



PCN Date: March 26, 2010

PCN Number: 1007

PCN Change Level: Major

Subject: New Fabrication Vendor for MX Product Family

Dear Customer,

This notification is to inform you that Actel has expanded its manufacturing of the following MX products to include United Microelectronics Corp (UMC) as a fabrication vendor.

- A40MX02
- A40MX04
- A42MX09
- A42MX16
- A42MX24

UMC's process is being qualified as a second source foundry to better support Actel's MX capacity requirements.

Affected part numbers are listed in [Table 1 on page 2](#) through [Table 5 on page 9](#).

While we have added UMC to our manufacturing portfolio, Actel will continue to manufacture the same MX products at Global Foundry (formerly known as Chartered or CSM). Effective May 2010, Actel expects to begin shipping select devices of the MX product family from both UMC and Global Foundry.

The foundry source can be identified by the wafer lot number marked on the units.

Qualification report FP-115 will be available in March 2010. Samples in selected device and package combinations will be available March 2010.

If there are any questions, please contact Actel's technical support hotline at tech@actel.com.

Regards,

Actel

Table 1 • A40MX02

A40MX02-PL44
A40MX02-PLG44
A40MX02-FPL44
A40MX02-FPLG44
A40MX02-1PL44
A40MX02-1PLG44
A40MX02-2PL44
A40MX02-2PLG44
A40MX02-3PL44
A40MX02-3PLG44
A40MX02-PL44I
A40MX02-PLG44I
A40MX02-1PL44I
A40MX02-1PLG44I
A40MX02-2PL44I
A40MX02-2PLG44I
A40MX02-3PL44I
A40MX02-3PLG44I
A40MX02-PL44M
A40MX02-PLG44M
A40MX02-1PL44M
A40MX02-1PLG44M
A40MX02-PL68
A40MX02-PLG68
A40MX02-FPL68
A40MX02-FPLG68
A40MX02-1PL68
A40MX02-1PLG68
A40MX02-2PL68
A40MX02-2PLG68
A40MX02-3PL68

A40MX02-3PLG68
A40MX02-PL68I
A40MX02-PLG68I
A40MX02-1PL68I
A40MX02-1PLG68I
A40MX02-2PL68I
A40MX02-2PLG68I
A40MX02-3PL68I
A40MX02-3PLG68I
A40MX02-PL68A
A40MX02-PLG68A
A40MX02-PL68M
A40MX02-PLG68M
A40MX02-1PL68M
A40MX02-1PLG68M
A40MX02-PQ100
A40MX02-PQG100
A40MX02-FPQ100
A40MX02-FPQG100
A40MX02-1PQ100
A40MX02-1PQG100
A40MX02-2PQ100
A40MX02-2PQG100
A40MX02-3PQ100
A40MX02-3PQG100
A40MX02-PQ100I
A40MX02-PQG100I
A40MX02-1PQ100I
A40MX02-1PQG100I
A40MX02-2PQ100I
A40MX02-2PQG100I
A40MX02-3PQ100I

A40MX02-3PQG100I
A40MX02-PQ100A
A40MX02-PQG100A
A40MX02-PQ100M
A40MX02-PQG100M
A40MX02-1PQ100M
A40MX02-1PQG100M
A40MX02-VQ80
A40MX02-VQG80
A40MX02-FVQ80
A40MX02-FVQG80
A40MX02-1VQ80
A40MX02-1VQG80
A40MX02-2VQ80
A40MX02-2VQG80
A40MX02-3VQ80
A40MX02-3VQG80
A40MX02-VQ80I
A40MX02-VQG80I
A40MX02-1VQ80I
A40MX02-1VQG80I
A40MX02-2VQ80I
A40MX02-2VQG80I
A40MX02-3VQ80I
A40MX02-3VQG80I
A40MX02-VQ80A
A40MX02-VQG80A
A40MX02-VQ80M
A40MX02-VQG80M
A40MX02-1VQ80M
A40MX02-1VQG80M

Table 2 • A40MX04

A40MX04-PL44
A40MX04-PLG44
A40MX04-FPL44
A40MX04-FPLG44
A40MX04-1PL44
A40MX04-1PLG44
A40MX04-2PL44
A40MX04-2PLG44
A40MX04-3PL44
A40MX04-3PLG44
A40MX04-PL44I
A40MX04-PLG44I
A40MX04-1PL44I
A40MX04-1PLG44I
A40MX04-2PL44I
A40MX04-2PLG44I
A40MX04-3PL44I
A40MX04-3PLG44I
A40MX04-PL44M
A40MX04-PLG44M
A40MX04-1PL44M
A40MX04-1PLG44M
A40MX04-PL68
A40MX04-PLG68
A40MX04-FPL68
A40MX04-FPLG68
A40MX04-1PL68
A40MX04-1PLG68
A40MX04-2PL68
A40MX04-2PLG68
A40MX04-3PL68
A40MX04-3PLG68

A40MX04-PL68I
A40MX04-PLG68I
A40MX04-1PL68I
A40MX04-1PLG68I
A40MX04-2PL68I
A40MX04-2PLG68I
A40MX04-3PL68I
A40MX04-3PLG68I
A40MX04-PL68M
A40MX04-PLG68M
A40MX04-1PL68M
A40MX04-1PLG68M
A40MX04-PL84
A40MX04-PLG84
A40MX04-FPL84
A40MX04-FPLG84
A40MX04-1PL84
A40MX04-1PLG84
A40MX04-2PL84
A40MX04-2PLG84
A40MX04-3PL84
A40MX04-3PLG84
A40MX04-PL84I
A40MX04-PLG84I
A40MX04-1PL84I
A40MX04-1PLG84I
A40MX04-2PL84I
A40MX04-2PLG84I
A40MX04-3PL84I
A40MX04-3PLG84I
A40MX04-PL84A
A40MX04-PLG84A
A40MX04-PL84M

A40MX04-PLG84M
A40MX04-1PL84M
A40MX04-1PLG84M
A40MX04-PQ100
A40MX04-PQG100
A40MX04-FPQ100
A40MX04-FPQG100
A40MX04-1PQ100
A40MX04-1PQG100
A40MX04-2PQ100
A40MX04-2PQG100
A40MX04-3PQ100
A40MX04-3PQG100
A40MX04-PQ100I
A40MX04-PQG100I
A40MX04-1PQ100I
A40MX04-1PQG100I
A40MX04-2PQ100I
A40MX04-2PQG100I
A40MX04-3PQ100I
A40MX04-3PQG100I
A40MX04-PQ100A
A40MX04-PQG100A
A40MX04-PQ100M
A40MX04-PQG100M
A40MX04-1PQ100M
A40MX04-1PQG100M
A40MX04-VQ80
A40MX04-VQG80
A40MX04-FVQ80
A40MX04-FVQG80
A40MX04-1VQ80
A40MX04-1VQG80

A40MX04-2VQ80
A40MX04-2VQG80
A40MX04-3VQ80
A40MX04-3VQG80
A40MX04-VQ80I
A40MX04-VQG80I
A40MX04-1VQ80I
A40MX04-1VQG80I
A40MX04-2VQ80I
A40MX04-2VQG80I
A40MX04-3VQ80I
A40MX04-3VQG80I
A40MX04-VQ80A
A40MX04-VQG80A
A40MX04-VQ80M
A40MX04-VQG80M
A40MX04-1VQ80M
A40MX04-1VQG80M

Table 3 • A42MX09

A42MX09-PL84
A42MX09-PLG84
A42MX09-FPL84
A42MX09-FPLG84
A42MX09-1PL84
A42MX09-1PLG84
A42MX09-2PL84
A42MX09-2PLG84
A42MX09-3PL84
A42MX09-3PLG84
A42MX09-PL84I
A42MX09-PLG84I
A42MX09-1PL84I
A42MX09-1PLG84I
A42MX09-2PL84I
A42MX09-2PLG84I
A42MX09-3PL84I
A42MX09-3PLG84I
A42MX09-PL84A
A42MX09-PLG84A
A42MX09-PL84M
A42MX09-PLG84M
A42MX09-1PL84M
A42MX09-1PLG84M
A42MX09-PQ100
A42MX09-PQG100
A42MX09-FPQ100
A42MX09-FPQG100
A42MX09-1PQ100
A42MX09-1PQG100
A42MX09-2PQ100
A42MX09-2PQG100

A42MX09-3PQ100
A42MX09-3PQG100
A42MX09-PQ100I
A42MX09-PQG100I
A42MX09-1PQ100I
A42MX09-1PQG100I
A42MX09-2PQ100I
A42MX09-2PQG100I
A42MX09-3PQ100I
A42MX09-3PQG100I
A42MX09-PQ100A
A42MX09-PQG100A
A42MX09-PQ100M
A42MX09-PQG100M
A42MX09-1PQ100M
A42MX09-1PQG100M
A42MX09-PQ160
A42MX09-PQG160
A42MX09-FPQ160
A42MX09-FPQG160
A42MX09-1PQ160
A42MX09-1PQG160
A42MX09-2PQ160
A42MX09-2PQG160
A42MX09-3PQ160
A42MX09-3PQG160
A42MX09-PQ160I
A42MX09-PQG160I
A42MX09-1PQ160I
A42MX09-1PQG160I
A42MX09-2PQ160I
A42MX09-2PQG160I
A42MX09-3PQ160I

A42MX09-3PQG160I
A42MX09-PQ160A
A42MX09-PQG160A
A42MX09-PQ160M
A42MX09-PQG160M
A42MX09-1PQ160M
A42MX09-1PQG160M
A42MX09-TQ176
A42MX09-TQG176
A42MX09-FTQ176
A42MX09-FTQG176
A42MX09-1TQ176
A42MX09-1TQG176
A42MX09-2TQ176
A42MX09-2TQG176
A42MX09-3TQ176
A42MX09-3TQG176
A42MX09-TQ176I
A42MX09-TQG176I
A42MX09-1TQ176I
A42MX09-1TQG176I
A42MX09-2TQ176I
A42MX09-2TQG176I
A42MX09-3TQ176I
A42MX09-3TQG176I
A42MX09-TQ176A
A42MX09-TQG176A
A42MX09-TQ176M
A42MX09-TQG176M
A42MX09-1TQ176M
A42MX09-1TQG176M
A42MX09-VQ100
A42MX09-VQG100

A42MX09-FVQ100
A42MX09-FVQG100
A42MX09-1VQ100
A42MX09-1VQG100
A42MX09-2VQ100
A42MX09-2VQG100
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A42MX09-VQG100I
A42MX09-1VQ100I
A42MX09-1VQG100I
A42MX09-2VQ100I
A42MX09-2VQG100I
A42MX09-3VQ100I
A42MX09-3VQG100I
A42MX09-VQ100A
A42MX09-VQG100A
A42MX09-VQ100M
A42MX09-VQG100M
A42MX09-1VQ100M
A42MX09-1VQG100M

Table 4 • A42MX16

A42MX16-PL84
A42MX16-PLG84
A42MX16-FPL84
A42MX16-FPLG84
A42MX16-1PL84
A42MX16-1PLG84
A42MX16-2PL84
A42MX16-2PLG84
A42MX16-3PL84
A42MX16-3PLG84
A42MX16-PL84I
A42MX16-PLG84I
A42MX16-1PL84I
A42MX16-1PLG84I
A42MX16-2PL84I
A42MX16-2PLG84I
A42MX16-3PL84I
A42MX16-3PLG84I
A42MX16-PL84A
A42MX16-PLG84A
A42MX16-PL84M
A42MX16-PLG84M
A42MX16-1PL84M
A42MX16-1PLG84M
A42MX16-PQ100
A42MX16-PQG100
A42MX16-FPQ100
A42MX16-FPQG100
A42MX16-1PQ100
A42MX16-1PQG100
A42MX16-2PQ100
A42MX16-2PQG100

A42MX16-3PQ100
A42MX16-3PQG100
A42MX16-PQ100I
A42MX16-PQG100I
A42MX16-1PQ100I
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A42MX16-2PQ100I
A42MX16-2PQG100I
A42MX16-3PQ100I
A42MX16-3PQG100I
A42MX16-PQ100A
A42MX16-PQG100A
A42MX16-PQ100M
A42MX16-PQG100M
A42MX16-1PQ100M
A42MX16-1PQG100M
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A42MX16-PQG160
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A42MX16-FPQG160
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A42MX16-1PQG160
A42MX16-2PQ160
A42MX16-2PQG160
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A42MX16-3PQG160
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A42MX16-PQG160I
A42MX16-1PQ160I
A42MX16-1PQG160I
A42MX16-2PQ160I
A42MX16-2PQG160I
A42MX16-3PQ160I

A42MX16-3PQG160I
A42MX16-PQ160A
A42MX16-PQG160A
A42MX16-PQ160M
A42MX16-PQG160M
A42MX16-1PQ160M
A42MX16-1PQG160M
A42MX16-PQ208
A42MX16-PQG208
A42MX16-FPQ208
A42MX16-FPQG208
A42MX16-1PQ208
A42MX16-1PQG208
A42MX16-2PQ208
A42MX16-2PQG208
A42MX16-3PQ208
A42MX16-3PQG208
A42MX16-PQ208I
A42MX16-PQG208I
A42MX16-1PQ208I
A42MX16-1PQG208I
A42MX16-2PQ208I
A42MX16-2PQG208I
A42MX16-3PQ208I
A42MX16-3PQG208I
A42MX16-PQ208A
A42MX16-PQG208A
A42MX16-PQ208M
A42MX16-PQG208M
A42MX16-1PQ208M
A42MX16-1PQG208M
A42MX16-TQ176
A42MX16-TQG176

A42MX16-FTQ176
A42MX16-FTQG176
A42MX16-1TQ176
A42MX16-1TQG176
A42MX16-2TQ176
A42MX16-2TQG176
A42MX16-3TQ176
A42MX16-3TQG176
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A42MX16-TQG176I
A42MX16-1TQ176I
A42MX16-1TQG176I
A42MX16-2TQ176I
A42MX16-2TQG176I
A42MX16-3TQ176I
A42MX16-3TQG176I
A42MX16-TQ176A
A42MX16-TQG176A
A42MX16-TQ176M
A42MX16-TQG176M
A42MX16-1TQ176M
A42MX16-1TQG176M
A42MX16-VQ100
A42MX16-VQG100
A42MX16-FVQ100
A42MX16-FVQG100
A42MX16-1VQ100
A42MX16-1VQG100
A42MX16-2VQ100
A42MX16-2VQG100
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A42MX16-1VQG100I
A42MX16-2VQ100I
A42MX16-2VQG100I
A42MX16-3VQ100I
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A42MX16-VQ100A
A42MX16-VQG100A
A42MX16-VQ100M
A42MX16-VQG100M
A42MX16-1VQ100M
A42MX16-1VQG100M

Table 5 • A42MX24

A42MX24-PL84
A42MX24-PLG84
A42MX24-FPL84
A42MX24-FPLG84
A42MX24-1PL84
A42MX24-1PLG84
A42MX24-2PL84
A42MX24-2PLG84
A42MX24-3PL84
A42MX24-3PLG84
A42MX24-PL84I
A42MX24-PLG84I
A42MX24-1PL84I
A42MX24-1PLG84I
A42MX24-2PL84I
A42MX24-2PLG84I
A42MX24-3PL84I
A42MX24-3PLG84I
A42MX24-PL84M
A42MX24-PLG84M
A42MX24-1PL84M
A42MX24-1PLG84M
A42MX24-PQ160
A42MX24-PQG160
A42MX24-FPQ160
A42MX24-FPQG160
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A42MX24-1PQG160
A42MX24-2PQ160
A42MX24-2PQG160
A42MX24-3PQ160
A42MX24-3PQG160

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A42MX24-PQG160I
A42MX24-1PQ160I
A42MX24-1PQG160I
A42MX24-2PQ160I
A42MX24-2PQG160I
A42MX24-3PQ160I
A42MX24-3PQG160I
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A42MX24-PQG160A
A42MX24-PQ160M
A42MX24-PQG160M
A42MX24-1PQ160M
A42MX24-1PQG160M
A42MX24-PQ208
A42MX24-PQG208
A42MX24-FPQ208
A42MX24-FPQG208
A42MX24-1PQ208
A42MX24-1PQG208
A42MX24-2PQ208
A42MX24-2PQG208
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A42MX24-PQG208I
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A42MX24-2PQG208I
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A42MX24-PQ208M
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A42MX24-1PQG208M
A42MX24-TQ176
A42MX24-TQG176
A42MX24-FTQ176
A42MX24-FTQG176
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A42MX24-1TQG176
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A42MX24-2TQG176
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A42MX24-2TQG176I
A42MX24-3TQ176I
A42MX24-3TQG176I
A42MX24-TQ176A
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A42MX24-TQG176M
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A42MX24-1TQG176M