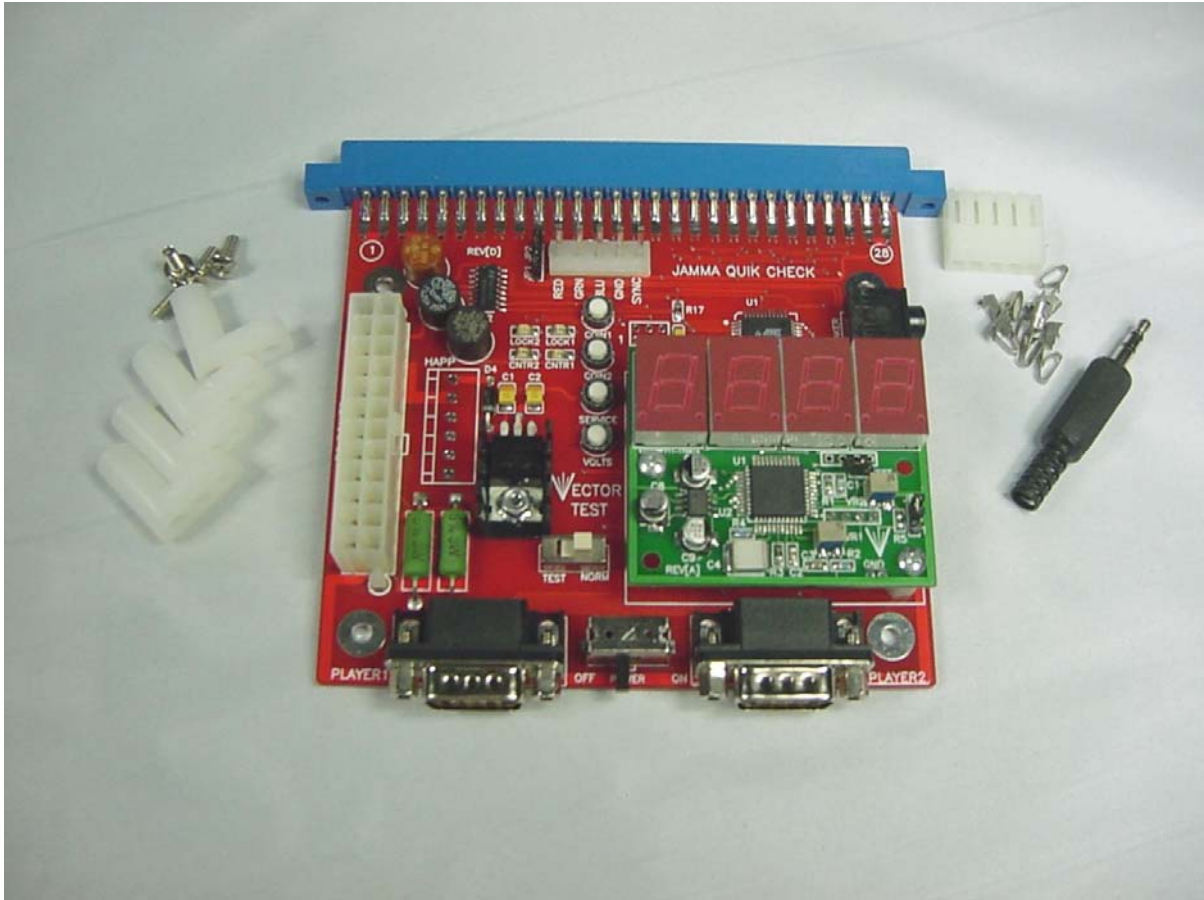


# JAMMA QUIK-TEST OPERATIONS MANUAL



The Vector Labs JAMMA QUIK-TEST has the following features:

- 1) Uses standard PC ATX switching power supply.
- 2) Coin1, Coin2 & Service push buttons.
- 3) Test slide switch.
- 4) Coin counter & Coin lockout status led's.
- 5) 3.5mm speaker output jack.
- 6) Socketed fuses for +5v, +12v & -5v power rails.
- 7) On board 3 ½ digit voltmeter.
- 8) Player1 & Player2 controls via dual DB9 connectors.
- 9) Includes two Sega Genesis compatible 6 button game pads.

## LIST OF INCLUDED ITEMS

- 2ea. Sega Genesis compatible 6 button game pads.
- 4ea. mounting standoff's & screws.
- 1ea. 3.5mm plug for speaker.
- 1ea. 5pin Molex connector.
- 5ea. pins for Molex connector.



## ASSEMBLY

It is best to attach the four mounting standoff's to raise the QUIK-TEST off of your bench or table to ensure that nothing shorts during testing.

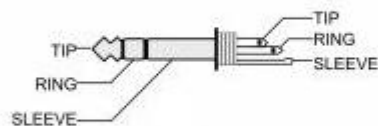
## ATX POWER SUPPLY

It is recommended to use a 20/24Pin ATX power supply that has -12V @800ma or better. The picture below is a typical 250watt ATX supply and has more than enough to power for any JAMMA PCB. Higher wattage supply's are not necessary and are more expensive.



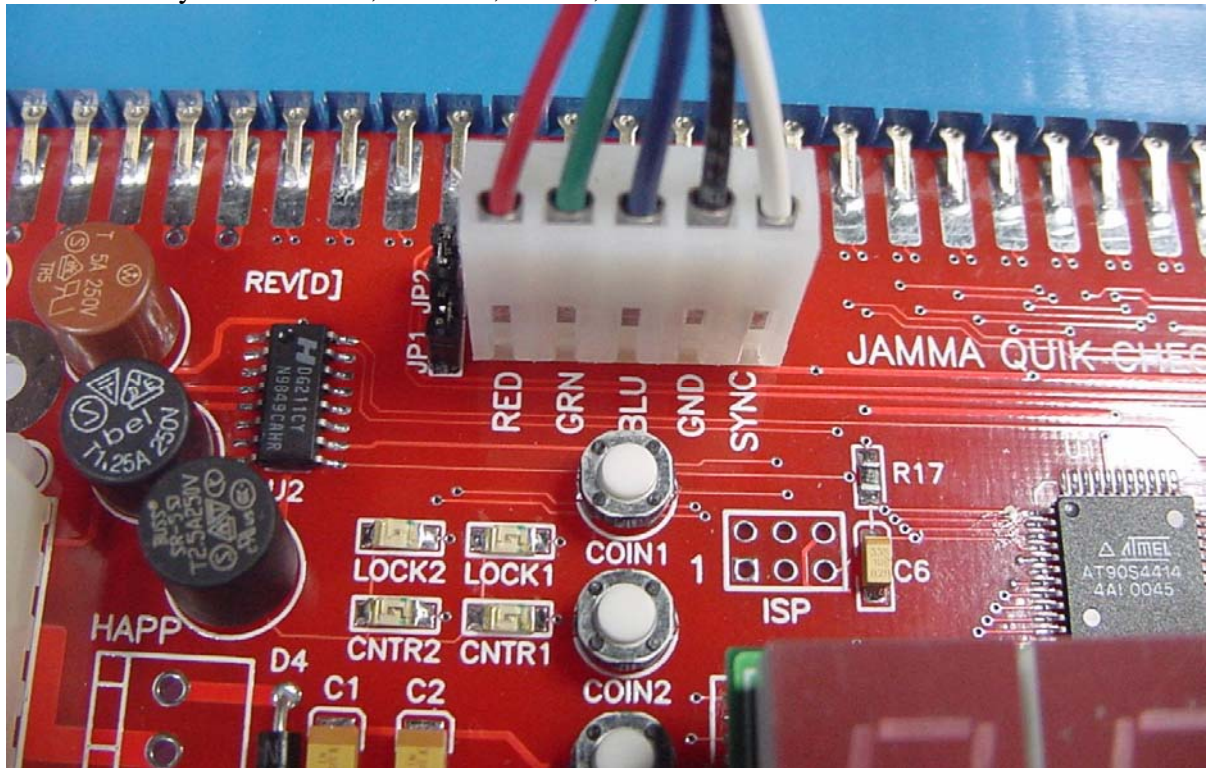
## SPEAKER CONNECTION

The included 3.5mm mini plug is used to connect to a 8-16ohm speaker. You will need to provide the appropriate length of wire to and solder to the tabs on the connector as shown below. Tip=Speaker+ Sleeve=Speaker-



## CGA MONITOR CONNECTION

The 5pin Molex connector & pins are used to connect to a CGA arcade monitor and are clearly marked RED, GREEN, BLUE, SYNC & GND as shown below.



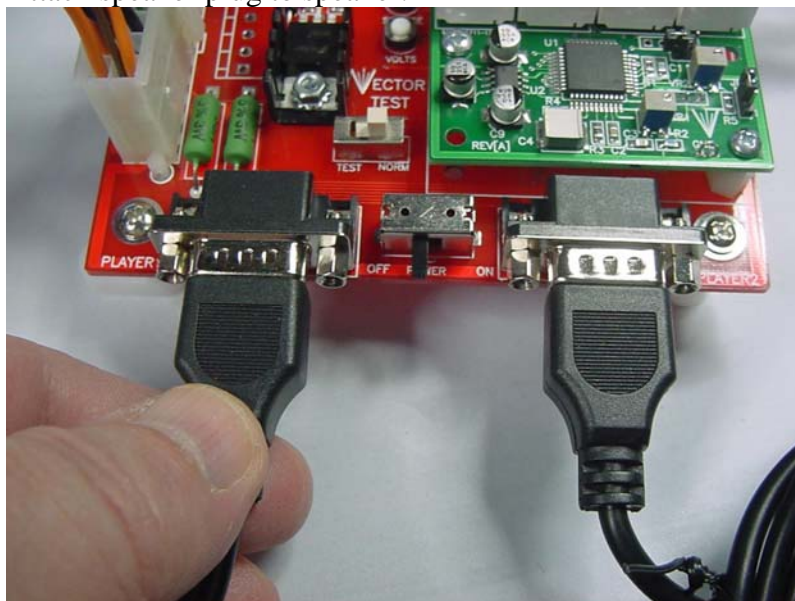
## FINAL CONNECTIONS

Attach 20/24 pin connector from power supply into QUIK-TEST board.

Attach CGA monitor cable to QUIK-TEST and monitor..

Attach both Player1 & Player2 Gamepad's

Attach speaker plug to speaker.



## OPERATION

Make sure if your ATX power supply has a power switch on the back that is ON.

Plug a working JAMMA PCB into the card edge connector on the QUIK-TEST.

Make sure that the TEST/NORM slide switch on the QUIK-TEST is in the NORM position.

Flip power switch on the front of the QUIK-TEST to ON.

The on board digital voltmeter should immediately display the voltage on the +5v power rail.

After 3-4 seconds it will automatically display the +12v power rail. Then the -5v power rail.

It will continuously cycle through these voltages until the VOLTS button is pressed. Then you

are in the manual mode. In manual mode the voltmeter will measure the voltage rail

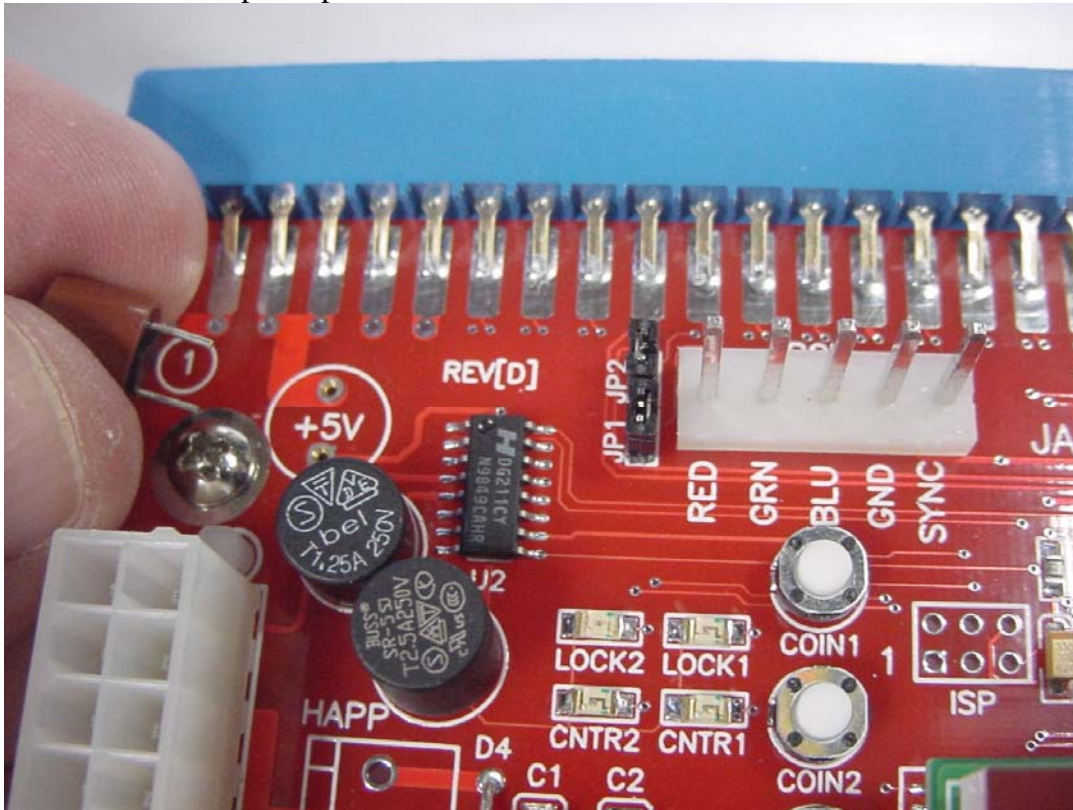
until the button is pressed again to advance to the next voltage rail. The only way to exit

the manual mode is to power the QUIK-TEST off, then back on.

## FUSE REPLACEMENT

There are three socketable fuses on the QUIK-TEST +5v @ 5amps, +12v @ 2.5amps

and -5v @ 1.25amps. Replacements can be found from distributors like Mouser Electronics.



## JAMMA STANDARD & DEVIATION

	Solder side	Component side	
A	Ground	Ground	1
B	Ground	Ground	2
C	+5V	+5V	3
D	+5V	+5V	4
E	-5V	-5V	5
F	+12V	+12V	6
H	KEY	KEY	7
J	Counter 2	Counter 1	8
K	Lockout 2	Lockout 1	9
L	Speaker -	Speaker +	10
M	n/c	n/c	11
N	Video Green	Video Red	12
P	Video Sync	Video Blue	13
R	Service	Video Ground	14
S	Tilt	Test	15
T	Coin 2	Coin 1	16
U	P2 Start	P1 Start	17
V	P2 Up	P1 Up	18
W	P2 Down	P1 Down	19
X	P2 Left	P1 Left	20
Y	P2 Right	P1 Right	21
Z	P2 Button 1	P1 Button 1	22
AA	P2 Button 2	P1 Button 2	23
AB	P2 Button 3	P1 Button 3	24
AC	P2 Button 4	P1 Button 4	25
AD	P2 Button 5	P1 Button 5	26
AE	Ground	Ground	27
AF	Ground	Ground	28

The Gamepad buttons are mapped per the following:

- Gamepad button A = button 1
- Gamepad button B = button 2
- Gamepad button C = button 3
- Gamepad button X = button 4
- Gamepad button Y = button 5

Gamepad button Z = JAMMA connection 11 via jumper JP1  
or JAMMA connection M via jumper JP2

The Gamepad START is mapped to the P1 start or P2 start connections.

Replacement fuses can also be provided by contacting **support@vector-labs.com**

IF YOU HAVE ANY PROBLEMS OR SUGGESTIONS ON HOW TO IMPROVE THIS  
MANUAL PLEASE CONTACT [VECTOR-LABS@TX.RR.COM](mailto:VECTOR-LABS@TX.RR.COM)

THANK YOU FOR YOUR PURCHASE