



PCN Number: 0604

PCN Change Level: Major

Subject: ProASIC[®]3 Pinout Changes

April 10, 2006

Dear Customer,

This PCN provides information on changes to the pinouts for A3P060-VQ100, A3P060-TQ144, and A3P060-FG144. These changes were made on the A3P060 device to achieve improved pin compatibility with larger density devices in the ProASIC 3 product family.

The pinout changes will be incorporated in Libero[®] Integrated Design Environment (IDE) v7.1, which is available now. The datasheet for the product family will be changed by April 28, 2006. The following information summarizes the changes:

Device: A3P060-VQ100

Changes include:

1. The following Globals were shifted:

- From 43 to 44
- From 44 to 45
- From 45 to 46

2. Second VMV1 added on pin 50.

3. Global added on pin 60.

Table 1: A3P060-VQ100 Pin Changes

Pin Number	Old Pin Name
43	GDC2/IO57RSB1
44	GDB2/IO56RSB1
45	GDA2/IO55RSB1
46	IO54RSB1
50	NC
60	IO44RSB0

Pin Number	New Pin Name
43	IO57RSB1
44	GDC2/IO56RSB1
45	GDB2/IO55RSB1
46	GDA2/IO54RSB1
50	VMV1
60	GCC2/IO43RSB0

**Device: A3P060-TQ144**

Changes include:

1. The following Globals were shifted:

- From 61 to 65
- From 65 to 66
- From 66 to 67

2. Total number of I/Os remains unchanged

Table 2: A3P060-TQ144 Pin Changes

Pin Number	Old Pin Name	Pin Number	New Pin Name
61	GDC2/IO57RSB1	61	IO57RSB1
65	GDB2/IO56RSB1	65	GDC2/IO56RSB1
66	GDA2/IO55RSB1	66	GDB2/IO55RSB1
67	IO54RSB1	67	GDA2/IO54RSB1

Device: A3P060-FG144

Changes include:

1. Shift in I/O numbers.

2. Total number of I/Os remains unchanged.

Table 3: A3P060-FG144 Pin Changes

Pin Number	Old Pin Name	Pin Number	New Pin Name
K9	GDC2/IO57RSB1	K9	GDC2/IO56RSB1
H8	GDB2/IO56RSB1	H8	GDB2/IO55RSB1
J9	GDA2/IO55RSB1	J9	GDA2/IO54RSB1
K8	IO54RSB1	K8	IO57RSB1

Total number of I/Os remains unchanged. For further information, please contact the Actel applications department by emailing tech@actel.com.

Regards

Actel Corporation