

# SEACOMP

## SEA0009 & SEA0010 Connections to Raspberry Pi

Description	Revision	Date
CRJ: First version	1	6/1/2020



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## 1 Scope

The document illustrates the connections between a Raspberry Pi (version 3B) and the SEA0009 / SEA0010.

## 2 Connections

See the following table and illustrations to connect the Raspberry Pi to the SEA0009 (5"), but is also applicable for the SEA0010 (7"). Since Raspberry PI makes a standard interface, this will also work for other versions of the Raspberry Pi, besides version 3B.

Connect the cable from CN3 on the SEA0009 to the Raspberry Pi I/O connector J8.

Interconnection, SEA0009 to Raspberry Pi			
R.Pi J8	Signal Name	SEA0009 CN3	Description
12	PWM	7	3.3V PWM logic signal
2	Power	1	5.0V Power to SEA0009
3	SDA	4	I2C1_SDA, touchscreen I2C data (GPIO2)
4	n.c.	--	
5	SCL	3	I2C clock
6	GND	9	Common
7-12	n.c.	--	
13	INT	5	Touchscreen interrupt (GPIO27)



