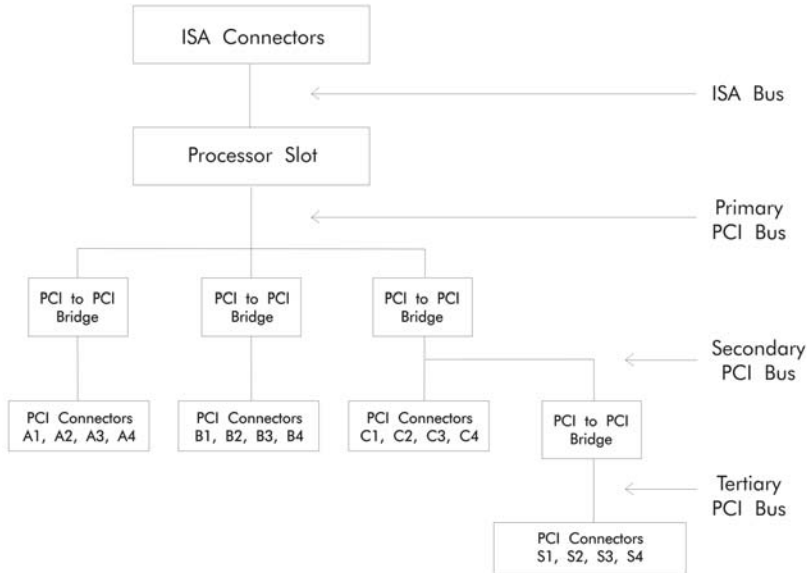




Technical Information – Jumpers and Connectors BP3/16-64 (5696) 64-BIT PCI/ISA Backplane

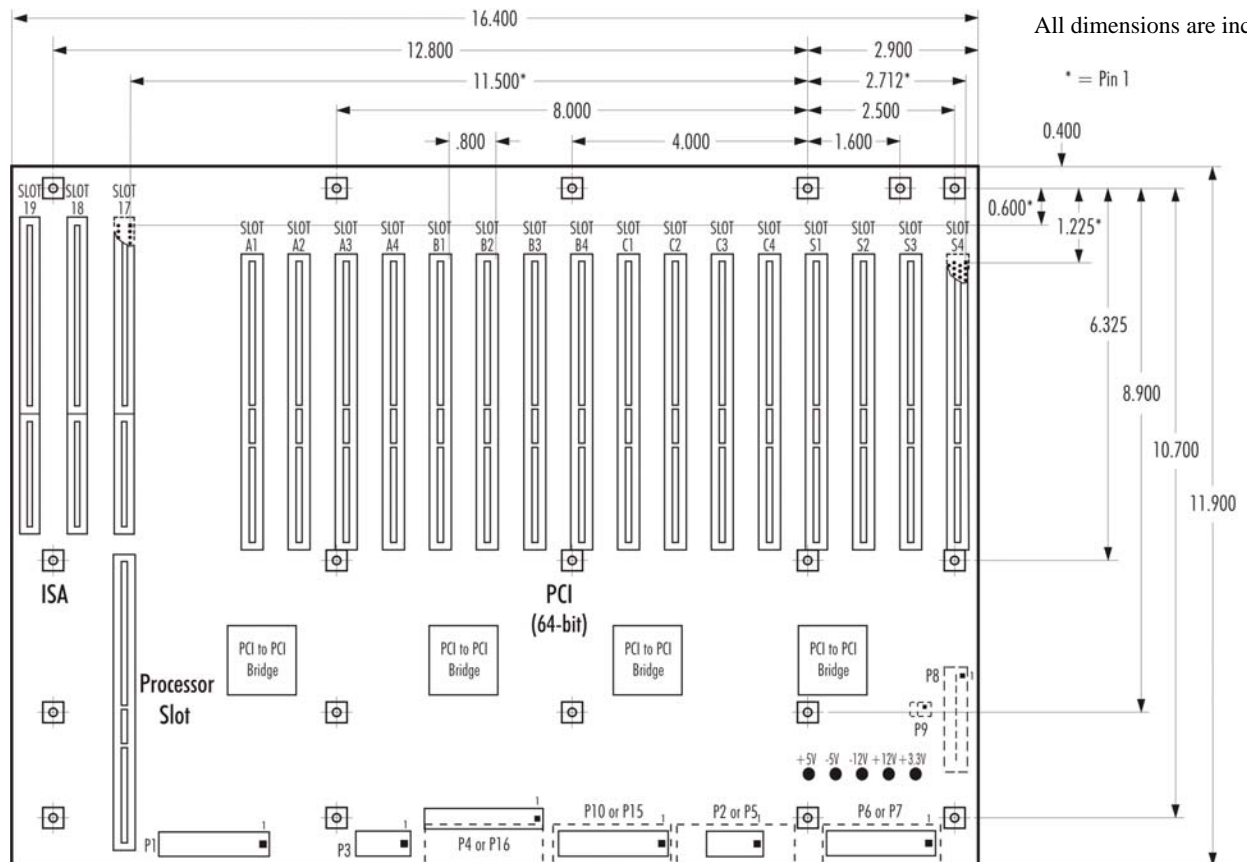
Block Diagram



Notes:

- Connector spacing: 0.800"
- Nominal PCB thickness: .062"
- Mounting holes: .156" diameter
- Connectors are populated based on model.

Layout Diagram – 5696





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BP3/16-64 (5696-000) Connectors

NOTE: Pin 1 on the connectors is indicated by the square pad on the PCB.

P1 - Power Supply Connector

12 pin single row header, Molex #26-60-5120

<u>Pin</u>	<u>Signal</u>
1	NC
2	+5V
3	+12V
4	-12V
5	Gnd
6	Gnd
7	Gnd
8	Gnd
9	-5V
10	+5V
11	+5V
12	+5V

P2 - Extended-Current Connector (optional)

5 pin right angle, Amp #193839-4

31 Amps per circuit

<u>Pin</u>	<u>Signal</u>
1	+5V
2	+5V
3	+5V
4	+5V
5	+5V

P3 - Auxiliary Power Supply Connector

6 pin right angle, Molex #26-60-5060

<u>Pin</u>	<u>Signal</u>
1	+5V
2	+5V
3	+5V
4	Gnd
5	Gnd
6	Gnd



BP3/16-64 (5696-000) Connectors (continued)

P4 - Alternate Power Supply Connector

10 position terminal block, Augat #2MV-10
20 Amps per circuit

<u>Pin</u>	<u>Signal</u>
1	+5V
2	+5V
3	+5V
4	Gnd
5	Gnd
6	Gnd
7	Gnd
8	-5V
9	-12V
10	+12V

P5 - Auxiliary Power Supply Connector

6 pin right angle, Molex #26-60-5060

<u>Pin</u>	<u>Signal</u>
1	+5V
2	+5V
3	+5V
4	Gnd
5	Gnd
6	Gnd

P6 - Power Supply Connector

12 pin single row header, Molex #26-60-5120

<u>Pin</u>	<u>Signal</u>
1	NC
2	+5V
3	+12V
4	-12V
5	Gnd
6	Gnd
7	Gnd
8	Gnd
9	-5V
10	+5V
11	+5V
12	+5V

P7 - +5V Return Extended-Current Connector (optional)

5 pin right angle, Amp #193839-4
31 Amps per circuit

<u>Pin</u>	<u>Signal</u>
1	Gnd
2	Gnd
3	Gnd
4	Gnd
5	Gnd



BP3/16-64 (5696-000) Connectors (continued)

P8 - ATX Power Connector (optional)

20 pin dual row header, Molex #39-39-9202

<u>Pin</u>	<u>Signal</u>	<u>Pin</u>	<u>Signal</u>
1	+3.3V	11	+3.3V
2	+3.3V	12	-12V
3	Gnd	13	Gnd
4	+5V	14	PSON#
5	Gnd	15	Gnd
6	+5V	16	Gnd
7	Gnd	17	Gnd
8	PW-OK (PWRGD)	18	-5V
9	+5VSB	19	+5V
10	+12V	20	+5V

P9 - ATX Power-On Connector (optional)

2 pin single row header, Amp #640456-2

<u>Pin</u>	<u>Signal</u>
1	PS-ON
2	Gnd

P10 - +3.3V Power Supply Connector

12 pin right angle, Molex #26-60-5120

<u>Pin</u>	<u>Signal</u>	<u>Pin</u>	<u>Signal</u>
1	+3.3V	7	Gnd
2	+3.3V	8	Gnd
3	+3.3V	9	Gnd
4	Gnd	10	+3.3V
5	Gnd	11	+3.3V
6	Gnd	12	+3.3V

P15 - +3.3V Extended-Current Connector (optional)

5 pin right angle, Amp #193839-4

31 Amps per circuit

<u>Pin</u>	<u>Signal</u>
1	+3.3V
2	+3.3V
3	+3.3V
4	+3.3V
5	+3.3V

P16 - +3.3V Return Extended-Current Connector (optional)

5 pin right angle, Amp #193839-4

31 Amps per circuit

<u>Pin</u>	<u>Signal</u>
1	Gnd
2	Gnd
3	Gnd
4	Gnd
5	Gnd