

NCD212

Who's Controlling Your World?

JOYSCAM: DEDICATED SCAM CONTROLLER

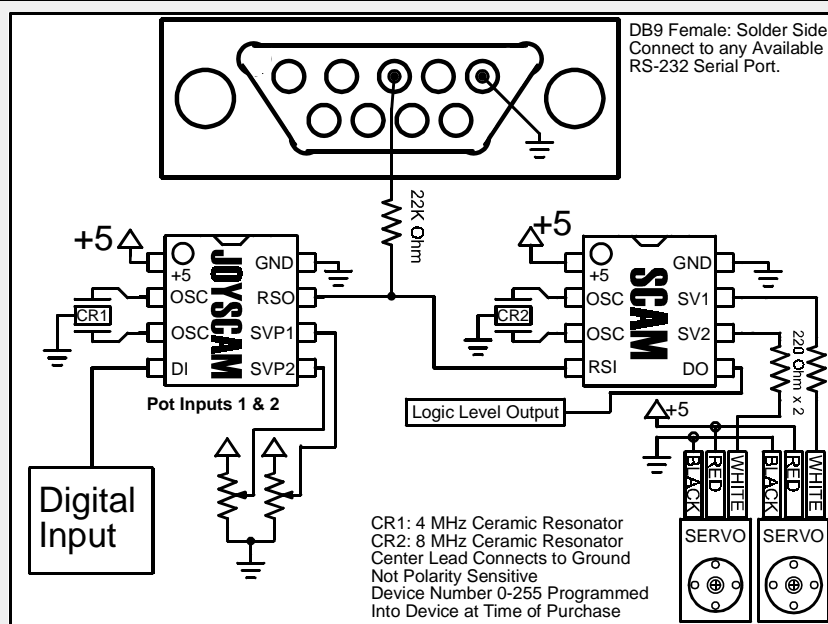
Device Description: NCD212

NCD212 (JOYSCAM) is a 18-pin preprogrammed microcontroller based on the PIC12C672 core, and is available in DIP and SOIC packages. The JSCAM chip encodes position information from an analog joystick and outputs data packets that are readable by the SCAM chip (ND209), effectively providing a joystick interface for the SCAM chip. Optionally, a computer or Basic Stamp can be used to select which SCAM chip is receiving joystick data packets, as shown in the diagram below.

Current Pricing in US Dollars: NCD212

Package Type	Qty 1-9	Qty 10-25	Qty 26-100	Qty 101+
DIP	\$10	\$5.90	\$5.10	MARKET PRICE
SOIC	\$11	\$6.90	\$6.10	MARKET PRICE

Example Device Wiring: NCD212



The JOYSCAM chip is used to send joystick-generated data packets to the SCAM chip as shown in the diagram. Optionally, a computer can be connected for selecting which SCAM chip will be controlled by the JOYSCAM chip.

Pin	Label	Function
1	+5	+5 Volt Regulated Power Supply
2, 3	OSC	4 MHz Ceramic Resonator
4	DI	Digital Input
5	SVP2	Potentiometer Input for Controlling Servo Motor 2
6	SVP1	Potentiometer Input for Controlling Servo Motor 1
7	RSO	RS-232 Data Packet Output for SCAM Chip
8	GND	Power Supply Ground