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Type 1 GPIO			Type 1A Expanded GPIO			Type 2 SPI			Type 2A Expanded SPI			Type 3 UART			Type 4 UART			Type 4A Expanded UART			Type 5 H-Bridge			Type 6 Dual H-Bridge		
Pin	Signal	Direction	Pin	Signal	Direction	Pin	Signal	Direction	Pin	Signal	Direction	Pin	Signal	Direction	Pin	Signal	Direction	Pin	Signal	Direction	Pin	Signal	Direction	Pin	Signal	Direction
1	IO1	In/Out	1	IOA1	In/Out	1	SS	Out	1	SS	Out	1	CTS	Out	1	CTS	In	1	CTS	In	1	DIR	Out	1	DIR1	Out
2	IO2	In/Out	2	IOA2	In/Out	2	MOSI	Out	2	MOSI	Out	2	RTS	In	2	TXD	Out	2	TXD	Out	2	EN	Out	2	EN1	Out
3	IO3	In/Out	3	IOA3	In/Out	3	MISO	In	3	MISO	In	3	RXD	In	3	RXD	In	3	RXD	In	3	SA	In	3	DIR2	Out
4	IO4	In/Out	4	IOA4	In/Out	4	SCK	Out	4	SCK	Out	4	TXD	Out	4	RTS	Out	4	RTS	Out	4	SB	In	4	EN2	Out
5	GND		5	GND		5	GND		5	GND		5	GND		5	GND		5	GND		5	GND		5	GND	
6	VCC		6	VCC		6	VCC		6	VCC		6	VCC		6	VCC		6	VCC		6	VCC		6	VCC	
			7	IOB1	In/Out				7	INT	In							7	INT	In						
			8	IOB2	In/Out				8	RESET	Out							8	RESET	Out						
			9	IOB3	In/Out				9	N/S	N/S							9	N/S	N/S						
			10	IOB4	In/Out				10	N/S	N/S							10	N/S	N/S						
			11	GND					11	GND								11	GND							
			12	VCC					12	VCC								12	VCC							
								SS - Slave Select. Active low to enable slave device						CTS - Permission for peripheral to send data to host			CTS - Device will only transmit when this signal is asserted			CTS - Device will only transmit when this signal is asserted						DIR1 - Motor/Phase 1 direction, active high
								MOSI - Master Out Slave In. Data from master to slave						RTS - Request from peripheral to send data to host			RTS - Device is ready to receive data			RTS - Device is ready to receive data						EN1 - Motor/Phase 1 enable
								MISO - Master In Slave Out. Data from slave to master						RXD - Data from peripheral to host			RXD - Data from peripheral to host			RXD - Data from peripheral to host						DIR2 - Motor/Phase 2 direction, active high
								SCK - Serial clock. Data clock from master to slave									TXD - Data from host to peripheral			TXD - Data from host to peripheral						EN2 - Motor/Phase 2 enable
																				INT - Interrupt signal from peripheral to host						
																				RESET - Reset signal for host to reset peripheral						
																				N/S - Not-specified depending on the module these pins may be unconnected or additional module specific inputs or outputs.						

Pmod "High Speed"			XADC Pmod			Low Speed		
Pin	Signal	LVDS Pair	Pin	Signal	LVDS Pair	Pin	Signal	LVDS Pair
1	JA1_P	JA1	1	JA1_P	JA1	1	IO1	NA
2	JA1_N		2	JA2_P	JA2	2	IO2	
3	JA2_P	JA2	3	JA3_P	JA3	3	IO3	
4	JA2_N		4	JA4_P	JA4	4	IO4	
5	GND		5	GND		5	GND	
6	VCC		6	VCC		6	VCC	
7	JA3_P	JA3	7	JA1_N	JA1	7	IO1	NA
8	JA3_N		8	JA2_N	JA2	8	IO2	
9	JA4_P	JA4	9	JA3_N	JA3	9	IO3	
10	JA4_N		10	JA4_N	JA4	10	IO4	
11	GND		11	GND		11	GND	
12	VCC		12	VCC		12	VCC	
* 0 Ohm series resistor			* No series resistor			* ~200 Ohm series resistor		
* ESD protection			* ESD protection			* Sometimes ESD protection		
	TMDS_33 input + output		~XADC Pmod				LVDS_25 input/output	
	LVDS_25 input		Pin	Signal	LVDS Pair			
			1	JA1_N	JA1			
			2	JA2_N	JA2			
			3	JA3_N	JA3			
			4	JA4_N	JA4			
			5	GND				
			6	VCC				
			7	JA1_P	JA1			
			8	JA2_P	JA2			
			9	JA3_P	JA3			
			10	JA4_P	JA4			
			11	GND				
			12	VCC				

Digilent Arty	Artix 7	100E	
JA	Low Speed	Group 1	
JB	High Speed		No ESD?, JB1 - SRCC, JB2 - MRCC
JC	High Speed		No ESD?
JD	Low Speed		Uses mostly clock pins
Digilent Nexys Video	Artix 7	GigE, HDMI In, HDMI Out, DP Out -- FMC(2 x HDMI In)	
JA	Low Speed	Group 1	
JB	High Speed	Group 2	
JC	High Speed		
JXADC	XADC	Group 3	100 Ohm Resistor
Digilent Nexys 4 DDR	Artix 7		
JA	Low Speed		
JB	Low Speed		
JC	Low Speed		
JD	Low Speed		
JXADC	XADC		
Digilent Genesys 2	Kintex 7	GigE, HDMI In, HDMI Out, DP In, DP Out, VGA Out -- FMC(2 x HDMI In)	
JA	High Speed	Group 1	
JB	High Speed		
JC	Low Speed	Group 2	
JD	Low Speed		
JXADC	XADC	Group 3	
Digilent Zybo	Zynq	GigE, HDMI BiDir, VGA Out	
JA	XADC	Group 1	
JB	High Speed	Group 2	
JC	High Speed		
JD	High Speed		JD3 - SRCC
JE	Low Speed		
JF	Low Speed	Group 3	MIO PMOD?
ZedBoard	Zynq	GigE, HDMI Out, VGA Out	
JA1	Low Speed	Group 1	
JB1	Low Speed		

JC1	High Speed	Group 2	
JD1	High Speed		
JE1	Low Speed		MIO PMOD?
Digilent PYNQ	Zynq	GigE, HDMI In, HDMI Out	
PMODA	High Speed	Group 1	200 Ohm Resistor, JA3 - MRCC
PMODB	High Speed		200 Ohm Resistor
TOFE LowSpeedIO			Check Spacing
P2	XADC	Group 1	
P1	XADC		
P4	Low Speed		
P3	Low Speed	Group 2	
Numato Mimas V2	Spartan 6		Check Spacing
P6	~XADC		
P7	~XADC		
P8	~XADC		
P9	~XADC		
Numato Waxwing	Spartan 6		Check Spacing
P3	XADC		
P5	XADC		
P4	XADC		
MicroZed	Zynq		
J5			MIO PMOD???
MyIRTech Z-turn with IO CapeZynq			
XADC?			
PMOD1?			
PMOD2?			
PMOD3?			
Pipistrello	Spartan 6		
PMOD	Low Speed		No resistors or ESD
icoBoard	Lattice??		
P1	Low Speed		Check
P3	Low Speed		Check

P2	Low Speed		Check
P4	Low Speed		Check

