

Legend:

- | | | | |
|---|--|--|---|
| <ul style="list-style-type: none"> Power Ground | <ul style="list-style-type: none"> IN Power Input OUT Power Output | <ul style="list-style-type: none"> GPIO Digital External Analog External Main Part Secondary Part Internal Component Other Pins (Reset, System Control, Debugging) | <ul style="list-style-type: none"> I2C SPI UART/USART Other SERIAL Analog PWM/Timer |
|---|--|--|---|

- LED
- RGB LED

WARNING MCU pins are 3.3V logic (5V tolerant except for PA3)

WARNING MPU pins are 1.8V logic only



SKU code: ASX00085
Full Pinout - Page 1 of 4
Last update: 3 Mar, 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

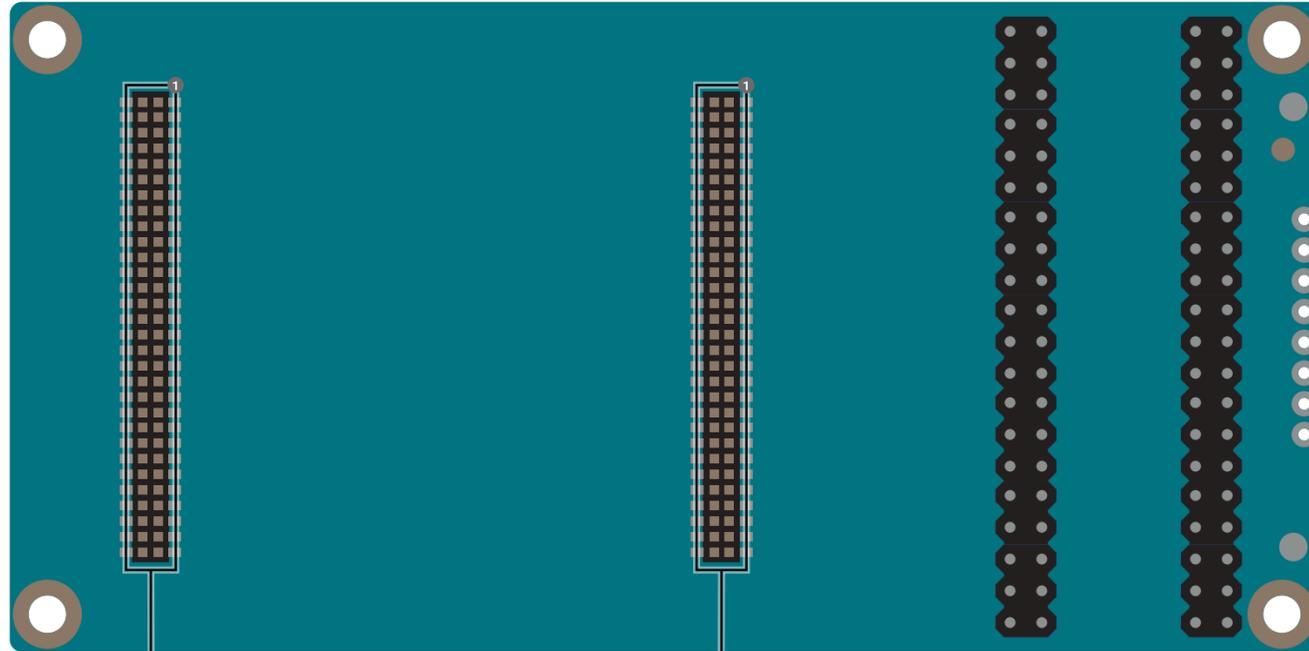


MCU Pins
3.3V Logic

MPU Pins
1.8V Logic

JMEDIA

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



JMISC

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

Legend:

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

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 Full Pinout - Page 3 of 3
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