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B.3 AD VP2/020-10

The AD VP2/020-10 is a 160-way P2 backplane RTM for the VP E2x/msd. It provides one 68-way SCSI-3 style socket for PMC1 I/O, a PS/2 keyboard and mouse connector, Push Button, DVI-D connector, two USB and two SATA connectors with additional headers for other miscellaneous I/O functions.

This RTM requires one slot width and a minimum of 115 mm behind the backplane.

B.3.1 Layout

The Figure B-1 shows the locations of the connectors, jumpers and switches. The following sections describe the switch and jumper options.

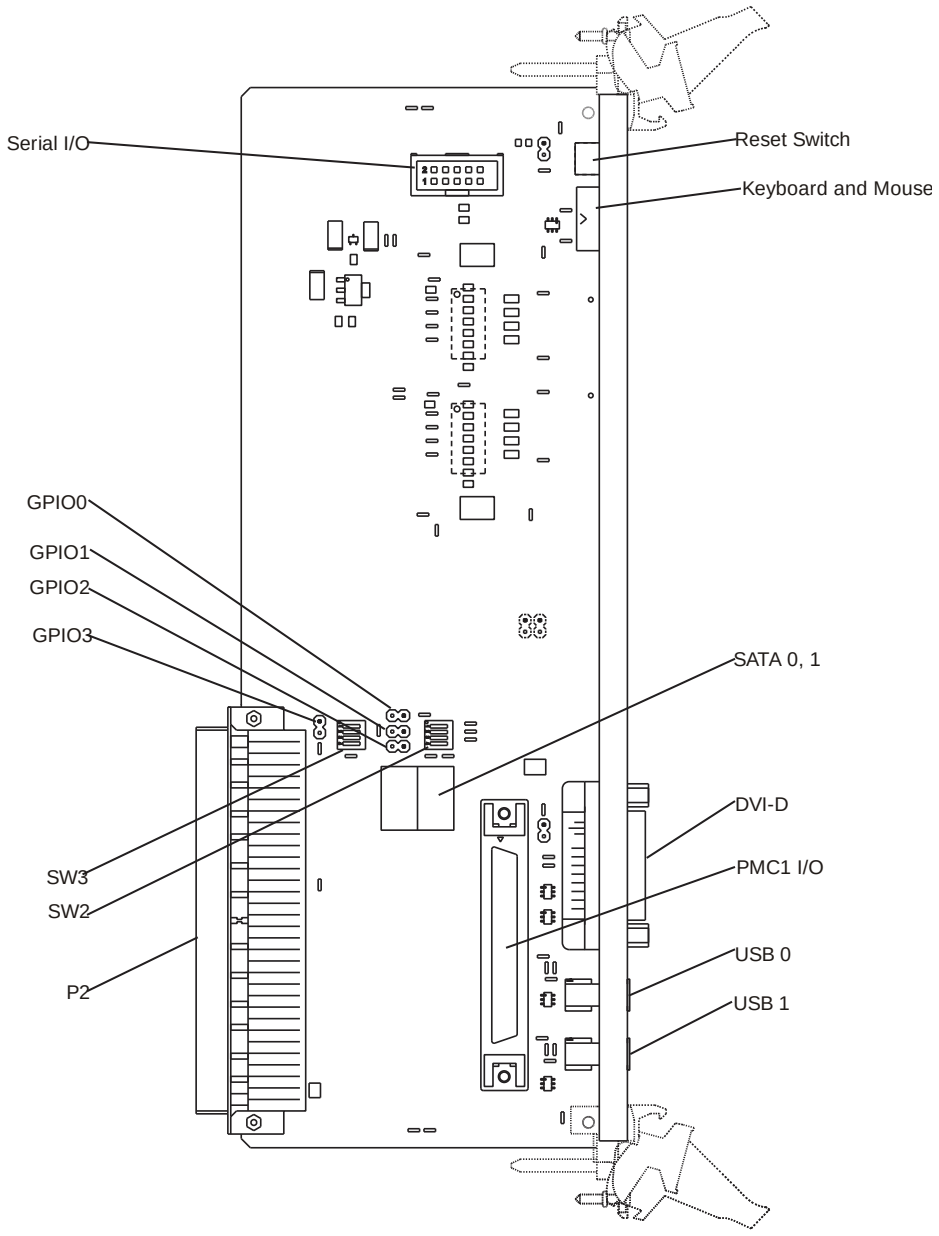


Figure B-1 AD VP2/020-10 RTM Connectors and Switches

B.3.2 Pin-out Tables

Signal Name	Details
USB0 and USB1	Table B-6
Keyboard and Mouse	Table B-7
Serial I/O	Table B-9
PMC1 I/O	Table B-11
DVI-D	Table B-14
SATA 0 and 1	Table B-13
GPIO0-2	Figure B-2
GPIO3	Figure B-2

Table B-2 AD VP2/020-10 Connector List

B.3.3 GPIO Interface

The GPIO connections on this RTM provide a few different options for the I/O interface.

Figure B-2 shows a simplified schematic diagram of the functions provided.

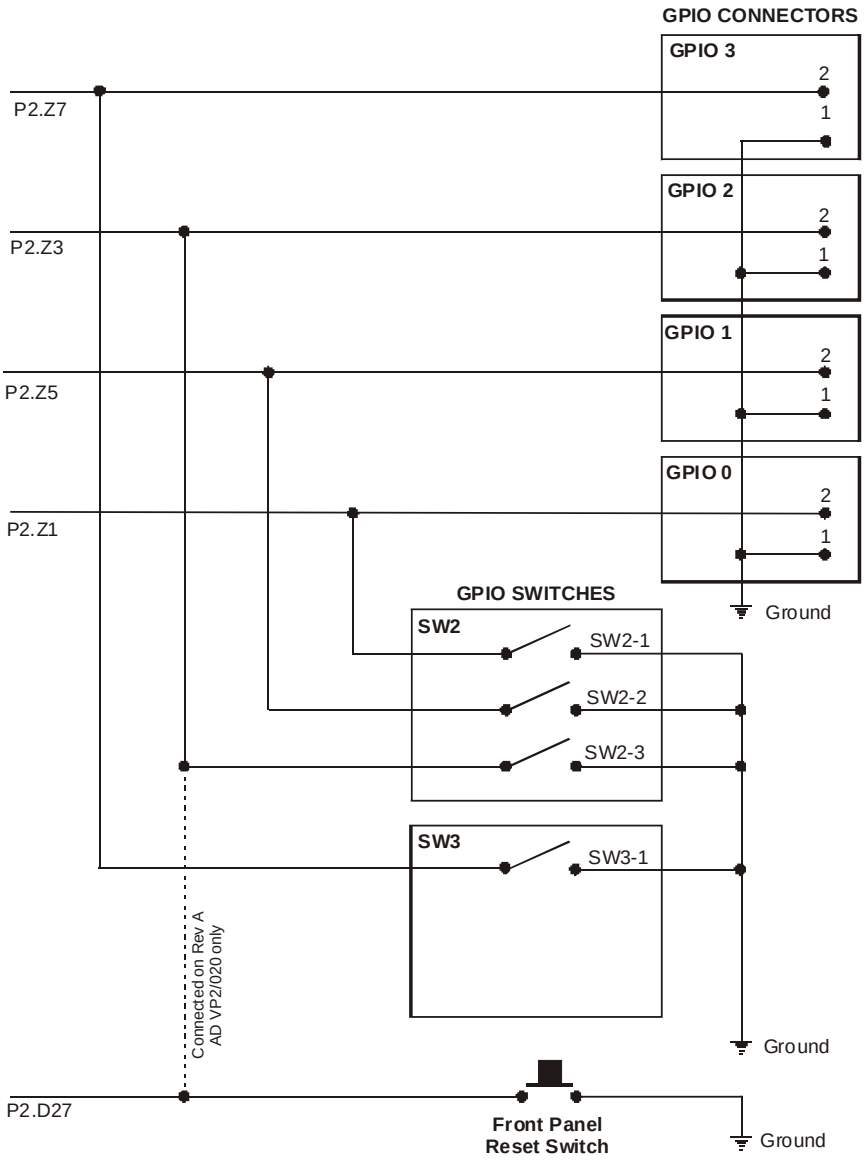


Figure B-2 AD VP2/020 GPIO Interface

The location and settings of the GPIO switches are outlined in Figure B-2. The switch settings allow each GPIO signal to be driven to a logic 0 state when the corresponding switch is set to ON, or to be controlled by an external device when the switch is set to OFF. When the switch is in the OFF position, the corresponding input pin will read as logic 1 and the signal is pulled up by a 10kΩ resistor. When the GPIO signal is set as an output, the corresponding switch must be set to OFF.

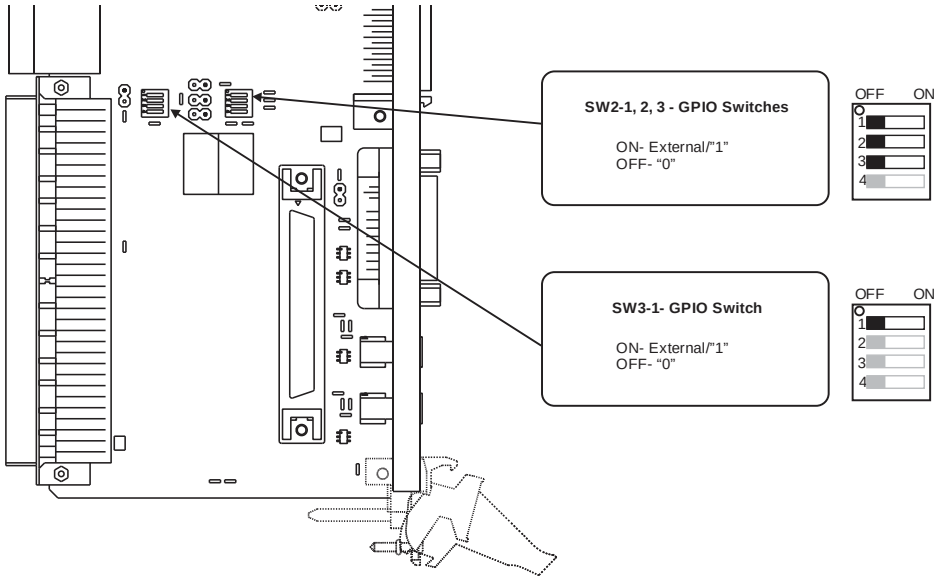


Figure B-3 AD VP2/020 GPIO Switch Settings

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