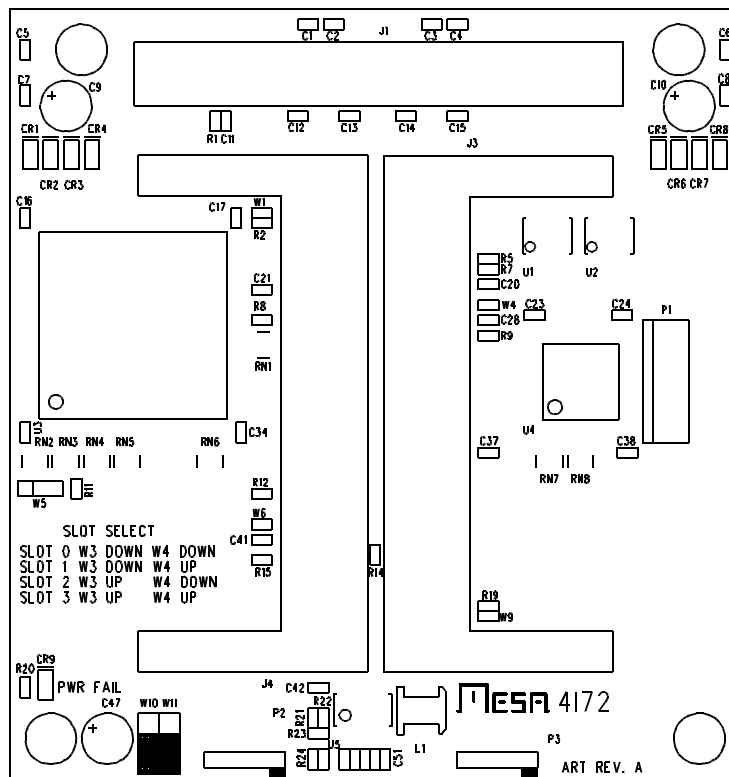


# MESA 4I72 INFO SHEET



The 4I72 is a PC/104-PCI to Quad Mini-PCI III adapter. The 4I72 allows four Mini PCI type III cards to be connected to a PC/104-PCI system. Since the 4I72 uses a PCI-PCI bridge, it only uses one PC/104-PCI slot.

## **SETUP:**

There are only 2 option jumpers on the 4I72, W10 and W11. These select the PC/104-PLUS "SLOT" number that the 4I72 occupies. Note that the slot select chart on 4I72 cards earlier than revision B has these jumpers erroneously listed as W3 and W4.

W10	W11	PC/104-PLUS SLOT
DOWN	DOWN	0
DOWN	UP	1
UP	DOWN	2
UP	UP	3 (Only newer CPUs support slot 3)

## **STATUS LEDES:**

The 4I72 has 9 status LEDES. Eight of these status LEDES connect to the MiniPCI cards and one is a 3.3V power fail indicator. On card LED functions are as follows:

CR1	GREEN 0
CR2	YELLOW 0
CR3	GREEN 2
CR4	YELLOW 2
CR5	GREEN 1
CR6	YELLOW 1
CR7	GREEN 3
CR8	YELLOW 3
CR9	3.3V POWER FAIL (RED)

## **STATUS LEDS:**

Two connectors, (P1 and P2) allow remote LEDS to be connected. P1 and P2 are 10 pin 2 mm connectors. P1 and P2 pin-out is as follows:

<b>PIN</b>	<b>P1</b>	<b>P2</b>
1	Green0+	Green2+
2	Green0-	Green2-
3	Yellow0+	Yellow2+
4	Yellow0-	Yellow2-
5	Green1+	Green3+
6	Green1-	Green3-
7	Yellow1+	Yellow3+
8	Yellow1-	Yellow3-
9	GND	GND
10	3.3V	3.3V

External LEDS connected to P1,P2 must have series current limiting resistors.

## **INTERRUPT ROUTING:**

The 4172 follows the PCI standard for routing of interrupts across PCI bridges:

Mini-PCI slot 0 (top left) interrupt routing:

PC/104-PLUS SLOT#	PRIMARY	SECONDARY
0	INTA	INTB
1	INTB	INTC
2	INTC	INTD
3	INTD	INTA

Mini-PCI slot 1 (top right) interrupt routing:

PC/104-PLUS SLOT#	PRIMARY	SECONDARY
0	INTB	INTC
1	INTC	INTD
2	INTD	INTA
3	INTA	INTB

Mini-PCI slot 2 (bottom left) interrupt routing

PC/104-PLUS SLOT#	PRIMARY	SECONDARY
0	INTC	INTD
1	INTD	INTA
2	INTA	INTB
3	INTB	INTC

Mini-PCI slot 3 (bottom right) interrupt routing:

PC/104-PLUS SLOT#	PRIMARY	SECONDARY
0	INTD	INTA
1	INTA	INTB
2	INTB	INTC
3	INTC	INTD

Note that the secondary interrupt is only used on MiniPCI cards with multiple PCI functions per card.

**LOCAL 3.3V POWER:**

The 4172 has an on card 3.3V regulator to supply power to the four MiniPCI cards. This allow operation in single 5V powered systems. Maximum current supplied by the regulator is 3A total. The 4172 can be supplied in a version that gets its 3.3V power form the PC/104-PLUS bus if desired.