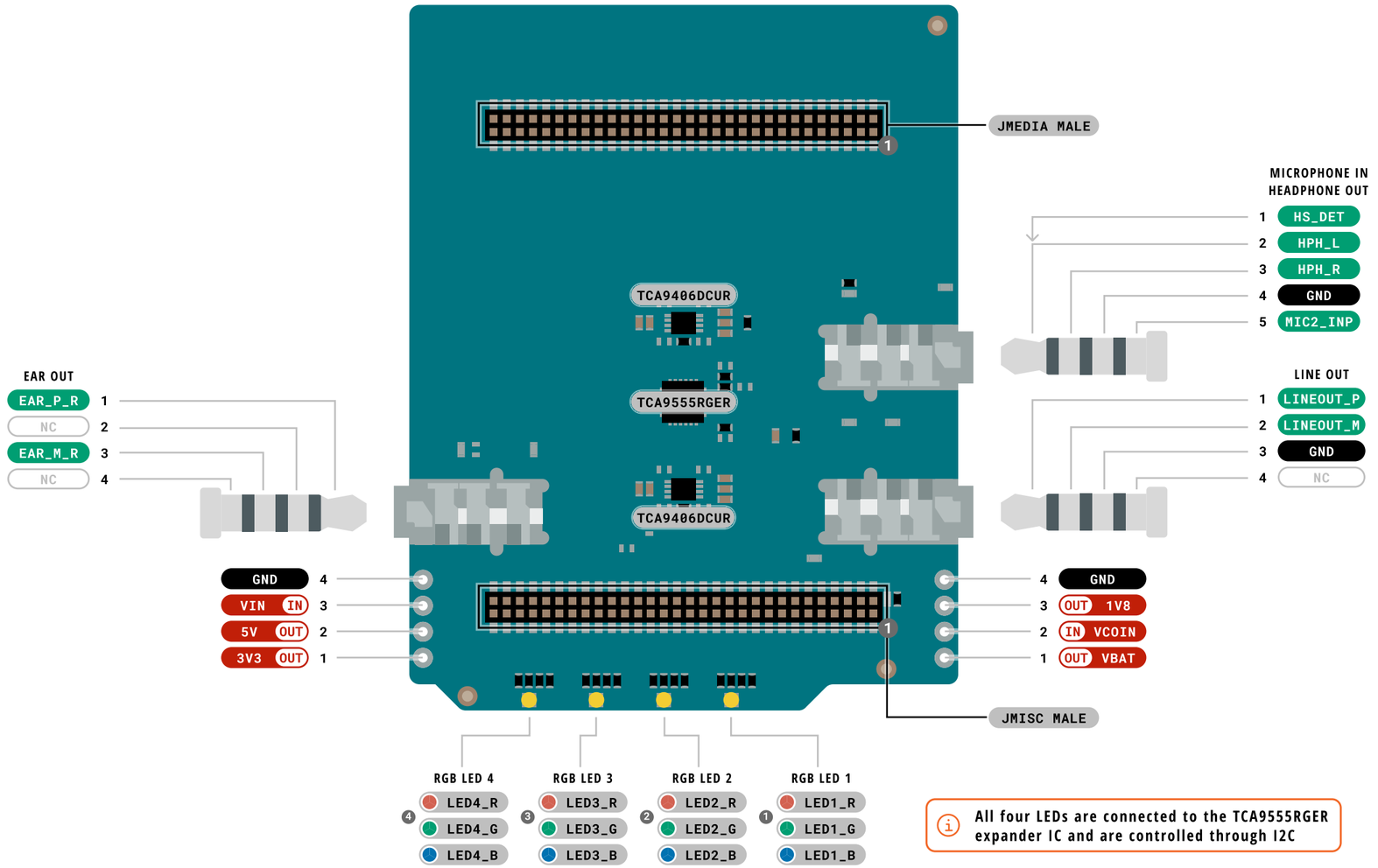
TOP VIEW



All four LEDs are connected to the TCA9555RGER expander IC and are controlled through I2C

Legend:

- Power
- Ground
- IN Power Input
- OUT Power Output
- GPIO Digital External
- Analog External
- Main Part
- Secondary Part
- Internal Component
- Other Pins (Reset, System Control, Debugging)
- I2C — D Default
- SPI — D Default
- UART/USART — D Default
- Other SERIAL
- Analog — D Default
- PWM/Timer
- LED
- RGB LED

ARDUINO UNO MEDIA CARRIER

SKU code: ASX00083
Full Pinout - Page 1 of 4
Last update: 11 Feb, 2026

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WARNING!

Advanced Section

The following information is for advanced use only and may not be officially supported by Arduino software

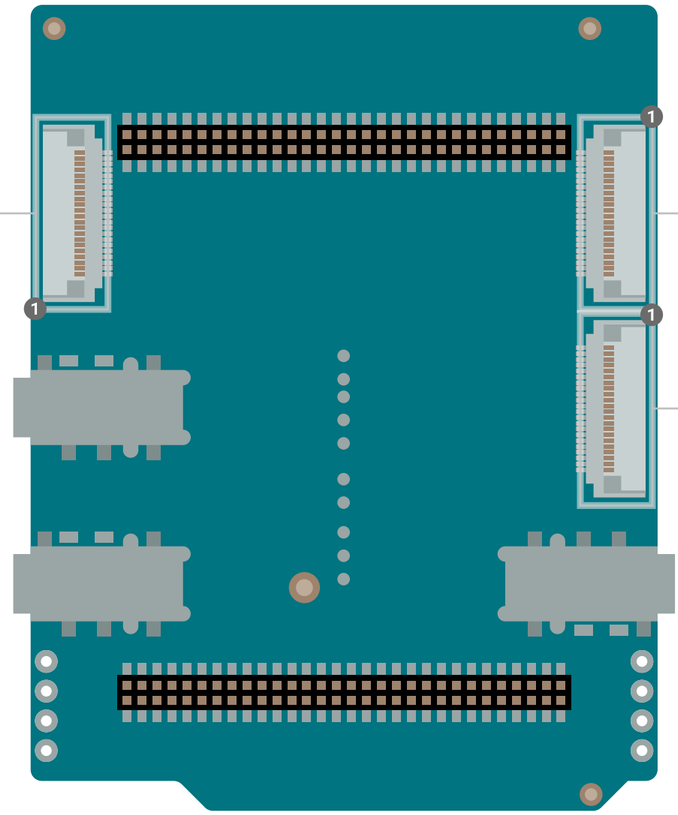
DISPLAY

+3V3	OUT	22
CCI_I2C_SDA0		21
CCI_I2C_SCL0		20
GND		19
NC		18
NC		17
GND		16
MIPI_DSI0_L3_P		15
MIPI_DSI0_L3_M		14
GND		13
MIPI_DSI0_L2_P		12
MIPI_DSI0_L2_M		11
GND		10
MIPI_DSI0_CLK_P		9
MIPI_DSI0_CLK_M		8
GND		7
MIPI_DSI0_L1_P		6
MIPI_DSI0_L1_M		5
GND		4
MIPI_DSI0_L0_P		3
MIPI_DSI0_L0_M		2
GND		1

MPU Pins

1.8V Logic

BOTTOM VIEW

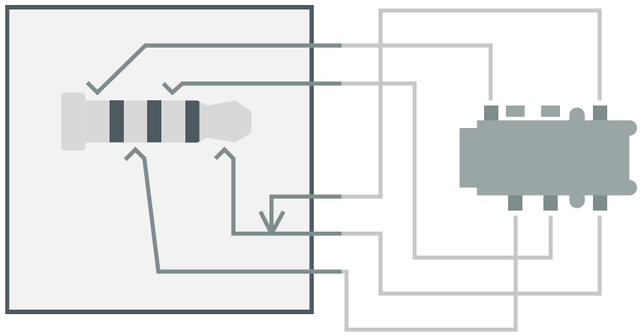


CAMERA0

1	GND	
2	CSI0_C0_LN0_M	
3	CSI0_B0_LN0_P	
4	GND	
5	CSI0_B1_LN1_M	
6	CSI0_A1_LN1_P	
7	GND	
8	CSI0_A0_CLK_M	
9	CSI0_NC_CLK_P	
10	GND	
11	CSI0_A2_LN2_M	
12	CSI0_C1_LN2_P	
13	GND	
14	CSI0_C2_LN3_M	
15	CSI0_B2_LN3_P	
16	GND	
17	CSI0_POWER_EN	
18	CSI0_GPIO1	
19	GND	
20	CCI_I2C_SCL0	
21	CCI_I2C_SDA0	
22	OUT	+3V3

CAMERA1

1	GND	
2	CSI1_C0_LN0_M	
3	CSI1_B0_LN0_P	
4	GND	
5	CSI1_B1_LN1_M	
6	CSI1_A1_LN1_P	
7	GND	
8	CSI1_A0_CLK_M	
9	CSI1_NC_CLK_P	
10	GND	
11	CSI1_A2_LN2_M	
12	CSI1_C1_LN2_P	
13	GND	
14	CSI1_C2_LN3_M	
15	CSI1_B2_LN3_P	
16	GND	
17	CSI1_POWER_EN	
18	CSI1_GPIO1	
19	GND	
20	CCI_I2C_SCL1	
21	CCI_I2C_SDA1	
22	OUT	+3V3



AUDIO JACK CONNECTIONS

Legend:

- Power
- Ground
- IN Power Input
- OUT Power Output
- GPIO Digital External
- Analog External
- Main Part
- Secondary Part
- Internal Component
- Other Pins (Reset, System Control, Debugging)
- I2C — D Default
- SPI — D Default
- UART/USART — D Default
- Other SERIAL
- Analog Audio — D Default
- PWM/Timer
- LED
- RGB LED

WARNING Be aware of the pins logic level.

Analog Audio functionality is provided by the PMIC

ARDUINO UNO MEDIA CARRIER

SKU code: ASX00083
Full Pinout - Page 3 of 4
Last update: 11 Feb, 2026

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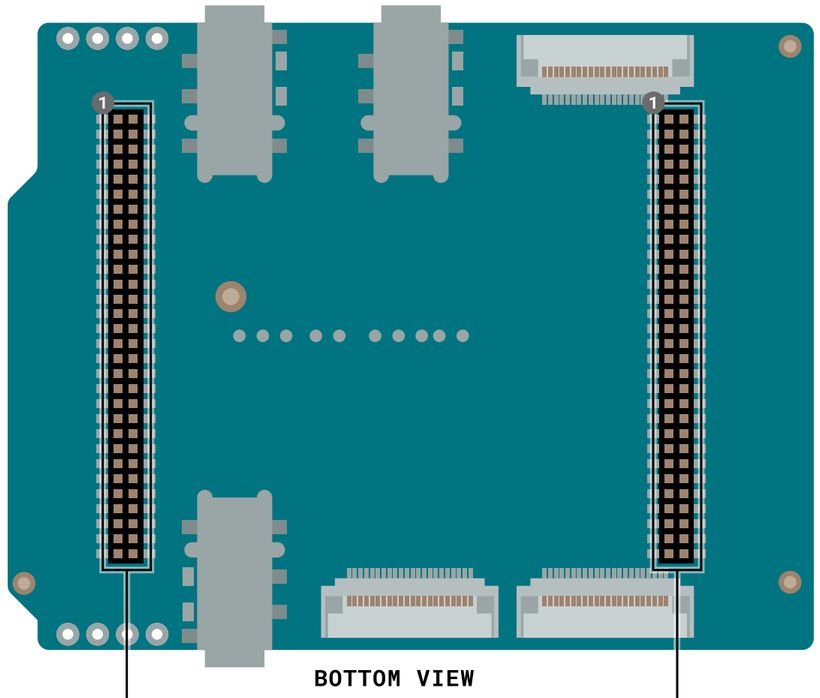
JMISC

PC6	MCU_PSSI_D0	1	2	MCU_SDMMC1_CMD	PD2		
PC7	MCU_PSSI_D1	3	4	MCU_TRACE_CLK	PE2		
PC8	MCU_PSSI_D2	5	6	MCU_TRACE_D0	PE3		
PC9	MCU_PSSI_D3	7	8	MCU_TRACE_D2	PE5		
PE4	MCU_PSSI_D4	9	10	MCU_TRACE_D3	PE6		
PI4	MCU_PSSI_D5	11	12	MCU_PE7	PE7		
PI6	MCU_PSSI_D6	13	14	MCU_PE8	PE8		
PI7	MCU_PSSI_D7	15	16	MCU_I2C4_SCL	PF14		
PD9	MCU_PSSI_PDCK	17	18	MCU_I2C4_SDA	PF15		
PI5	MCU_PSSI_RDY	19	20	MCU_OPAMP1_VOUT	PA3		
PD8	MCU_PSSI_DE	21	22	MCU_OPAMP1_VINP	PA0		
PA8	MCU_MCO	23	24	MCU_OPAMP1_VINM	PA1		
PA10	MCU_CRS_SYNC	25	26	GND			
	GND	27	28	EAR_P_R			
	MIC2_INP	29	30	EAR_M_R			
GND	MIC2_INM	31	32	LINEOUT_P			
	MIC2_BIAS	33	34	LINEOUT_M			
	GND	35	36	HPH_L			
	SOC_GPIO_0_SE0	37	38	HPH_R			
	SOC_GPIO_1_SE0	39	40	HPH_REF	GND		
	SOC_GPIO_2_SE0	41	42	HS_DET			
	SOC_GPIO_3_SE0	43	44	GND			
	SOC_GPIO_86_SE0	45	46	SOC_GPIO_98			
	SOC_GPIO_82_SE0	47	48	SOC_GPIO_99			
	SOC_GPIO_18	49	50	SOC_GPIO_100			
	SOC_GPIO_28	51	52	SOC_GPIO_101			
	+3V3 OUT	53	54	OUT +5V USB			
	+3V3 OUT	55	56	OUT +5V USB			
	+1V8 OUT	57	58	GND			
	VCOIN IN	59	60	OUT VBAT			

MCU Pins
3.3V Logic

MPU Pins
1.8V Logic



BOTTOM VIEW

JMEDIA

GND	1	2	GND		
NC	3	4	NC		
NC	5	6	NC		
GND	7	8	GND		
NC	9	10	NC		
NC	11	12	NC		
GND	13	14	GND		
NC	15	16	SOC_CAM_MCLK0	GPIO_20	
NC	17	18	SOC_CAM_MCLK1	GPIO_21	
GND	19	20	GND		
NC	21	22	CCI_I2C_SDA1	GPIO_29	
NC	23	24	CCI_I2C_SCL1	GPIO_30	
GND	25	26	GND		
NC	27	28	NC		
NC	29	30	NC		
GND	31	32	GND		
NC	33	34	NC		
NC	35	36	NC		
GND	37	38	GND		
NC	39	40	NC		
NC	41	42	NC		
GND	43	44	GND		
NC	45	46	NC		
NC	47	48	NC		
GND	49	50	GND		
GPIO_23	CCI_I2C_SCL0	51	52	NC	
GPIO_22	CCI_I2C_SDA0	53	54	NC	
GND	55	56	GND		
VIN IN	57	58	OUT +3V3		
VIN IN	59	60	OUT +3V3		

These pins can not be used as regular GPIOs.

These pins can not be used as regular GPIOs.

Legend:

- Power
- Ground
- IN Power Input
- OUT Power Output
- GPIO Digital External
- Analog External
- Main Part
- Secondary Part
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- I2C — D Default
- SPI — D Default
- UART/USART — D Default
- Other SERIAL
- Analog Audio — D Default
- PWM/Timer
- LED
- RGB LED

WARNING Be aware of the pins logic level.

Analog Audio functionality is provided by the PMIC

JMISC connector exposes all the connections from the Arduino UNO Q connected

JMEDIA connector does not exposes all the connections from the UNO Q JMEDIA to protect signal integrity

ARDUINO UNO MEDIA CARRIER

SKU code: ASX00083
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