Connector JP3 - 1	Photon 1 Pin	Annunciator	Animatronic Mouth	Photon - GEN 3			Argon/Boron)		
IP3 - 1		Conection	connection	mapping	Connector	·	Pin	Photon 2 Pin	NOTES
	VIN	Vcc	Vcc	VUSB	JP2 - 1	!RESET		!RESET	OK
JP3 - 2	GND	GND	GND	GND	JP2 - 2	3V3		3V3	OK
JP3 - 3	TX	TX - MP3 RX	TX - MP3 RX	TX	JP2 - 3	N/C		MODE	OK
JP3 - 4	RX	RX - MP3 TX	RX - MP3 TX	RX	JP2 - 4	GND		GND	OK
JP3 - 5	WKP	N/C	N/C		JP2 - 5	Α0		Α0	N/C (OK for Mouth Board)
JP3 - 6	DAC	N/C	N/C		JP2 - 6	A1		A1	N/C (OK for Mouth Board)
JP3 - 7	A5	N/C	SEN_A5	A5	JP2 - 7	A2		A2	N/C (OK for Mouth Board)
JP3 - 8	A4	N/C	SEN_A4	A4	JP2 - 8	A3		A5	Photon A3 will connect to Photon 2 A5
JP3 - 9	A3 (SCK)	PB INPUT (DIO)	SEN_A3	A3	JP2 - 9	A4		\$4	N/C (SEN A4 maps to Photon 2 S4 )
JP3 - 10	A2	N/C	ANALOG - REF	A2	JP2 - 10	A5		S3	N/C (SEN A5 maps to Photon 2 S3 )
JP3 - 11	A1	N/C	ANALOG - PREAMP	A1	JP2 - 11	SCK		SCLK	N/C
JP3 - 12	A0	N/C	ANALOG - ENVLOPE	A0	JP2 - 12	MOSI		MODE	N/C
<i>y</i> . 0 12	B5 (ELECTRON	0	7.1.0.12.0.0	7.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
JP3 - 13	ONLY)	N/C	N/C		JP2 - 13	MISO		M1	N/C
<i>y</i> . 0 20	B4 (ELECTRON	0	5		,, 2 10				
JP3 - 14	ONLY)	N/C	N/C		JP2 - 14	RX		RX	N/C
0 17	B3 (ELECTRON	0			7,2 14	100			
JP3 - 15	ONLY)	N/C	N/C		JP2 - 15	TX		TX	N/C
710 10	B2 (ELECTRON	1470	1470		JI 2 15	17		TA .	WO
JP3 - 16	ONLY)	N/C	N/C		JP2 - 16	N/C		N/C	N/C
JI 3 - 10	B1 (ELECTRON	N/C	N/C		JI Z - 10	N/C		N/C	N/C
JP3 - 17	ONLY)	N/C	N/C		Х				N/C
JF3 - 17	B0 (ELECTRON	N/C	N/C		^				N/C
JP3 - 18	ONLY)	N/C	N/C		Х				N/C
JP3 - 18	ONLY)	N/C	N/C		Χ				N/C
JP4 - 1	3V3	3V3 OUT	3V3 OUT	3V3 OUT	JP1 - 1	LI+		LI+	N/C
JP4 - 2	!RESET	N/C	N/C	!RESET	JP1 - 2	EN		EN	N/C
JP4 - 3	VBAT	N/C	N/C	INLOCI	JP1 - 3	VUSB		VUSB	OK
JP4 - 4	GND	GND	GND		JP1 - 4	D10		D10	N/C
JP4 - 5	D7	N/C	N/C	D7	JP1 - 5	D10 D7		D7	N/C
JP4 - 6	D6	LED (GREEN)	LED (GREEN)	D6	JP1 - 6	D6		D6	OK
JP4 - 7	D5	LED (GREEN)	, ,	D5	JP1 - 7	D5		D5	OK OK
JP4 - 7 JP4 - 8	D4	N/C	LED (RED) SERVO - N/C	D4	JP1 - 7 JP1 - 8	D3 D4		D4	OK OK
JP4 - 8 JP4- 9	D4 D3	N/C N/C	SERVO - N/C SERVO - MOUTH	D3	JP1 - 8 JP1 - 9	D4 D3		D3	OK OK
			MP3 - BUSY	D3 D2	JP1 - 9 JP1 - 10			D3 D2	
JP4 - 10	D2	N/C				D2			OK OK
JP4 - 11	D1	N/C	SCL	D1	JP1 - 11	D1		SCL	OK OK
JP4 - 12	D0	N/C	SDA	D0	JP1 - 12	D0		SDA	OK
ID4 40	C5 (ELECTRON	NIO	N/O		V				N/O
JP4 - 13	ONLY)	N/C	N/C		Х				N/C
104 44	C4 (ELECTRON								N/O
JP4 - 14	ONLY)	N/C	N/C		Χ				N/C
154 45	C3 (ELECTRON								N/O
JP4- 15	ONLY)	N/C	N/C		Х				N/C
	C2 (ELECTRON								
JP4- 16	ONLY)	N/C	N/C		Χ				N/C
	C1 (ELECTRON								
JP4 - 17	ONLY)	N/C	N/C		X				N/C
	CO /FLECTRON								
JP4 - 18	C0 (ELECTRON ONLY)	N/C	N/C		Х				N/C