



April 27, 2007

PCN number: 0708

PCN change level: Major

Subject: A3P600/M7A3P600 pinout changes

Dear Purchasing,

This PCN provides information on changes in the pinouts for A3P600-PQ208/PQG208, M7A3P600-PQ208/PQG208, A3P600-FG256/FGG256, M7A3P600-FG256/FGG256, A3P600-FG484/FGG484, and M7A3P600-FG484/FGG484 devices. These changes were made on the A3P600 device to achieve improved pin compatibility and optimized performance in the ProASIC3 product family.

The pinout changes will be incorporated in Libero IDE/Designer version 8.0, which is currently planned for release in late May. The updated product family datasheet has been posted on the Actel website at [http://www.actel.com/documents/PA3\\_DS.pdf](http://www.actel.com/documents/PA3_DS.pdf). Changes in pinout functionality are summarized below:

**Device:** A3P600-PQ208/PQG208 and M7A3P600-PQ208/PQG208

**Changes:**

- Second VMV2 added to pin 53
- Second VMV0 added to pin 157

**Table 1: A3P600-PQ208/PQG208 and M7A3P600-PQ208/PQG208**

Old		New	
Pin Number	Pin Name	Pin Number	Pin Name
53	NC	53	VMV2
157	NC	157	VMV0

**Device:** A3P600-FG256/FGG256 and M7A3P600-FG256/FGG256

**Changes:**

- Second VMV2 added to pin P3
- Second VMV0 added to pin C14

**Table 2: A3P600-FG256/FGG256 and M7A3P600-FG256/FGG256**

Old		New	
Pin Number	Pin Name	Pin Number	Pin Name
C14	IO51RSB0	C14	VMV0
P3	IO138RSB2	P3	VMV2



**Device:** A3P600-FG484/FGG484 and M7A3P600-FG484/FGG484

**Changes:**

- Second VMV2 added to pin U6
- Second VMV0 added to pin F17
- Additional user I/Os added to pins K2, K21, L20, L21, M3, M20, N2, P3, P21, T1, T22, U1, U2, U21, W2, and Y2 (previously NC)
- NC added to pins J1, J2, P22, R2, AA10, and AA13 (previously I/Os)

**Table 3: A3P600-FG484/FGG484 and M7A3P600-FG484/FGG484**

Old		New	
Pin Number	Pin Name	Pin Number	Pin Name
F17	IO51RSB0	F17	VMV0
J1	IO153PDB3	J1	NC
J2	IO154NDB3	J2	NC
K2	NC	K2	IO157NDB3
K21	NC	K21	IO76NDB1
L20	NC	L20	IO77PDB1
L21	NC	L21	IO77NDB1
M3	NC	M3	IO158NPB3
M20	NC	M20	IO79PPB1
N2	NC	N2	IO154PDB3
P3	NC	P3	IO153NDB3
P21	NC	P21	IO81PDB1
P22	IO78PDB1	P22	NC
R2	IO148PDB3	R2	NC
T1	NC	T1	IO152PDB3
T22	NC	T22	IO82NDB1
U1	NC	U1	IO149PDB3
U2	NC	U2	IO149NDB3
U6	IO138RSB2	U6	VMV2
U21	NC	U21	IO83NDB1
W2	NC	W2	IO148PDB3
Y2	NC	Y2	IO148NDB3
AA10	IO116RSB2	AA10	NC
AA13	IO103RSB2	AA13	NC

For questions please contact Actel's Corporate Application hotline at [tech@actel.com](mailto:tech@actel.com).

Regards,

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