

## Microsemi Corporation: PDN18005

February 07, 2018

Product Discontinuation Notification (PDN) No: PDN18005

### Subject

Product Discontinuation Notice - Select SoC QFP and PLCC Packages with SnPb Finish Part Numbers

### Description

Amkor Philippines, Microsemi's sole leaded QFP and PLCC supplier, will no longer accept orders on these part numbers after August 7, 2018. All of these packages offer lead-free alternative packages.

Microsemi is discontinuing support for part numbers in QFP and PLCC packages having SnPb terminal plating finish.

### Reason for Discontinuation

Microsemi's SnPb QFP and PLCC vendor, Amkor Philippines, is closing the SnPb plating line. The affected Microsemi part numbers are being discontinued. Please see the part number table below.

### Customer Impact

Customers should migrate to equivalent pin compatible lead-free packaged devices.

### Limited Availability, Timely Forecast, and Order Placement

Every effort should be made to place last-time buy orders in a timely manner; do not wait until the last moment to place orders. Timely order placement, especially in cases where demand may exceed historical run-rates, is critical to optimize availability of these products.

Orders for the products affected will be non-cancelable and non-returnable (NCNR). In addition, the request date(s) cannot be extended beyond the last-time ship date.

Microsemi will honor a six month period to place last-time buys, and an additional twenty-six (26) months to take receipt of products.

### Replacement Parts

For all of the affected products there are migration paths to pin compatible devices in similar packages.

### Important Dates

Last Order Date: Aug 7, 2018

Last Shipment Date: October 31, 2020

### Products Affected by this Discontinuation

This is a list of ordering part numbers (OPNs) found in our product datasheets. Customers may use additional part number variants in their systems, so please consider this a base part list.

**Table 1 • Affected Parts List**

|                  |                   |                 |                  |
|------------------|-------------------|-----------------|------------------|
| A2F200M3F-1PQ208 | A2F200M3F-1PQ208I | A2F200M3F-PQ208 | A2F200M3F-PQ208I |
| A2F500M3G-1PQ208 | A2F500M3G-1PQ208I | A2F500M3G-PQ208 | A2F500M3G-PQ208I |
| A3P060-1TQ144    | A3P060-1TQ144I    | A3P060-2TQ144   | A3P060-2TQ144I   |

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|-----------------|------------------|------------------|-------------------|
| A3P060-TQ144    | A3P060-TQ144I    | A3P1000-1PQ208   | A3P1000-1PQ208I   |
| A3P1000-1PQ208M | A3P1000-2PQ208   | A3P1000-2PQ208I  | A3P1000-PQ208     |
| A3P1000-PQ208I  | A3P1000-PQ208M   | A3P125-1PQ208    | A3P125-1PQ208I    |
| A3P125-1TQ144   | A3P125-1TQ144I   | A3P125-2PQ208    | A3P125-2PQ208I    |
| A3P125-2TQ144   | A3P125-2TQ144I   | A3P125-PQ208     | A3P125-PQ208I     |
| A3P125-TQ144    | A3P125-TQ144I    | A3P250-1PQ208    | A3P250-1PQ208I    |
| A3P250-2PQ208   | A3P250-2PQ208I   | A3P250-PQ208     | A3P250-PQ208I     |
| A3P400-1PQ208   | A3P400-1PQ208I   | A3P400-2PQ208    | A3P400-2PQ208I    |
| A3P400-PQ208    | A3P400-PQ208I    | A3P600-1PQ208    | A3P600-1PQ208I    |
| A3P600-2PQ208   | A3P600-2PQ208I   | A3P600-PQ208     | A3P600-PQ208I     |
| A3PE1500-1PQ208 | A3PE1500-1PQ208I | A3PE1500-2PQ208  | A3PE1500-2PQ208I  |
| A3PE1500-PQ208  | A3PE1500-PQ208I  | A3PE3000-1PQ208  | A3PE3000-1PQ208I  |
| A3PE3000-2PQ208 | A3PE3000-2PQ208I | A3PE3000L-1PQ208 | A3PE3000L-1PQ208I |
| A3PE3000L-PQ208 | A3PE3000L-PQ208I | A3PE3000-PQ208   | A3PE3000-PQ208I   |
| A40MX02-1PL44   | A40MX02-1PL44I   | A40MX02-1PL44M   | A40MX02-1PL68     |
| A40MX02-1PL68I  | A40MX02-1PL68M   | A40MX02-1PQ100   | A40MX02-1PQ100I   |
| A40MX02-1PQ100M | A40MX02-1VQ80    | A40MX02-1VQ80I   | A40MX02-1VQ80M    |
| A40MX02-2PL44   | A40MX02-2PL44I   | A40MX02-2PL68    | A40MX02-2PL68I    |
| A40MX02-2PQ100  | A40MX02-2PQ100I  | A40MX02-2VQ80    | A40MX02-2VQ80I    |
| A40MX02-3PL44   | A40MX02-3PL44I   | A40MX02-3PL68    | A40MX02-3PL68I    |
| A40MX02-3PQ100  | A40MX02-3PQ100I  | A40MX02-3VQ80    | A40MX02-3VQ80I    |
| A40MX02-FPL44   | A40MX02-FPL68    | A40MX02-FPQ100   | A40MX02-FVQ80     |
| A40MX02-PL44    | A40MX02-PL44I    | A40MX02-PL44M    | A40MX02-PL68      |
| A40MX02-PL68A   | A40MX02-PL68I    | A40MX02-PL68M    | A40MX02-PQ100     |
| A40MX02-PQ100A  | A40MX02-PQ100I   | A40MX02-PQ100M   | A40MX02-VQ80      |
| A40MX02-VQ80A   | A40MX02-VQ80I    | A40MX02-VQ80M    | A40MX04-1PL44     |
| A40MX04-1PL44I  | A40MX04-1PL44M   | A40MX04-1PL68    | A40MX04-1PL68I    |
| A40MX04-1PL68M  | A40MX04-1PL84    | A40MX04-1PL84I   | A40MX04-1PL84M    |
| A40MX04-1PQ100  | A40MX04-1PQ100I  | A40MX04-1PQ100M  | A40MX04-1VQ80     |
| A40MX04-1VQ80I  | A40MX04-1VQ80M   | A40MX04-2PL44    | A40MX04-2PL44I    |
| A40MX04-2PL68   | A40MX04-2PL68I   | A40MX04-2PL84    | A40MX04-2PL84I    |
| A40MX04-2PQ100  | A40MX04-2PQ100I  | A40MX04-2VQ80    | A40MX04-2VQ80I    |
| A40MX04-3PL44   | A40MX04-3PL44I   | A40MX04-3PL68    | A40MX04-3PL68I    |
| A40MX04-3PL84   | A40MX04-3PL84I   | A40MX04-3PQ100   | A40MX04-3PQ100I   |
| A40MX04-3VQ80   | A40MX04-3VQ80I   | A40MX04-FPL44    | A40MX04-FPL68     |
| A40MX04-FPL84   | A40MX04-FPQ100   | A40MX04-FVQ80    | A40MX04-PL44      |
| A40MX04-PL44I   | A40MX04-PL44M    | A40MX04-PL68     | A40MX04-PL68I     |
| A40MX04-PL68M   | A40MX04-PL84     | A40MX04-PL84A    | A40MX04-PL84I     |
| A40MX04-PL84M   | A40MX04-PQ100    | A40MX04-PQ100A   | A40MX04-PQ100I    |
| A40MX04-PQ100M  | A40MX04-VQ80     | A40MX04-VQ80A    | A40MX04-VQ80I     |
| A40MX04-VQ80M   | A42MX09-1PL84    | A42MX09-1PL84I   | A42MX09-1PL84M    |

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| A42MX09-1PQ100   | A42MX09-1PQ100I  | A42MX09-1PQ100M  | A42MX09-1VQ100   |
| A42MX09-1VQ100I  | A42MX09-1VQ100M  | A42MX09-2PL84    | A42MX09-2PL84I   |
| A42MX09-2PQ100   | A42MX09-2PQ100I  | A42MX09-2VQ100   | A42MX09-2VQ100I  |
| A42MX09-3PL84    | A42MX09-3PL84I   | A42MX09-3PQ100   | A42MX09-3PQ100I  |
| A42MX09-3VQ100   | A42MX09-3VQ100I  | A42MX09-FPL84    | A42MX09-FPQ100   |
| A42MX09-FVQ100   | A42MX09-PL84     | A42MX09-PL84A    | A42MX09-PL84I    |
| A42MX09-PL84M    | A42MX09-PQ100    | A42MX09-PQ100A   | A42MX09-PQ100I   |
| A42MX09-PQ100M   | A42MX09-PQ144    | A42MX09-PQ144I   | A42MX09-PQ144M   |
| A42MX09-VQ100    | A42MX09-VQ100A   | A42MX09-VQ100I   | A42MX09-VQ100M   |
| A42MX16-1PL84    | A42MX16-1PL84I   | A42MX16-1PL84M   | A42MX16-1PQ100   |
| A42MX16-1PQ100I  | A42MX16-1PQ100M  | A42MX16-1PQ208   | A42MX16-1PQ208I  |
| A42MX16-1PQ208M  | A42MX16-1VQ100   | A42MX16-1VQ100I  | A42MX16-1VQ100M  |
| A42MX16-2PL84    | A42MX16-2PL84I   | A42MX16-2PQ100   | A42MX16-2PQ100I  |
| A42MX16-2PQ208   | A42MX16-2PQ208I  | A42MX16-2VQ100   | A42MX16-2VQ100I  |
| A42MX16-3PL84    | A42MX16-3PL84I   | A42MX16-3PQ100   | A42MX16-3PQ100I  |
| A42MX16-3PQ208   | A42MX16-3PQ208I  | A42MX16-3VQ100   | A42MX16-3VQ100I  |
| A42MX16-FPL84    | A42MX16-FPQ100   | A42MX16-FPQ208   | A42MX16-FVQ100   |
| A42MX16-PL84     | A42MX16-PL84A    | A42MX16-PL84I    | A42MX16-PL84M    |
| A42MX16-PQ100    | A42MX16-PQ100A   | A42MX16-PQ100I   | A42MX16-PQ100M   |
| A42MX16-PQ208    | A42MX16-PQ208A   | A42MX16-PQ208I   | A42MX16-PQ208M   |
| A42MX16-VQ100    | A42MX16-VQ100A   | A42MX16-VQ100I   | A42MX16-VQ100M   |
| A42MX24-1PL84    | A42MX24-1PL84I   | A42MX24-1PL84M   | A42MX24-1PQ160M  |
| A42MX24-1PQ208   | A42MX24-1PQ208I  | A42MX24-1PQ208M  | A42MX24-2PL84    |
| A42MX24-2PL84I   | A42MX24-2PQ208   | A42MX24-2PQ208I  | A42MX24-3PL84    |
| A42MX24-3PL84I   | A42MX24-3PQ160I  | A42MX24-3PQ208   | A42MX24-3PQ208I  |
| A42MX24-FPL84    | A42MX24-FPQ208   | A42MX24-PL84     | A42MX24-PL84I    |
| A42MX24-PL84M    | A42MX24-PQ160A   | A42MX24-PQ160M   | A42MX24-PQ208    |
| A42MX24-PQ208A   | A42MX24-PQ208I   | A42MX24-PQ208M   | A42MX36-1PQ208   |
| A42MX36-1PQ208I  | A42MX36-1PQ208M  | A42MX36-2PQ208   | A42MX36-2PQ208I  |
| A42MX36-3PQ208   | A42MX36-3PQ208I  | A42MX36-FPQ208   | A42MX36-PQ208    |
| A42MX36-PQ208A   | A42MX36-PQ208I   | A42MX36-PQ208M   | A54SX08A-1TQ100  |
| A54SX08A-1TQ100I | A54SX08A-1TQ144  | A54SX08A-1TQ144I | A54SX08A-2TQ100  |
| A54SX08A-2TQ100I | A54SX08A-2TQ144  | A54SX08A-2TQ144I | A54SX08A-FTQ100  |
| A54SX08A-FTQ144  | A54SX08A-TQ100   | A54SX08A-TQ100A  | A54SX08A-TQ100I  |
| A54SX08A-TQ144   | A54SX08A-TQ144A  | A54SX08A-TQ144I  | A54SX16A-1PQ208  |
| A54SX16A-1PQ208I | A54SX16A-1PQ208M | A54SX16A-1TQ100  | A54SX16A-1TQ100I |
| A54SX16A-1TQ100M | A54SX16A-1TQ144  | A54SX16A-1TQ144I | A54SX16A-1TQ144M |
| A54SX16A-2PQ208  | A54SX16A-2PQ208I | A54SX16A-2TQ100  | A54SX16A-2TQ100I |
| A54SX16A-2TQ144  | A54SX16A-2TQ144I | A54SX16A-FPQ208  | A54SX16A-FTQ100  |
| A54SX16A-FTQ144  | A54SX16A-PQ208   | A54SX16A-PQ208A  | A54SX16A-PQ208I  |
| A54SX16A-PQ208M  | A54SX16A-TQ100   | A54SX16A-TQ100A  | A54SX16A-TQ100I  |

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| A54SX16A-TQ100M   | A54SX16A-TQ144    | A54SX16A-TQ144A   | A54SX16A-TQ144I  |
| A54SX16A-TQ144M   | A54SX16P-1PQ208   | A54SX16P-1PQ208I  | A54SX16P-1VQ100  |
| A54SX16P-1VQ100I  | A54SX16P-2PQ208   | A54SX16P-2PQ208I  | A54SX16P-2VQ100  |
| A54SX16P-2VQ100I  | A54SX16P-PQ208    | A54SX16P-PQ208I   | A54SX16P-PQ208M  |
| A54SX16P-VQ100    | A54SX16P-VQ100I   | A54SX32-1PQ208    | A54SX32-1PQ208I  |
| A54SX32-1PQ208M   | A54SX32-1TQ144    | A54SX32-1TQ144I   | A54SX32-1TQ144M  |
| A54SX32-2PQ208    | A54SX32-2PQ208I   | A54SX32-2TQ144    | A54SX32-2TQ144I  |
| A54SX32A-1PQ208   | A54SX32A-1PQ208I  | A54SX32A-1PQ208M  | A54SX32A-1TQ100  |
| A54SX32A-1TQ100I  | A54SX32A-1TQ100M  | A54SX32A-1TQ144   | A54SX32A-1TQ144I |
| A54SX32A-1TQ144M  | A54SX32A-2PQ208   | A54SX32A-2PQ208I  | A54SX32A-2TQ100  |
| A54SX32A-2TQ100I  | A54SX32A-2TQ144   | A54SX32A-2TQ144I  | A54SX32A-FPQ208  |
| A54SX32A-FTQ100   | A54SX32A-FTQ144   | A54SX32A-PQ208    | A54SX32A-PQ208A  |
| A54SX32A-PQ208I   | A54SX32A-PQ208M   | A54SX32A-TQ100    | A54SX32A-TQ100A  |
| A54SX32A-TQ100I   | A54SX32A-TQ100M   | A54SX32A-TQ144    | A54SX32A-TQ144A  |
| A54SX32A-TQ144I   | A54SX32A-TQ144M   | A54SX32-PQ208     | A54SX32-PQ208I   |
| A54SX32-PQ208M    | A54SX32-TQ144     | A54SX32-TQ144I    | A54SX32-TQ144M   |
| A54SX72A-1PQ208   | A54SX72A-1PQ208I  | A54SX72A-1PQ208M  | A54SX72A-2PQ208  |
| A54SX72A-2PQ208I  | A54SX72A-FPQ208   | A54SX72A-PQ208    | A54SX72A-PQ208A  |
| A54SX72A-PQ208I   | A54SX72A-PQ208M   | AGLP060V2-VQ176   | AGLP060V2-VQ176I |
| AGLP060V5-VQ176   | AGLP060V5-VQ176I  | APA075-PQ208      | APA075-PQ208A    |
| APA075-PQ208I     | APA075-TQ100      | APA075-TQ100A     | APA075-TQ100I    |
| APA075-TQ144      | APA075-TQ144I     | APA1000-PQ208     | APA1000-PQ208A   |
| APA1000-PQ208I    | APA1000-PQ208M    | APA150-PQ208      | APA150-PQ208A    |
| APA150-PQ208I     | APA150-TQ100      | APA150-TQ100A     | APA150-TQ100I    |
| APA300-PQ208      | APA300-PQ208A     | APA300-PQ208I     | APA300-PQ208M    |
| APA450-PQ208      | APA450-PQ208A     | APA450-PQ208I     | APA600-PQ208     |
| APA600-PQ208A     | APA600-PQ208I     | APA600-PQ208M     | APA750-PQ208     |
| APA750-PQ208A     | APA750-PQ208I     | AX250-1PQ208M     | AX250-PQ208M     |
| AX500-1PQ208      | AX500-1PQ208I     | AX500-1PQ208M     | AX500-2PQ208     |
| AX500-2PQ208I     | AX500-PQ208       | AX500-PQ208I      | AX500-PQ208M     |
| eX128-FTQ100      | eX128-FTQ64       | eX128-PTQ100      | EX128-PTQ100I    |
| eX128-PTQ64       | EX128-PTQ64I      | eX128-TQ100       | eX128-TQ100A     |
| eX128-TQ100I      | eX128-TQ64        | eX128-TQ64A       | eX128-TQ64I      |
| eX256-FTQ100      | eX256-PTQ100      | eX256-PTQ100I     | eX256-TQ100      |
| eX256-TQ100A      | eX256-TQ100I      | eX64-FTQ64        | eX64-PTQ64       |
| eX64-PTQ64I       | eX64-TQ64         | eX64-TQ64A        | eX64-TQ64I       |
| M1A3P1000-1PQ208  | M1A3P1000-1PQ208I | M1A3P1000-1PQ208M | M1A3P1000-2PQ208 |
| M1A3P1000-2PQ208I | M1A3P1000-PQ208   | M1A3P1000-PQ208I  | M1A3P1000-PQ208M |
| M1A3P250-1PQ208   | M1A3P250-1PQ208I  | M1A3P250-2PQ208   | M1A3P250-2PQ208I |
| M1A3P250-PQ208    | M1A3P250-PQ208I   | M1A3P400-1PQ208   | M1A3P400-1PQ208I |
| M1A3P400-2PQ208   | M1A3P400-2PQ208I  | M1A3P400-PQ208    | M1A3P400-PQ208I  |

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|--------------------|---------------------|-------------------|--------------------|
| M1A3P600-1PQ208    | M1A3P600-1PQ208I    | M1A3P600-2PQ208   | M1A3P600-2PQ208I   |
| M1A3P600-PQ208     | M1A3P600-PQ208I     | M1A3PE1500-1PQ208 | M1A3PE1500-1PQ208I |
| M1A3PE1500-2PQ208  | M1A3PE1500-2PQ208I  | M1A3PE1500-PQ208  | M1A3PE1500-PQ208I  |
| M1A3PE3000-1PQ208  | M1A3PE3000-1PQ208I  | M1A3PE3000-2PQ208 | M1A3PE3000-2PQ208I |
| M1A3PE3000L-1PQ208 | M1A3PE3000L-1PQ208I | M1A3PE3000L-PQ208 | M1A3PE3000L-PQ208I |
| M1A3PE3000-PQ208   | M1A3PE3000-PQ208I   | M2GL005-1TQ144    | M2GL005-1TQ144I    |
| M2GL005S-1TQ144    | M2GL005S-1TQ144I    | M2GL005S-TQ144    | M2GL005S-TQ144I    |
| M2GL005-TQ144      | M2GL005-TQ144I      | M2GL010-1TQ144    | M2GL010-1TQ144I    |
| M2GL010S-1TQ144    | M2GL010S-1TQ144I    | M2GL010S-TQ144    | M2GL010S-TQ144I    |
| M2GL010-TQ144      | M2GL010-TQ144I      | M2S005-1TQ144     | M2S005-1TQ144I     |
| M2S005S-1TQ144     | M2S005S-1TQ144I     | M2S005S-TQ144     | M2S005S-TQ144I     |
| M2S005-TQ144       | M2S005-TQ144I       | M2S010-1TQ144     | M2S010-1TQ144I     |
| M2S010S-1TQ144     | M2S010S-1TQ144I     | M2S010S-TQ144     | M2S010S-TQ144I     |
| M2S010-TQ144       | M2S010-TQ144I       | M7A3P1000-1PQ208  | M7A3P1000-1PQ208I  |
| M7A3P1000-2PQ208   | M7A3P1000-2PQ208I   | M7A3P1000-PQ208   | M7A3P1000-PQ208I   |

## Contact Information

Please contact your local Microsemi Sales Office for information regarding this PDN.

## Regards,

Microsemi Corporation

Any projected dates in this notification are based on the most current product information at the time this PDN is being issued, but they may change due to unforeseen circumstances. For the latest schedule and any other information, please contact your local Microsemi Sales Office, the factory contact shown above, or your local distributor.

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# Discontinuance Notice

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