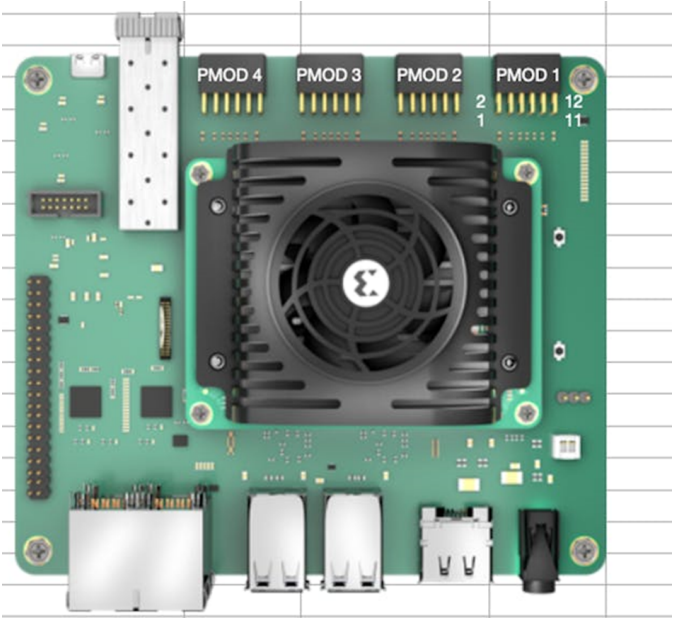
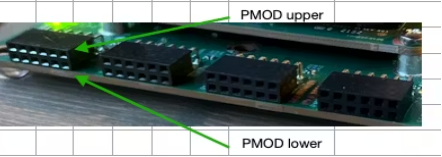


PMOD Pin	PMOD 1	FPGA Pkg Pin	PMOD 2	FPGA Pkg Pin2	PMOD 3	FPGA Pkg Pin3	PMOD 4	FPGA Pkg Pin4
1	PMOD1_IO1_HDA11	H12	PMOD2_IO1_HDA02	J11	PMOD3_IO1_HDB00_CC	AE12	PMOD4_IO1_HDB08_CC	AC12
2	PMOD1_IO5_HDA15	B10	PMOD2_IO5_HDA06	H11	PMOD3_IO5_HDB04	AF11	PMOD4_IO5_HDB12	AD11
3	PMOD1_IO2_HDA12	E10	PMOD2_IO2_HDA03	J10	PMOD3_IO2_HDB01	AF12	PMOD4_IO2_HDB09	AD12
4	PMOD1_IO6_HDA16_CC	E12	PMOD2_IO6_HDA07	G10	PMOD3_IO6_HDB05	AG11	PMOD4_IO6_HDB13	AD10
5	PMOD1_IO3_HDA13	D10	PMOD2_IO3_HDA04	K13	PMOD3_IO3_HDB02	AG10	PMOD4_IO3_HDB10	AE10
6	PMOD1_IO7_HDA17	D11	PMOD2_IO7_HDA08_CC	F12	PMOD3_IO7_HDB06	AH12	PMOD4_IO7_HDB14	AA11
7	PMOD1_IO4_HDA14	C11	PMOD2_IO4_HDA05	K12	PMOD3_IO4_HDB03	AH10	PMOD4_IO4_HDB11	AF10
8	PMOD1_IO8_HDA18	B11	PMOD2_IO8_HDA09	F11	PMOD3_IO8_HDB07	AH11	PMOD4_IO8_HDB15	AA10
9	gnd		gnd		gnd		gnd	
10	gnd		gnd		gnd		gnd	
11	3.3v		3.3v		3.3v		3.3v	
12	3.3v		3.3v		3.3v		3.3v	



PMOD2 - 318
 PMOD3 - 310
 PMOD4 - 302

3.3	GND	4	3	2	1	PMOD upper
3.3	GND	8	7	6	5	PMOD lower
Vcc	GND	I/O	I/O	I/O	I/O	



PMOD1:

3.3	GND	7	5	3	1	PMOD upper
3.3	GND	8	6	4	2	PMOD lower
Vcc	GND	I/O	I/O	I/O	I/O	
3.3	GND	SPI (Slave Select)	SPI (MOSI)	I2C (SDA)	UART	PMOD upper
3.3	GND	SPI (MISO)	SPI (Clock)	I2C (SCL)	UART	PMOD lower
Vcc	GND	I/O	I/O	I/O	I/O	

PMOD2-4:

3.3	GND	7	5	3	1	PMOD upper
3.3	GND	8	6	4	2	PMOD lower
Vcc	GND	I/O	I/O	I/O	I/O	
3.3	GND	GPIO	GPIO	GPIO	GPIO	PMOD upper
3.3	GND	GPIO	GPIO	GPIO	GPIO	PMOD lower
Vcc	GND	I/O	I/O	I/O	I/O	

gpiochip283	Pkg Pin	FPGA Signal Name	RPi Signal Name			RPi Signal Name	FPGA Signal Name	Pkg Pin	gpiochip440		GPIO	Assignment
RPI 3V3				1	2	RPI 5V0					GPIO0	gpiochip283 (General GPIO)
i2c-8	AE15	HDC02 (JA2 D54)	RPI_GPIO2_SDA	3	4	RPI 5V0					GPIO1	gpiochip284 (General GPIO)
i2c-8	AE14	HDC03 (JA2 D56)	RPI_GPIO3_SCL	5	6	gnd					GPIO2	I2C SDA (AE15)
gpio285	AG14	HDC04 (JA2 D57)	RPIGPIO4_GPCCLKD	7	8	RPI_GPIO14_TXD	HDC14 (JA2 B54)	W14	ttyUL1		GPIO3	I2C SCL (AE14)
gnd				9	10	RPI_GPIO15_RXD	HDC15 (JA2 B56)	W13	ttyUL1		GPIO4	gpiochip285 (General GPIO)
gpio291	AB14	HDC17 (JA2 B58)	RPI_GPIO17	11	12	RPI_GPIO18_PCM_CLK	HDC18 (JA2 A54)	Y14	gpio292		GPIO5	gpiochip286 (General GPIO)
gpio301	AB9	HDB23(JA2 A52)	RPI_GPIO27	13	14	gnd					GPIO6	gpiochip287 (General GPIO)
gpio296	Y12	HDC22 (JA2 A59)	RPI_GPIO22	15	16	RPI_GPIO23	HDC23 (JA2 A60)	AA12	gpio297		GPIO7	SPI SS1 (AH13)
RPI 3V3				17	18	RPI_GPIO24	HDB20 (JA2 A48)	Y9	gpio298		GPIO8	SPI SS0 (AC14)
	AE13	HDC10 (JA2 C59)	RPI_GPIO10_MOSI	19	20	gnd					GPIO9	SPI MISO (AC13)
	AC13	HDC09 (JA2 C58)	RPI_GPIO9_MISO	21	22	RPI_GPIO25	HDB21 (JA2 A50)	AA8	gpio299		GPIO10	SPI MOSI (AE13)
	AF13	HDC11 (JA2 C60)	RPI_GPIO11_SCLK	23	24	RPI_GPIO8_CE0	HDC08_CC (JA2 C56)	AC14			GPIO11	SPI SCK (AF13)
gnd				25	26	RPI_GPIO7_CE1	HDC07 (JA2 C55)	AH13			GPIO12	gpiochip288 (General GPIO)
gpio283	AD15	HDC00_CC (JA2 D52)	RPI_GPIO0_ID_SD	27	28	RPI_GPIO1_ID_SC	HDC01 (JA2 D53)	AD14	gpio284		GPIO13	gpiochip289 (General GPIO)
gpio286	AH14	HDC05 (JA2 D58)	RPI_GPIO5	29	30	gnd					GPIO14	UART TXD (W14)
gpio287	AG13	HDC06 (JA2 C54)	RPI_GPIO6	31	32	RPI_GPIO12_PWM0	HDC12 (JA2 852)	AA13	gpio288		GPIO15	UART RXD (W13)
gpio289	AB13	HDC13 (JA2 B53)	RPI_GPIO13_PWM1	33	34	gnd					GPIO16	gpiochip290 (General GPIO)
gpio293	Y13	HDC19 (JA2 A55)	RPI_GPIO19_PCM_FS	35	36	RPI_GPIO16	HDC16_CC (JA2 857)	AB15	gpio290		GPIO17	gpiochip291 (General GPIO)
gpio300	AB10	HDB22 (JA2 A51)	RPI_GPIO26	37	38	RPI_GPIO20_PCM_DIN	HDC20 (JA2 A56)	W12	gpio294		GPIO18	gpiochip292 (General GPIO)
gnd				39	40	RPI_GPIO21_PCM_DOUT	HDC21 (JA2 A58)	W11	gpio295		GPIO19	gpiochip293 (General GPIO)
											GPIO20	gpiochip294 (General GPIO)
											GPIO21	gpiochip295 (General GPIO)
											GPIO22	gpiochip296 (General GPIO)
											GPIO23	gpiochip297 (General GPIO)
											GPIO24	gpiochip298 (General GPIO)
											GPIO25	gpiochip299 (General GPIO)
											GPIO26	gpiochip300 (General GPIO)
											GPIO27	gpiochip301 (General GPIO)