

Sega joystick connected to GPIO-HSTC Card J2 CONNECTOR

J2 PIN	HSTC NAME	HSMC_NAME	GPIO	SOCKET PIN	SIGNAL	JOYSTICK PIN	JOY SIGNAL
1	HSTC_CLKIN_n0	HSMC_CLKIN_n2	GPIO0	PIN_G15	JOY_U,	1	UP/Z
2	HSTC_RX_n0	HSMC_RX_n16	GPIO1	PIN_F14	JOY_D,	2	DOWN/Y
3	HSTC_CLKIN_p0	HSMC_CLKIN_p2	GPIO2	PIN_H15	JOY_L,	3	LEFT/X
4	HSTC_RX_p0	HSMC_RX_p16	GPIO3	PIN_F15	JOY_R,	4	RIGHT/MODE
5	HSTC_TX_n0	HSMC_TX_n16	GPIO4	PIN_A13	--		
6	HSTC_RX_n1	HSMC_RX_n15	GPIO5	PIN_G13	JOY_BA,	6	B/A
7	HSTC_TX_p0	HSMC_TX_p16	GPIO6	PIN_B13	JOY_SEL	7	SELECT
8	HSTC_RX_p1	HSMC_RX_p15	GPIO7	PIN_H14	--		
9	HSTC_TX_n1	HSMC_TX_n15	GPIO8	PIN_B11	JOY_CS,	9	C/Start
29	' +3.3 V					5	+5V
12	GND					8	GND

J2			
HSMC_CLKINn2	1	2	HSMC_RX_n16
HSMC_CLKINp2	3	4	HSMC_RX_p16
HSMC_TX_n16	5	6	HSMC_RX_n15
HSMC_TX_p16	7	8	HSMC_RX_p15
HSMC_TX_n15	9	10	HSMC_RX_n14
5V	11	12	GND
HSMC_TX_p15	13	14	HSMC_RX_p14
HSMC_TX_n14	15	16	HSMC_RX_n13
HSMC_TX_p14	17	18	HSMC_RX_p13
HSMC_CLKOUTn2	19	20	HSMC_RX_n12
HSMC_CLKOUTp2	21	22	HSMC_RX_p12
HSMC_TX_n13	23	24	HSMC_RX_n11
HSMC_TX_p13	25	26	HSMC_RX_p11
HSMC_TX_n12	27	28	HSMC_RX_n10
3.3V	29	30	GND
HSMC_TX_p12	31	32	HSMC_RX_p10
HSMC_TX_n11	33	34	HSMC_RX_n9
HSMC_TX_p11	35	36	HSMC_RX_p9
HSMC_TX_n10	37	38	HSMC_TX_n9
HSMC_TX_p10	39	40	HSMC_TX_p9

**Sega 3 & 6 button controllers**

- 1 - Up / Z
- 2 - Down / Y
- 3 - Left / X
- 4 - Right / Mode
- 5 - +5v
- 6 - B / A
- 7 - Select
- 8 - Gnd
- 9 - C / Start