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UL = UnLoaded = normally not mounted component.

Default jumper settings are indicated in the schematic.
However, always check jumper positions on actual boards
since there is no guarantee that all jumpers are in default place.

Rev A

First official release



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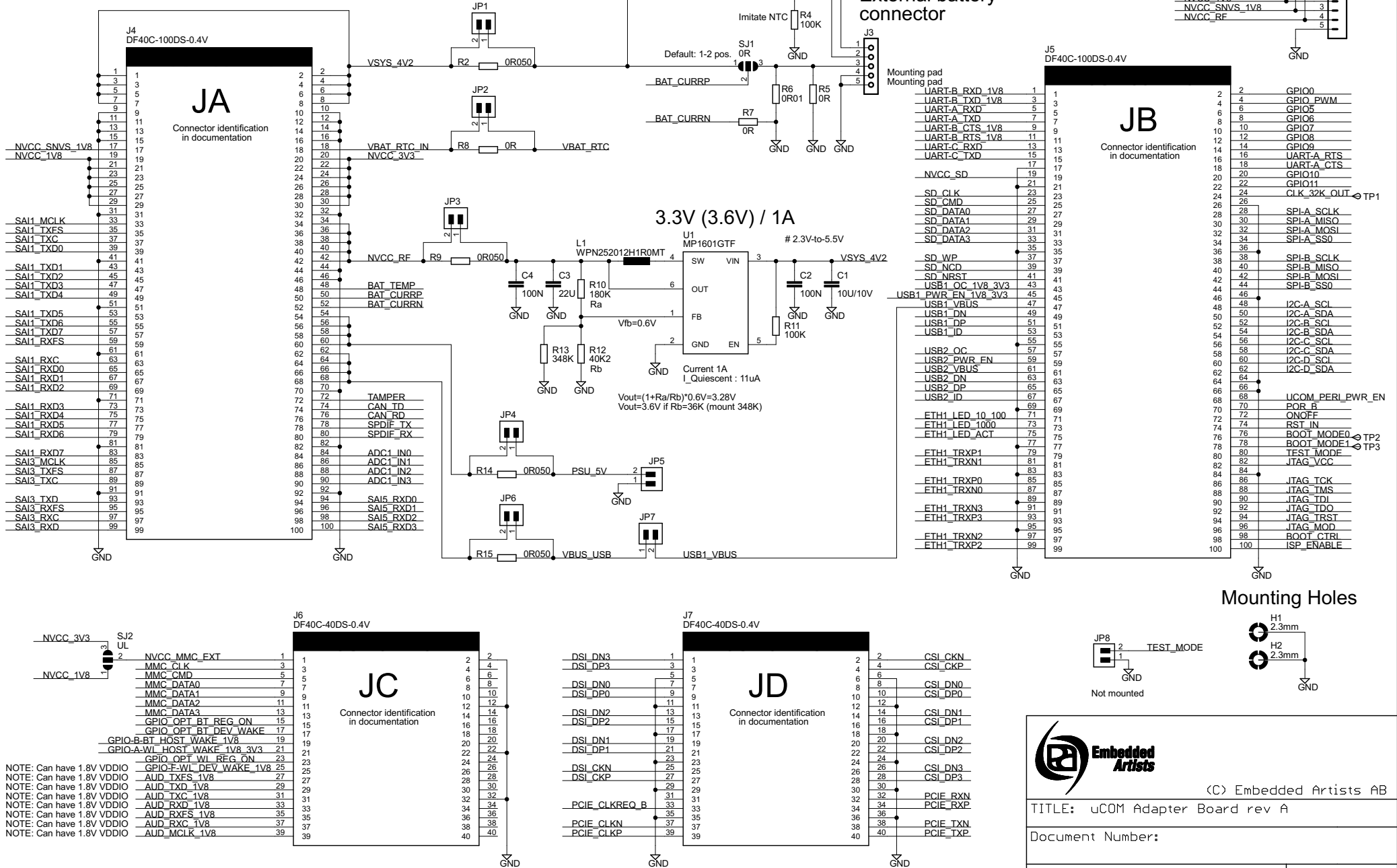
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uCOM Expansion Connectors



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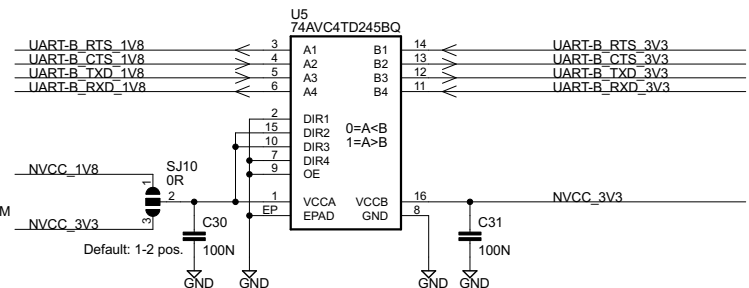
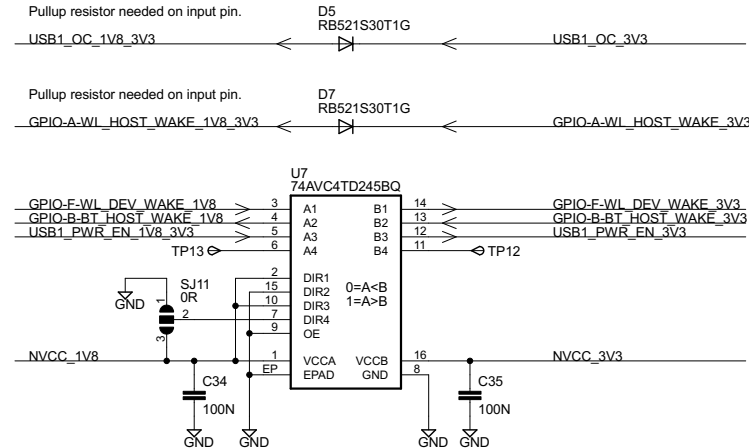
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Voltage Translators

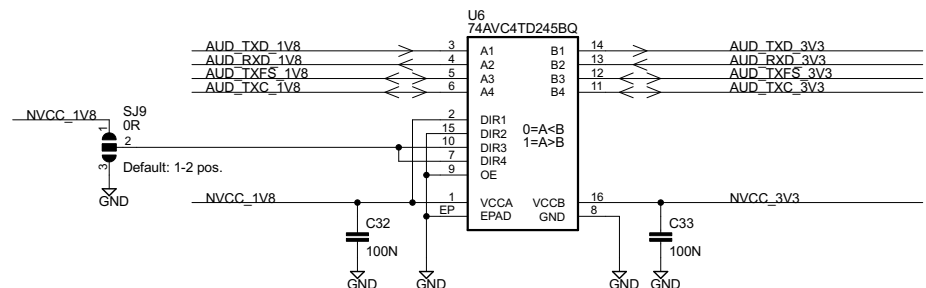
uCOM side

Carrier board side

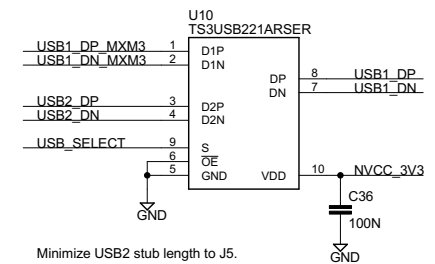


1.8V logic level needed for iMX7ULP uCOM, but iMX8M Mini uCOM has 3.3V logic level.

Mount SJ10 in 1-2 position for iMX7ULP uCOM
Mount SJ10 in 2-3 position for iMX8M Mini uCOM



USB multiplexor to allow iMX7ULP
USB channel to connect to USB2



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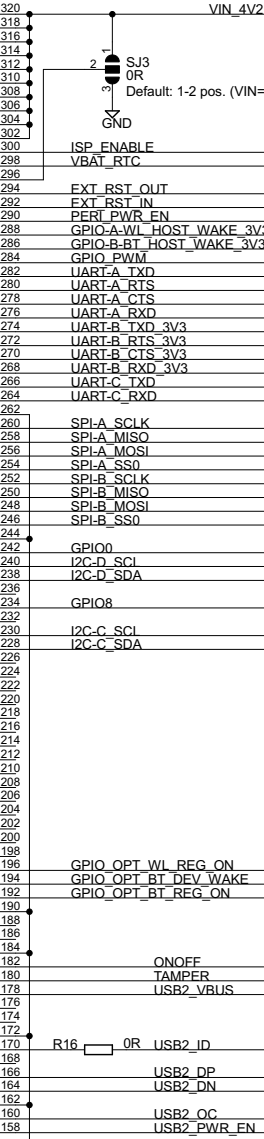
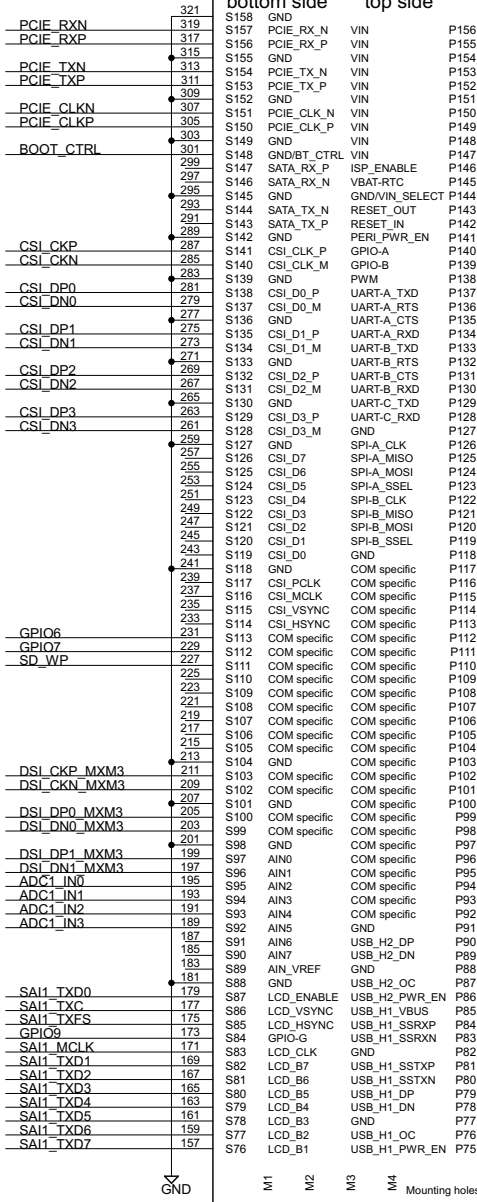
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MXM3 edge connector

J8B
MXM3 edge connector

MXM3 connector bottom side top side



GPIO_K
GPIO_L
GPIO_M

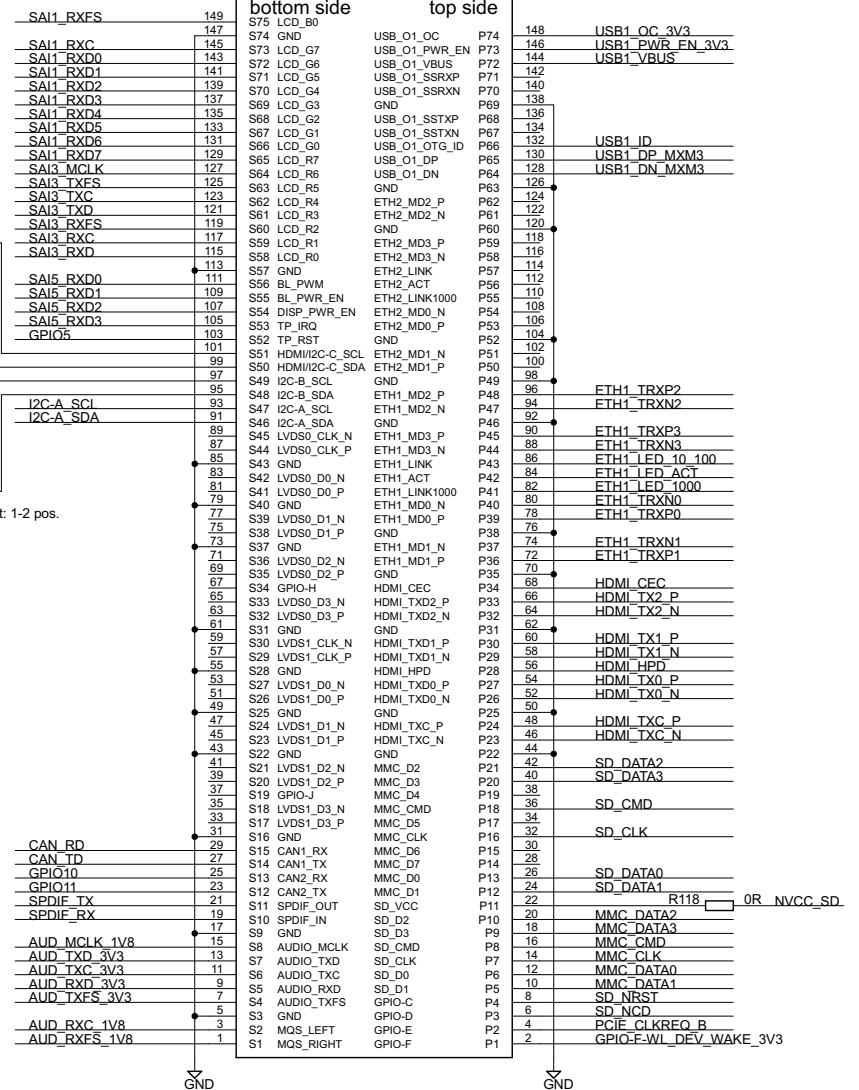
GPIO_P-M2_ALERT

GPIO_R
GPIO_S

GPIO_AJ
GPIO_AK
GPIO_AL

J8A
MXM3 edge connector

MXM3 connector bottom side top side



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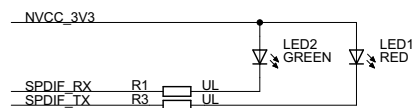
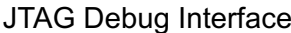
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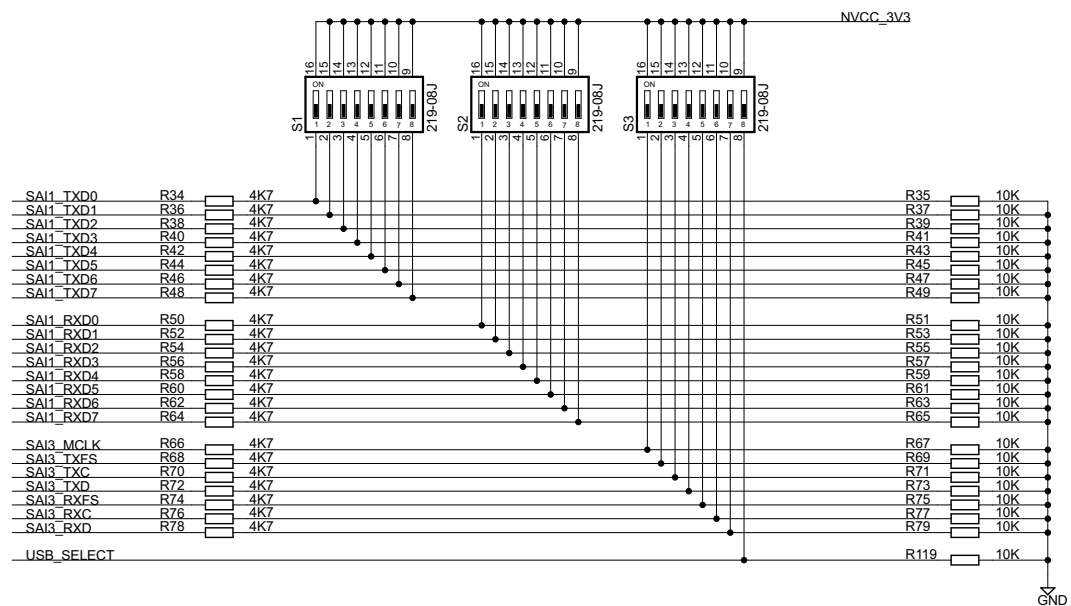
JTAG debug interface



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Boot Mode Control



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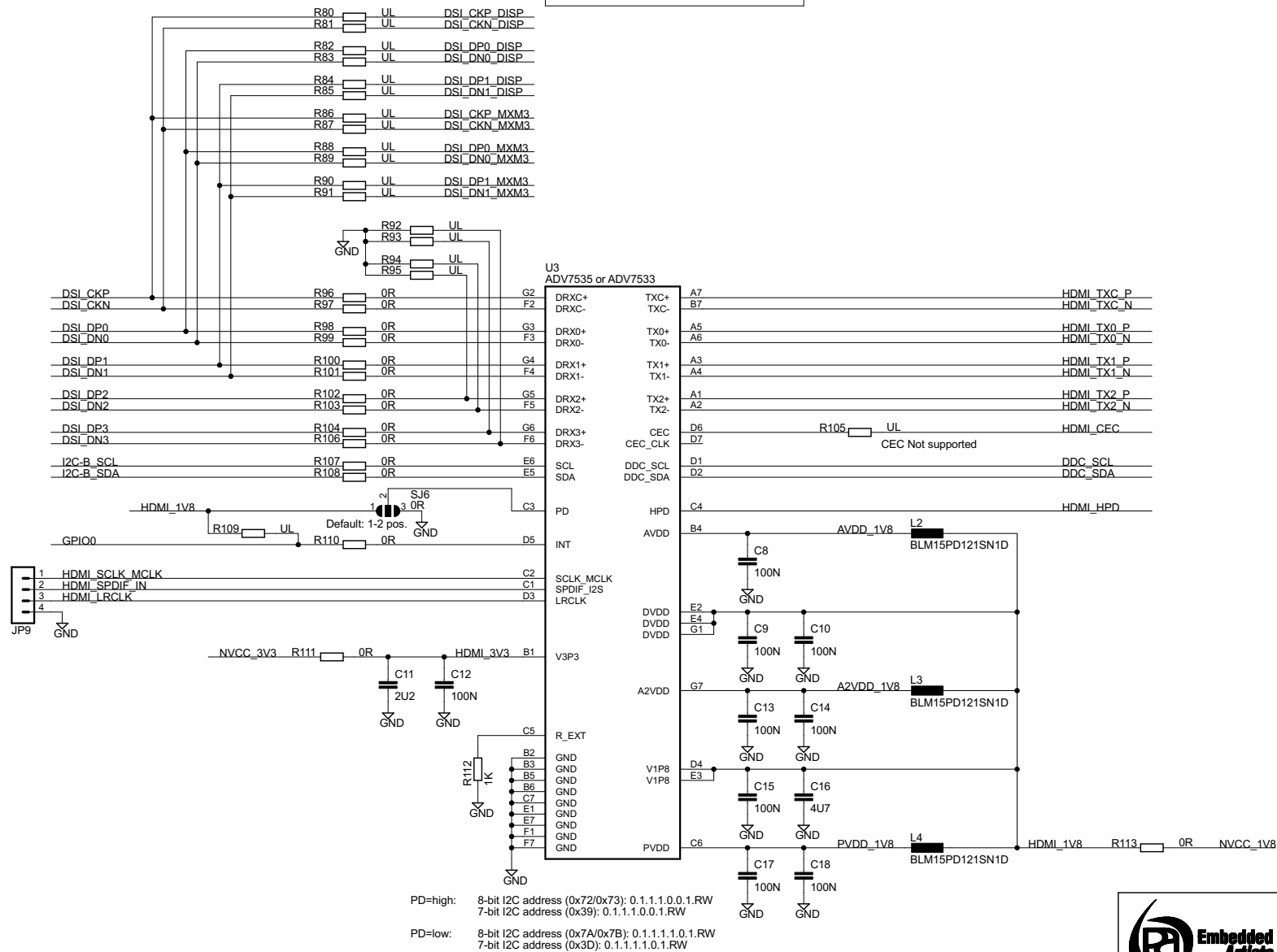
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MIPI-DSI to HDMI



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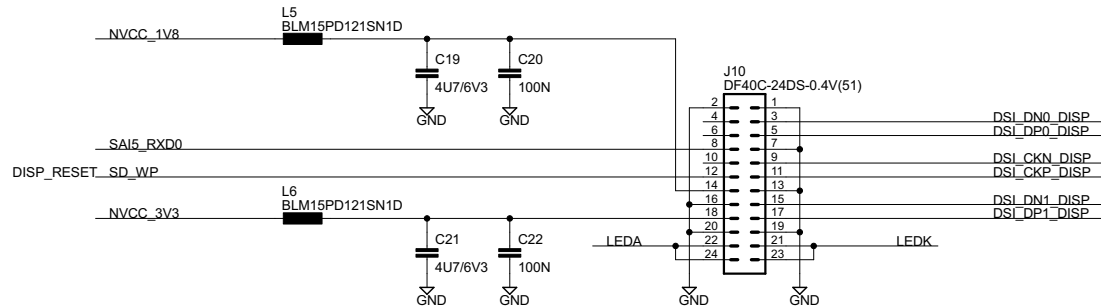
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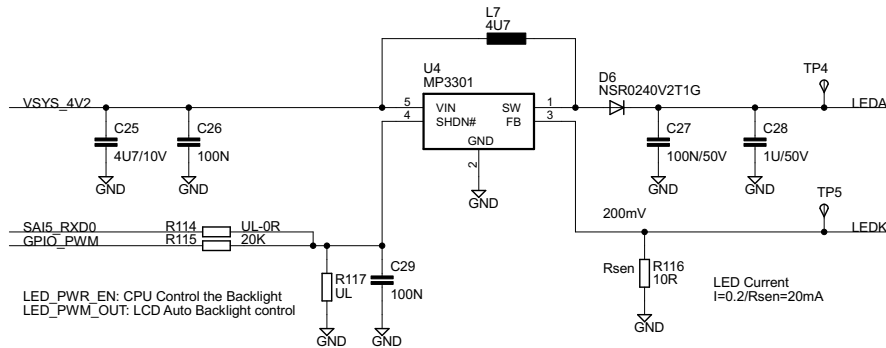
MIPI Display & Touch

MIPI DSI



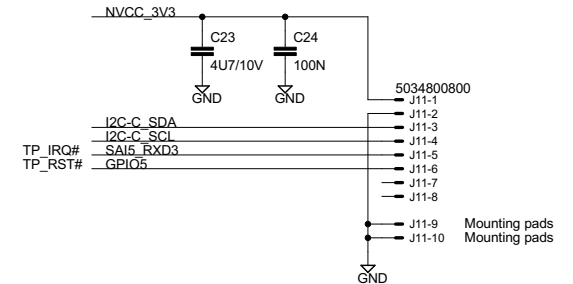
Note:
 1. HDMI is the default display, alternative with MIPI Panel;
 2. When MIPI Panel is used, R30-R35 should be populated;
 3. When MIPI Panel is used, R41,R51,R43-R46 should be removed;

LCD LED BackLight



LED_PWR_EN: CPU Control the Backlight
 LED_PWM_OUT: LCD Auto Backlight control

TOUCH



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