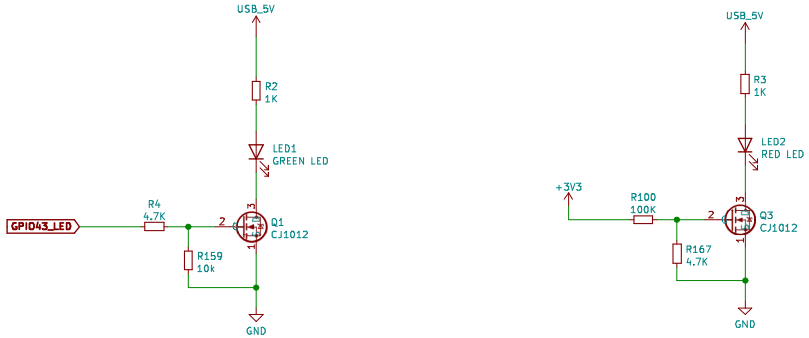
PI Connector



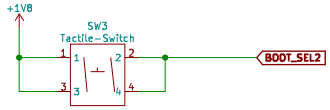
JTAG 1V8
for Tag-Connect cable



ACK&Power LEDs



Boot from UART



Sheet: /BeagleV RPI EXP CONN, LED, BUTTON/
File: BeagleV_RPI_Conn.kicad_sch

Title: Beagle V

Size: A3	Date: 2021-06-03	**Rev: v0.7**
KiCad E.D.A. kicad 5.99.0-unknown-a6c3d74a73125ubuntu20.04.1		Id: 19/19