



130 W Cochran St, Unit B  
Simi Valley, CA 93065  
Tel:818-701-4933

## Final Process Change Notification (FPCN)

|                                           |                                                                                                                                                |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notification number:</b>               | <b>041825-1</b>                                                                                                                                |
| <b>Notification date:</b>                 | <b>18 Apr 2025</b>                                                                                                                             |
| <b>Proposed implementation date:</b>      | 18 Jul 2025                                                                                                                                    |
| <b>Product type affected:</b>             | Please refer to Appendix 1 & Appendix 2 .                                                                                                      |
| <b>Change Category</b>                    | Additional assembly , test centre&2nd source of Chip                                                                                           |
| <b>Change Classification</b>              | Major                                                                                                                                          |
| <b>Change description:</b>                | Releasing of new MCC plant in Vietnam to support increasing production capacity.                                                               |
| <b>Reason for change:</b>                 | Increase flexibility and volume ramp up according to company's development plan.                                                               |
| <b>Deposition of old product</b>          | Additional new product will produce in parallel with existing product.                                                                         |
| <b>Identification of Changed product:</b> | Identify by manufacturing location (COO) and marking on the product body. Please refer to table 2 in Appendix 1.                               |
| <b>Contact person:</b>                    | Please contact your respective Account manager (AM) / Inside sales representative (ISR/CSR) if you have further query.                         |
| <b>Approved by:</b>                       | TH Koay (Director of Product)<br>Steve Zhang (Director of Supply Chain)<br>Seaman Wu (Director of Quality)<br>Pamela Cheng (GM & EVP of Sales) |



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Appendix 1: Table 1

| Package&Category                                                                                                                                                                                             | Current Manufacturing Site                                                                                                                             | Additional/ New manufacturing site                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Package:<br>SOT-23,<br>SOD-123,SOD-323<br><br>Product Category:<br>Zener Diodes,<br>Switching Diodes,<br>Small Signal Schottky<br>Diodes,<br>Small Signal<br>MOSFETs,<br>Small Signal Bipolar<br>Transistors | Factory Address:<br>(1)Micro Commercial Components<br>Corp. Ltd.<br>No.68, New Ganquan Road,<br>Economic Development Zone,<br>Yangzhou, Jiangsu, China | Factory Address:<br>(1)Micro Commercial Components<br>Corp. Ltd.<br>No.68, New Ganquan Road,<br>Economic Development Zone,<br>Yangzhou, Jiangsu, China<br><br>(2)Micro Commercial Components<br>Vietnam Company Limited<br>Lot No. CN2-1 Yen phong II-C<br>Industrial Park, Tam Giang Ward,<br>Yen Phong Town, Bac Ninh City, Bac<br>Ninh Province,VietNam. |

**Note:**

- (1)This change only includes non-AECQ products.
- (2)For the list of affected part numbers contained in the above Package, please see Table 2.
- (3)To meet specific customer requirements, this change will lower the minimum limit of dimension D in the POD (Package Outline Dimension) for SOD323 packages, without affecting other products' POD or any characteristic parameters.



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## Appendix 1: Table 2

| List of affected products |                |                     |                |               |
|---------------------------|----------------|---------------------|----------------|---------------|
| 1N4148W-13P               | BAS40-05-TPS01 | BZT52B12BS-TP       | BZT52B6V2JS-TP | BZT52C4V7-TP  |
| 1N4148W-TP                | BAS40-06-TP    | BZT52B13-TP         | BZT52B6V8-TP   | BZT52C4V7S-TP |
| 1N4148W-TP-HF             | BAS40-TP       | BZT52B13-TP-HF-B002 | BZT52B6V8BS-TP | BZT52C56S-TP  |
| 1N4148WX-TP               | BAS70-04-TP    | BZT52B13JS-TP       | BZT52B6V8JS-TP | BZT52C5V1-TP  |
| 1N4148WX-TP-HF            | BAS70-05-TP    | BZT52B15-TP         | BZT52B7JS-TP   | BZT52C5V1S-TP |
| 1N4448W-13P               | BAS70-06-TP    | BZT52B15BS-TP       | BZT52B7V5-TP   | BZT52C5V6-TP  |
| 1N4448W-TP                | BAS70-TP       | BZT52B16BS-TP       | BZT52B8V2-TP   | BZT52C5V6S-TP |
| 1N4448WX-TP               | BAS70WX-TP     | BZT52B16JS-TP       | BZT52B8V2JS-TP | BZT52C62-TP   |
| 1SS355-TP                 | BAT165WS-TP    | BZT52B18BS-TP       | BZT52B9V1-TP   | BZT52C6V2-TP  |
| 1SS355-TP-HF              | BAT42WS-TP     | BZT52B18JS-TP       | BZT52B9V1BS-TP | BZT52C6V2S-TP |
| 1SS357-TP                 | BAT43W-TP      | BZT52B20-TP         | BZT52B9V1JS-TP | BZT52C6V8-TP  |
| AZ23C15-TP                | BAT43WS-TP     | BZT52B20-TP-HF-B002 | BZT52C10-TP    | BZT52C75-TP   |
| AZ23C18-TP                | BAT46W-TP      | BZT52B20BS-TP       | BZT52C10S-TP   | BZT52C7V5-TP  |
| AZ23C20-TP                | BAT46WS-TP     | BZT52B20JS-TP       | BZT52C11-TP    | BZT52C7V5S-TP |
| AZ23C24-TP                | BAT54-TP       | BZT52B22-TP         | BZT52C12-TP    | BZT52C8V2-TP  |
| AZ23C33-TP                | BZX84B18-TPS01 | BZT52B24-TP         | BZT52C12S-TP   | BZT52C8V2S-TP |
| AZ23C36-TP                | BSS84-TP       | BZT52B24BS-TP       | BZT52C13-TP    | BZT52C9V1-TP  |
| AZ23C3V6-TP               | SI3400A-TP     | BZT52B27-TP         | BZT52C13S-TP   | BZX84B10-TP   |
| AZ23C3V9-TP               | BAT54W-TP      | BZT52B27BS-TP       | BZT52C15-TP    | BZX84B11-TP   |
| AZ23C4V3-TP               | BAT54WS-TP     | BZT52B2V4-TP        | BZT52C15S-TP   | BZX84B12-TP   |
| AZ23C5V1-TP               | BAT54WSH-TP    | BZT52B30-TP         | BZT52C16-TP    | BZX84B13-TP   |
| AZ23C5V6-TP               | BAT750-TP      | BZT52B30JS-TP       | BZT52C18-TP    | BZX84B15-TP   |
| AZ23C6V2-TP               | BAV170-TP      | BZT52B33-TP         | BZT52C18S-TP   | BZX84B16-TP   |
| AZ23C9V1-TP               | BAV19W-TP      | BZT52B33BS-TP       | BZT52C20-TP    | BZX84B18-TP   |
| B05100W-TP                | BAV19WS-TP     | BZT52B33JS-TP       | BZT52C20S-TP   | BZX84B20-TP   |
| B0530WS-TP                | BAV20W-TP      | BZT52B36-TP         | BZT52C22-TP    | BZX84B24-TP   |
| B0540W-TP                 | BAV20WS-TP     | BZT52B39-TP         | BZT52C22S-TP   | BZX84B27-TP   |
| B0540WS-TP                | BAV21W-TP      | BZT52B39JS-TP       | BZT52C24-TP    | BZX84B30-TP   |
| B5817W-TP                 | BAV21WS-TP     | BZT52B3V0BS-TP      | BZT52C24S-TP   | BZX84B33-TP   |
| B5817WS-TP                | BAV23A-TP      | BZT52B3V0JS-TP      | BZT52C27-TP    | BZX84B36-TP   |
| B5818LWS-TP               | BAV23C-TP      | BZT52B3V3-TP        | BZT52C27S-TP   | BZX84B39-TP   |
| B5818W-TP                 | BAV23S-TP      | BZT52B3V3BS-TP      | BZT52C2V4-TP   | BZX84B43-TP   |
| B5818WS-TP                | BAV3004W-TP    | BZT52B3V3JS-TP      | BZT52C2V4S-TP  | BZX84B4V3-TP  |
| B5819W-TP                 | BAV3004WS-TP   | BZT52B3V6-TP        | BZT52C2V7-TP   | BZX84B4V7-TP  |
| B5819WS-TP                | BAV316-TP      | BZT52B3V9-TP        | BZT52C2V7S-TP  | BZX84B5V1-TP  |
| BAS116-TP                 | BAV70-TP-HF    | BZT52B3V9JS-TP      | BZT52C30-TP    | BZX84B5V6-TP  |
| BAS16-TP                  | BAV99-13P      | BZT52B43-TP         | BZT52C30S-TP   | BZX84B6V2-TP  |
| BAS16-TP-HF               | BAV99-TP       | BZT52B43BS-TP       | BZT52C33-TP    | BZX84B6V8-TP  |
| BAS16W-TP                 | BAV99-TP-HF    | BZT52B4V3-TP        | BZT52C36-TP    | BZX84B7V5-TP  |
| BAS16WX-TP                | BAW56-TP       | BZT52B4V7-TP        | BZT52C36S-TP   | BZX84C10-TP   |
| BAS20-TP                  | BAW56-TP-B002  | BZT52B51-TP         | BZT52C39-TP    | BZX84C11-TP   |
| BAS21-TP                  | BAW56-TP-HF    | BZT52B5V1BS-TP      | BZT52C3V0-TP   | BZX84C12-TP   |
| BAS21A-TP                 | BSR106WS-TP    | BZT52B5V1JS-TP      | BZT52C3V3-TP   | BZX84C13-TP   |
| BAS21S-TP                 | BZT52B10-TP    | BZT52B5V6-TP        | BZT52C3V3S-TP  | BZX84C15-TP   |
| BAS21WS-TP                | BZT52B10BS-TP  | BZT52B5V6BS-TP      | BZT52C3V6-TP   | BZX84C16-TP   |
| BAS316-13P                | BZT52B10JS-TP  | BZT52B5V6JS-TP      | BZT52C3V9-TP   | BZX84C18-TP   |
| BAS316-TP                 | BZT52B11-TP    | BZT52B62-TP         | BZT52C43-TP    | BZX84C20-TP   |
| BAS40-04-TP               | BZT52B11BS-TP  | BZT52B68-TP         | BZT52C43S-TP   | BZX84C22-TP   |
| BAS40-04-TP-HF            | BZT52B11JS-TP  | BZT52B6V2-TP        | BZT52C4V3-TP   | BZX84C24-TP   |
| BAS40-05-TP               | BZT52B12-TP    | BZT52B6V2BS-TP      | BZT52C4V3S-TP  | BZX84C2V4-TP  |



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## Appendix 1: Table 2

| List of affected products |                 |                   |                 |                   |
|---------------------------|-----------------|-------------------|-----------------|-------------------|
| BZX84C2V7-TP              | MMBZ5238C-TP    | MMSZ5230B-TP      | MMXZ5223B-TP    | SD101CWS-TP       |
| BZX84C30-TP               | MMBZ5239B-TP    | MMSZ5230C-TP      | MMXZ5225B-TP    | SD103AW-TP        |
| BZX84C33-TP               | MMBZ5240B-TP    | MMSZ5231B-TP      | MMXZ5225B-TP-HF | SD103AWS-TP       |
| BZX84C36-TP               | MMBZ5241B-TP    | MMSZ5231C-TP      | MMXZ5226B-TP    | SD103AWS-TPS01    |
| BZX84C39-TP               | MMBZ5242B-TP    | MMSZ5232B-TP      | MMXZ5227B-TP    | SD103BW-TP        |
| BZX84C3V0-TP              | MMBZ5243B-TP    | MMSZ5232C-TP      | MMXZ5230B-TP    | SD103CW-TP        |
| BZX84C3V3-TP              | MMBZ5244B-TP    | MMSZ5233B-TP      | MMXZ5231B-TP    | SD103CWS-TP       |
| BZX84C3V6-TP              | MMBZ5245B-TP    | MMSZ5234B-TP      | MMXZ5232B-TP    | 2SA812-M6-TP      |
| BZX84C3V9-TP              | MMBZ5246B-TP    | MMSZ5235B-TP      | MMXZ5234B-TP    | 2SA812-M6-TP-HF   |
| BZX84C43-TP               | MMBZ5250B-TP    | MMSZ5235C-TP      | MMXZ5234B-TP-HF | 2SC1623-L5-TP     |
| BZX84C4V3-TP              | MMBZ5251B-TP    | MMSZ5236B-TP      | MMXZ5235B-TP    | 2SC1623-L6-TP     |
| BZX84C4V7-TP              | MMBZ5252B-TP    | MMSZ5236C-TP      | MMXZ5239B-TP    | 2SC1623-L6-TP-HF  |
| BZX84C56-TP               | MMBZ5253C-TP    | MMSZ5237B-TP      | MMXZ5240B-TP    | 2SC1623-L7-TP     |
| BZX84C5V1-TP              | MMBZ5254B-TP    | MMSZ5237C-TP      | MMXZ5242B-TP    | 2SC2712-Y-TP      |
| BZX84C5V6-TP              | MMBZ5256B-TP    | MMSZ5238B-13P     | MMXZ5244C-TP    | BC807-16-13P      |
| BZX84C62-TP               | MMBZ5257B-TP    | MMSZ5238B-TP      | MMXZ5245B-TP    | BC807-16-TP       |
| BZX84C6V2-TP              | MMBZ5258B-TP    | MMSZ5239B-TP      | MMXZ5248B-TP    | BC807-25-13P      |
| BZX84C6V8-TP              | MMDL914-TP      | MMSZ5239C-TP      | MMXZ5249C-TP    | BC807-25-TP       |
| BZX84C75-TP               | MMSD914-TP      | MMSZ5240B-TP      | MMXZ5255B-TP    | BC807-40-13P      |
| BZX84C7V5-TP              | MMSZ4679-TP     | MMSZ5240C-TP      | RB500V-40-TP    | BC807-40-TP       |
| BZX84C8V2-TP              | MMSZ4681-TP     | MMSZ5241B-TP      | RB500V-40-TP-HF | BC817-16-TP       |
| BZX84C9V1-TP              | MMSZ4686-TP     | MMSZ5241C-TP      | RB501V-40-TP    | BC817-25-13P      |
| DZ23C15-TP                | MMSZ4687-TP     | MMSZ5242B-TP      | RB551V-30-TP    | BC817-25-TP       |
| DZ23C24-TP                | MMSZ4688-TP     | MMSZ5243B-TP      | RB551V-30-TP-HF | BC817-25-TP-B031  |
| DZ23C27-TP                | MMSZ4692-TP     | MMSZ5243C-TP      | RB751V-40-TP    | BC817-40-13P      |
| DZ23C6V8-TP               | MMSZ4693-TP     | MMSZ5244C-TP      | RB751V-40-TP-HF | BC817-40-TP       |
| DZ23C9V1-TP               | MMSZ4695-TP     | MMSZ5245B-TP      | SD101AW-TP      | BC817K-25-TP      |
| MBR0520-TP                | MMSZ4698-TP     | MMSZ5245B-TP-B002 | SD101AWS-TP     | BC817K-40-TP      |
| MBR0520L-TP               | MMSZ4699-TP     | MMSZ5245B-TP-HF   | SD101BW-TP      | BC846A-TP         |
| MBR0530-TP                | MMSZ4700-TP     | MMSZ5245C-TP      | SD101BWS-TP     | BC846B-13P        |
| MBR0530L-TP               | MMSZ4702-TP     | MMSZ5246B-TP      | SD101CW-TP      | BC846B-TP         |
| MBR0540-TP                | MMSZ4703-TP     | MMSZ5246C-TP      | SD101CWS-TP     | BC847A-TP         |
| MBR0540L-TP               | MMSZ4705-TP     | MMSZ5248B-TP      | SD103AW-TP      | BC847A-TP-HF      |
| MBRX120LF-TP              | MMSZ4707-TP     | MMSZ5250B-TP      | SD103AWS-TP     | BC847B-13P        |
| MMBD1501-TP               | MMSZ4709-TP     | MMSZ5251B-TP      | SD103AWS-TPS01  | BC847B-TP         |
| MMBD1503-TP               | MMSZ4710-TP     | MMSZ5252B-TP      | SD103BW-TP      | BC847B-TP-B031    |
| MMBD1504-TP               | MMSZ4711-TP     | MMSZ5254B-TP      | SD103CW-TP      | BC847B-TP-HF-B002 |
| MMBD1505-TP               | MMSZ4712-TP     | MMSZ5254C-TP      | SD103CWS-TP     | BC847C-13P        |
| MMBD2004S-TP              | MMSZ4713-TP     | MMSZ5255B-TP      | RB500V-40-TP    | BC847C-TP         |
| MMBD4148-TP               | MMSZ4714-TP     | MMSZ5255C-TP      | RB500V-40-TP-HF | BC847C-TP-HF-B002 |
| MMBD914-TP                | MMSZ4715-TP     | MMSZ5256B-TP      | RB501V-40-TP    | BC848A-TP         |
| MMBZ5225B-TP              | MMSZ4716-TP     | MMSZ5257B-TP      | RB551V-30-TP    | BC848B-TP         |
| MMBZ5227B-TP              | MMSZ5221B-TP    | MMSZ5258B-TP      | RB551V-30-TP-HF | BC848C-TP         |
| MMBZ5228B-TP              | MMSZ5223B-TP    | MMSZ5259B-TP      | RB751V-40-TP    | BC849B-TP         |
| MMBZ5231B-TP              | MMSZ5225B-TP    | MMSZ5260B-TP      | RB751V-40-TP-HF | BC849C-TP         |
| MMBZ5232B-TP              | MMSZ5226B-TP    | MMSZ5261B-TP      | SD101AW-TP      | BC856A-TP         |
| MMBZ5234B-TP              | MMSZ5227B-TP    | MMSZ5262B-TP      | SD101AWS-TP     | BC856B-TP         |
| MMBZ5235B-TP              | MMSZ5228B-TP    | MMSZ5263B-TP      | SD101BW-TP      | BC857A-TP         |
| MMBZ5237B-TP              | MMSZ5228B-TP-HF | MMSZ5265B-TP      | SD101BWS-TP     | BC857B-13P        |
| MMBZ5238B-TP              | MMSZ5229B-TP    | MMSZ5267B-TP      | SD101CW-TP      | BC857B-TP         |



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| List of affected products |                     |                 |                |                     |
|---------------------------|---------------------|-----------------|----------------|---------------------|
| BC857C-13P                | MMBT5551-13P        | SI0301-TP       | SI240N03UK-TP  | AZ23C6V8-TP         |
| BC857C-TP                 | MMBT5551-TP         | SI037N03U-TP    | SI3099-TP      | AZ23C7V5-TP         |
| BC858A-TP                 | MMBT5551-TP-HF-B002 | SI03N06-TP      | SI3134KS-TP    | AZ23C8V2-TP         |
| BC858B-TP                 | MMBTA05-TP          | SI080P04L-13P   | SI3136K-TP     | B05100WS-TP         |
| BC858C-TP                 | MMBTA06-TP          | SI080P04L-TP    | SI3139KS-TP    | B0560WS-TP          |
| BCW66G-TP                 | MMBTA06-TP-B031     | SI085P03LK-TP   | SI3400-TP      | B5817WS-13P         |
| BCW66H-TP                 | MMBTA06-TP-HF       | SI095P03L-TP    | SI3400B-TP     | B5818WS-13P         |
| BCW68G-TP                 | MMBTA42-TP          | SI2300-13P      | SI3400K-TP     | B5819WS-13P         |
| BCW68H-TP                 | MMBTA44-TP          | SI2300-TP       | SI3401-TP      | BAR43A-TP           |
| BCX70J-TP                 | MMBTA55-TP          | SI2301-TP       | SI3401A-13P    | BAS116-13P          |
| DTA113ZCA-TP              | MMBTA56-TP          | SI2301-TP-HF    | SI3401A-TP     | BAS16-13P           |
| DTA114YCA-TP              | MMBTA92-13P         | SI2301A-13P     | SI3402-TP      | BAS16WXH-TP         |
| DTA123JCA-TP              | MMBTA92-TP          | SI2301A-TP      | SI3404-TP      | BAS21-13P           |
| DTA123YCA-TP              | MMS8050-H-TP        | SI2301A-TP-B014 | SI3407-13P     | BAS21C-TP           |
| DTA124ECA-TP              | MMS8050-L-TP        | SI2301N-TP      | SI3407-TP      | BAS40-04-TP-HF-B002 |
| DTA143ECA-TP              | MMS9012-H-TP        | SI2302-TP       | SI3407-TPCA01  | BAS40WX-TP          |
| DTC114ECA-TP              | MMS9013-H-TP        | SI2302A-13P     | SI3415C-TP     | BAS416-TP           |
| DTC114ECA-TPCA01          | MMS9014-H-TP        | SI2302A-TP      | SI3415D-TP     | BAT42W-TP           |
| DTC114YCA-TP              | MMS9014-L-TP        | SI2302AK-TP     | SI3415U-TP     | BAT46W-13P          |
| DTC123ECA-TP              | MMS9015-H-TP        | SI2302B-TP      | SI3420A-13P    | BAT46WS-TP-B002     |
| DTC124ECA-TP              | MMS9015-L-TP        | SI2303-TP       | SI3420A-TP     | BAT46W-TP-B002      |
| DTC143XCA-TP              | MS8050-L-TP         | SI2303K-TP      | SI3420A-TP-HF  | BAT54-13P           |
| FMMT4230-TP               | 2N7002-13P          | SI2304-13P      | SI500N025UK-TP | BAT54AH-TP          |
| FMMT4240-TP               | 2N7002-TP           | SI2304-TP       | SI5618-13P     | BAT54CH-TP          |
| FMMT491B-TP               | 2N7002-TP-HF        | SI2304D-TP      | SI5618-TP      | BAT54H-TP           |
| FMMT5130-TP               | 2N7002-TPS01        | SI2304S-TP      | SI8810-TP      | BAT54SH-TP          |
| FMMT5240-TP               | 2N7002A-TP          | SI2305-TP       | 1N4148W-TPS01  | BAT54WS-13P         |
| FMMT591B-TP               | 2N7002B-TP          | SI2305B-13P     | 1N4148WX-13P   | BAT54WS-TP-HF-B002  |
| MMBT1815-H-TP             | 2N7002C-TP          | SI2305B-TP      | 1N4148WX-TPS01 | BAT64-06-TP         |
| MMBT2222A-13P             | 2N7002K-TP          | SI2306-TP       | 1SS181-TP      | BAT720-TP           |
| MMBT2222A-TP              | 2N7002K-TP-HF       | SI2306K-TP      | 1SS226-TP      | BAV116W-TP          |
| MMBT2222A-TP-B031         | 2N7002KA-TP         | SI2306KA-TP     | 1SS355-13P     | BAV199-TP           |
| MMBT2222A-TP-HF           | 2N7002KS-TP         | SI2307-TP       | 1SS355-TP-B002 | BAV74-TP            |
| MMBT2907A-13P             | 2N7002KS-TP-B002    | SI2307K-TP      | AZ23C10-TP     | BAV99-TP-B002       |
| MMBT2907A-TP              | BSS123-13P          | SI2310-TP       | AZ23C11-TP     | BAW56-13P           |
| MMBT2907A-TP-HF           | BSS123-TP           | SI2310A-TP      | AZ23C12-TP     | BSR106WS-13P        |
| MMBT3820-TP               | BSS123K-TP          | SI2310B-TP      | AZ23C13-TP     | BZT52B12JS-TP       |
| MMBT3904-13P              | BSS138-13P          | SI2310K-TP      | AZ23C16-TP     | BZT52B13BS-TP       |
| MMBT3904-TP               | BSS138-TP           | SI2312-TP       | AZ23C22-TP     | BZT52B13JS-TPS01    |
| MMBT3904-TP-HF            | BSS138A-TP          | SI2312A-TP      | AZ23C27-TP     | BZT52B15JS-TP       |
| MMBT3904-TP-L01           | BSS138B-TP          | SI2312B-TP      | AZ23C2V7-TP    | BZT52B16-TP         |
| MMBT3906-TP               | BSS138BK-TP         | SI2318A-TP      | AZ23C30-TP     | BZT52B18-TP         |
| MMBT3906-TP-HF            | BSS138KS-TP         | SI2321-13P      | AZ23C39-TP     | BZT52B22BS-TP       |
| MMBT4401-TP               | BSS84A-13P          | SI2321-TP       | AZ23C3V0-TP    | BZT52B22JS-TP       |
| MMBT4401-TP-B031          | BSS84A-TP           | SI2321K-TP      | AZ23C3V3-TP    | BZT52B24JS-TP       |
| MMBT4403-TP               | BSS84A-TP-B002      | SI2324A-TP      | AZ23C43-TP     | BZT52B27BS-13P      |
| MMBT4403-TP-B014          | BSS84AK-TP          | SI2324A-TP-HF   | AZ23C47-TP     | BZT52B27JS-TP       |
| MMBT4403-TP-B031          | BSS84K-TP           | SI2333-TP       | AZ23C4V7-TP    | BZT52B2V7-TP        |
| MMBT5401-TP               | SI01N03K-TP         | SI2333A-TP      | AZ23C51-TP     | BZT52B30BS-TP       |
| MMBT5550-TP               | SI01P02K-TP         | SI2392-TP       | AZ23C5V6L-TP   | BZT52B36BS-TP       |



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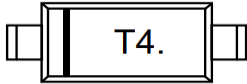
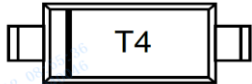
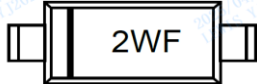
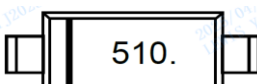
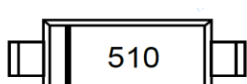
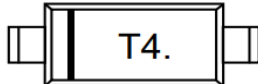
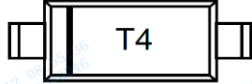
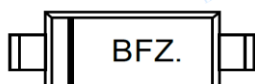
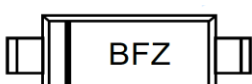
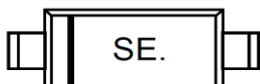
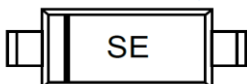
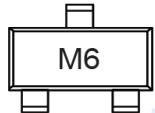
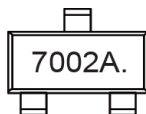
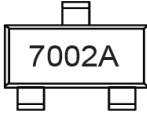
## Appendix 1: Table 2

| List of affected products |                |                |                   |                  |
|---------------------------|----------------|----------------|-------------------|------------------|
| BZT52B36JS-TP             | BZT52C6V8S-TP  | MMBD4148CC-TP  | MMSZ4678-TP       | MMSZ5261C-TP     |
| BZT52B39BS-TP             | BZT52C75S-TP   | MMBD4148SE-13P | MMSZ4680-TP       | MMXZ5228B-TP     |
| BZT52B3V0-TP              | BZT52C9V1S-TP  | MMBD4148SE-TP  | MMSZ4682-TP       | MMXZ5229B-TP     |
| BZT52B3V6BS-TP            | BZX84B22-TP    | MMBD4448-TP    | MMSZ4683-13P      | MMXZ5232C-TP     |
| BZT52B3V6JS-TP            | BZX84B2V4-TP   | MMBD7000-TP    | MMSZ4683-TP       | MMXZ5236B-TP     |
| BZT52B3V9BS-TP            | BZX84B2V7-TP   | MMBZ5221B-TP   | MMSZ4684-13P      | MMXZ5237B-TP     |
| BZT52B43JS-TP             | BZX84B3V0-TP   | MMBZ5222B-TP   | MMSZ4684-TP       | MMXZ5237C-TP     |
| BZT52B47BS-TP             | BZX84B3V3-TP   | MMBZ5223B-TP   | MMSZ4685-TP       | MMXZ5238C-TP     |
| BZT52B47JS-TP             | BZX84B3V6-TP   | MMBZ5226B-TP   | MMSZ4685-TP-B002  | MMXZ5239C-TP     |
| BZT52B47-TP               | BZX84B3V9-TP   | MMBZ5229B-TP   | MMSZ4687-13P      | MMXZ5241B-TP     |
| BZT52B4V3BS-TP            | BZX84B47-TP    | MMBZ5229C-TP   | MMSZ4688-13P      | MMXZ5243B-TP     |
| BZT52B4V3JS-TP            | BZX84B51-TP    | MMBZ5230B-TP   | MMSZ4689-TP       | MMXZ5246B-TP     |
| BZT52B4V7BS-TP            | BZX84B56-TP    | MMBZ5230C-TP   | MMSZ4690-TP       | MMXZ5246C-TP     |
| BZT52B4V7JS-TP            | BZX84B62-TP    | MMBZ5231C-TP   | MMSZ4691-TP       | MMXZ5247C-TP     |
| BZT52B51BS-TP             | BZX84B8V2-TP   | MMBZ5232C-TP   | MMSZ4694-TP       | MMXZ5248C-TP     |
| BZT52B51JS-TP             | BZX84B9V1-TP   | MMBZ5233B-TP   | MMSZ4696-13P      | MMXZ5250B-TP     |
| BZT52B56JS-TP             | BZX84C27-TP    | MMBZ5233C-TP   | MMSZ4696-TP       | MMXZ5251B-TP     |
| BZT52B56-TP               | BZX84C47-TP    | MMBZ5234C-TP   | MMSZ4697-TP       | MMXZ5252B-TP     |
| BZT52B5V1-TP              | BZX84C51-TP    | MMBZ5235C-TP   | MMSZ4698-13P      | MMXZ5254B-TP     |
| BZT52B5V6JS-TPS01-HF      | BZX84C68-TP    | MMBZ5236B-TP   | MMSZ4699-13P      | MMXZ5256B-TP     |
| BZT52B62JS-TP             | DAN202-TP      | MMBZ5236C-TP   | MMSZ4701-TP       | MMXZ5257B-TP     |
| BZT52B68JS-TP             | DAN217-TP      | MMBZ5237C-TP   | MMSZ4701-TP-B002  | MMXZ5258B-TP     |
| BZT52B75-TP               | DAP202-TP      | MMBZ5239C-TP   | MMSZ4704-13P      | MMXZ5259B-TP     |
| BZT52B7V5BS-TP            | DZ23C10-TP     | MMBZ5240C-TP   | MMSZ4704-TP       | MMXZ5262C-TP     |
| BZT52B7V5JS-TP            | DZ23C11-TP     | MMBZ5241C-TP   | MMSZ4706-TP       | RB495DS-TP       |
| BZT52B8V2BS-TP            | DZ23C12-TP     | MMBZ5242C-TP   | MMSZ4708-TP       | RB551V-30S-TP    |
| BZT52B8V2-TP-HF-B002      | DZ23C18-TP     | MMBZ5243C-TP   | MMSZ5222B-TP      | RB551V-40-TP     |
| BZT52C11S-TP              | DZ23C20-TP     | MMBZ5244C-TP   | MMSZ5229C-TP      | SD103AWS-TP-B002 |
| BZT52C16S-TP              | DZ23C28-TP     | MMBZ5245C-TP   | MMSZ5231B-13P     | SD103BWS-TP      |
| BZT52C22-13P              | DZ23C30-TP     | MMBZ5246C-TP   | MMSZ5233C-TP      | SD107WS-TP       |
| BZT52C22S-TPS01           | DZ23C33-TP     | MMBZ5247C-TP   | MMSZ5234C-TP      | 1N4148W-TP-B031  |
| BZT52C2V0S-TP             | DZ23C36-TP     | MMBZ5248B-TP   | MMSZ5237B-13P     | BAV99-TP-B031    |
| BZT52C2V0-TP              | DZ23C3V3-TP    | MMBZ5248C-TP   | MMSZ5238C-TP      | BZT52B13-TPS01   |
| BZT52C30-TP-B014          | DZ23C3V6-TP    | MMBZ5249C-TP   | MMSZ5242C-TP      | BZT52B16-TPS01   |
| BZT52C33S-TP              | DZ23C3V9-TP    | MMBZ5250C-TP   | MMSZ5244B-TP      | BZT52B22-TPS01   |
| BZT52C39S-TP              | DZ23C5V1-TP    | MMBZ5251C-TP   | MMSZ5245C-TP-B002 | BZT52B30-TPS01   |
| BZT52C3V0S-TP             | DZ23C6V2-TP    | MMBZ5252C-TP   | MMSZ5246B-TP-B002 | BZT52B5V1-TPS02  |
| BZT52C3V6S-TP             | DZ23C75-TP     | MMBZ5254C-TP   | MMSZ5248C-TP      | BZT52B8V2-TPS01  |
| BZT52C3V9S-TP             | DZ23C7V5-TP    | MMBZ5255B-TP   | MMSZ5250C-TP      | BZT52C47-TP-A001 |
| BZT52C47S-TP              | MBR0540-TP-HF  | MMBZ5255C-TP   | MMSZ5251B-TP-B002 |                  |
| BZT52C47-TP               | MBR0560-TP     | MMBZ5256C-TP   | MMSZ5251C-TP      |                  |
| BZT52C4V7S-TPS01          | MBR0560-TPS01  | MMBZ5257C-TP   | MMSZ5252C-TP      |                  |
| BZT52C4V7-TPS02           | MBR0580-TP     | MMBZ5258C-TP   | MMSZ5254B-13P     |                  |
| BZT52C51S-TP              | MBR160S-TP     | MMBZ5259B-TP   | MMSZ5254B-TP-B002 |                  |
| BZT52C51-TP               | MBRX0520L-TP   | MMBZ5259C-TP   | MMSZ5256C-TP      |                  |
| BZT52C56-TP               | MMBD3004S-TP   | MMBZ5260C-TP   | MMSZ5257B-TP-B002 |                  |
| BZT52C5V6SL-TP            | MMBD301-TP     | MMBZ5261C-TP   | MMSZ5257C-TP      |                  |
| BZT52C62S-TP              | MMBD4148CA-13P | MMBZ5262C-TP   | MMSZ5258C-TP      |                  |
| BZT52C68S-TP              | MMBD4148CA-TP  | MMSD914-13P    | MMSZ5259C-TP      |                  |
| BZT52C68-TP               | MMBD4148CC-13P | MMSD914-TP-HF  | MMSZ5260C-TP      |                  |



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Appendix 1: Table 3

| Package | Category                         | Representative Part Number | Current                                                                              | New                                                                                   |
|---------|----------------------------------|----------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SOD-123 | Switching Diodes                 | 1N4148W-TP                 |    |    |
|         | Zener Diodes                     | BZT52B10-TP                |    |    |
|         | Small Signal Schottky Diodes     | B05100W-TP                 |   |   |
| SOD-323 | Switching Diodes                 | 1N4148WX-TP                |  |  |
|         | Zener Diodes                     | BZT52B10BS-TP              |  |  |
|         | Small Signal Schottky Diodes     | B0530WS-TP                 |  |  |
| SOT-23  | Small Signal Schottky Diodes     | BAS40-04-TP                |  |  |
|         | Small Signal Bipolar Transistors | 2SA812-M6-TP               |  |  |
|         | Small Signal MOSFETS             | 2N7002A-TP                 |  |  |



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Appendix 1: Table 3

| Package | Category             | Part Number   | Current | New |
|---------|----------------------|---------------|---------|-----|
| SOT-23  | Small Signal MOSFETS | BSS138-13P    |         |     |
|         |                      | BSS138-TP     |         |     |
|         |                      | BSS138A-TP    |         |     |
|         |                      | 2N7002K-TP    |         |     |
|         |                      | 2N7002K-TP-HF |         |     |
|         |                      | 2N7002KA-TP   |         |     |

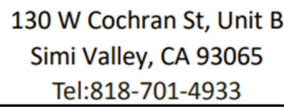


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## Appendix 2: 2nd source of Chip

Table1

| Product type    | Package type | Product type  | Package type | Product type      | Package type |
|-----------------|--------------|---------------|--------------|-------------------|--------------|
| BZT52B10-TP     | SOD-123      | MMSZ5257B-TP  | SOD-123      | BZX84C30-TP       | SOT-23       |
| BZT52B12-TP     | SOD-123      | MMSZ5258B-TP  | SOD-123      | BZX84C33-TP       | SOT-23       |
| BZT52B15-TP     | SOD-123      | MMSZ5259B-TP  | SOD-123      | BZX84C36-TP       | SOT-23       |
| BZT52B24-TP     | SOD-123      | BZT52B10BS-TP | SOD-323      | BZX84C39-TP       | SOT-23       |
| BZT52B30-TP     | SOD-123      | BZT52B11BS-TP | SOD-323      | MMBZ5241B-TP      | SOT-23       |
| BZT52B33-TP     | SOD-123      | BZT52B11JS-TP | SOD-323      | MMBZ5242B-TP      | SOT-23       |
| BZT52B36-TP     | SOD-123      | BZT52B12BS-TP | SOD-323      | MMBZ5245B-TP      | SOT-23       |
| BZT52C10-TP     | SOD-123      | BZT52B15BS-TP | SOD-323      | MMBZ5250B-TP      | SOT-23       |
| BZT52C11-TP     | SOD-123      | BZT52B16BS-TP | SOD-323      | BZT52B13-TPS01    | SOD-123      |
| BZT52C12-TP     | SOD-123      | BZT52B16JS-TP | SOD-323      | BZT52B16-TPS01    | SOD-123      |
| BZT52C13-TP     | SOD-123      | BZT52B18BS-TP | SOD-323      | BZT52B22-TPS01    | SOD-123      |
| BZT52C15-TP     | SOD-123      | BZT52B18JS-TP | SOD-323      | BZT52B30-TPS01    | SOD-123      |
| BZT52C16-TP     | SOD-123      | BZT52B20BS-TP | SOD-323      | BZT52C22-13P      | SOD-123      |
| BZT52C18-TP     | SOD-123      | BZT52B24BS-TP | SOD-323      | BZT52C30-TP-B014  | SOD-123      |
| BZT52C20-TP     | SOD-123      | BZT52B27BS-TP | SOD-323      | MMSZ4697-TP       | SOD-123      |
| BZT52C22-TP     | SOD-123      | BZT52B33BS-TP | SOD-323      | MMSZ4698-13P      | SOD-123      |
| BZT52C24-TP     | SOD-123      | BZT52B33JS-TP | SOD-323      | MMSZ4699-13P      | SOD-123      |
| BZT52C27-TP     | SOD-123      | BZT52C10S-TP  | SOD-323      | MMSZ4701-TP       | SOD-123      |
| BZT52C33-TP     | SOD-123      | BZT52C12S-TP  | SOD-323      | MMSZ4701-TP-B002  | SOD-123      |
| BZT52C36-TP     | SOD-123      | BZT52C13S-TP  | SOD-323      | MMSZ4704-13P      | SOD-123      |
| BZT52C39-TP     | SOD-123      | BZT52C15S-TP  | SOD-323      | MMSZ4704-TP       | SOD-123      |
| MMSZ4698-TP     | SOD-123      | BZT52C18S-TP  | SOD-323      | MMSZ4706-TP       | SOD-123      |
| MMSZ4699-TP     | SOD-123      | BZT52C20S-TP  | SOD-323      | MMSZ4708-TP       | SOD-123      |
| MMSZ4700-TP     | SOD-123      | BZT52C22S-TP  | SOD-323      | MMSZ5245C-TP-B002 | SOD-123      |
| MMSZ4702-TP     | SOD-123      | BZT52C24S-TP  | SOD-323      | MMSZ5246B-TP-B002 | SOD-123      |
| MMSZ4703-TP     | SOD-123      | BZT52C27S-TP  | SOD-323      | MMSZ5251B-TP-B002 | SOD-123      |
| MMSZ4705-TP     | SOD-123      | BZT52C30S-TP  | SOD-323      | MMSZ5251C-TP      | SOD-123      |
| MMSZ4707-TP     | SOD-123      | BZT52C36S-TP  | SOD-323      | MMSZ5254B-13P     | SOD-123      |
| MMSZ4709-TP     | SOD-123      | MMXZ5248B-TP  | SOD-323      | MMSZ5254B-TP-B002 | SOD-123      |
| MMSZ4710-TP     | SOD-123      | AZ23C15-TP    | SOT-23       | MMSZ5256C-TP      | SOD-123      |
| MMSZ4711-TP     | SOD-123      | AZ23C20-TP    | SOT-23       | MMSZ5257B-TP-B002 | SOD-123      |
| MMSZ4712-TP     | SOD-123      | AZ23C33-TP    | SOT-23       | MMSZ5258C-TP      | SOD-123      |
| MMSZ4713-TP     | SOD-123      | AZ23C36-TP    | SOT-23       | BZT52B12JS-TP     | SOD-323      |
| MMSZ4714-TP     | SOD-123      | BZX84B12-TP   | SOT-23       | BZT52B13BS-TP     | SOD-323      |
| MMSZ4715-TP     | SOD-123      | BZX84B15-TP   | SOT-23       | BZT52B13JS-TPS01  | SOD-323      |
| MMSZ4716-TP     | SOD-123      | BZX84B20-TP   | SOT-23       | BZT52B15JS-TP     | SOD-323      |
| MMSZ5241B-TP    | SOD-123      | BZX84B24-TP   | SOT-23       | BZT52B22BS-TP     | SOD-323      |
| MMSZ5242B-TP    | SOD-123      | BZX84B27-TP   | SOT-23       | BZT52B22JS-TP     | SOD-323      |
| MMSZ5243B-TP    | SOD-123      | BZX84B33-TP   | SOT-23       | BZT52B24JS-TP     | SOD-323      |
| MMSZ5245B-TP    | SOD-123      | BZX84B39-TP   | SOT-23       | BZT52B27BS-13P    | SOD-323      |
| MMSZ5245B-TP-HF | SOD-123      | BZX84C10-TP   | SOT-23       | BZT52B27JS-TP     | SOD-323      |
| MMSZ5245C-TP    | SOD-123      | BZX84C11-TP   | SOT-23       | BZT52B30BS-TP     | SOD-323      |
| MMSZ5246B-TP    | SOD-123      | BZX84C12-TP   | SOT-23       | BZT52B36BS-TP     | SOD-323      |
| MMSZ5248B-TP    | SOD-123      | BZX84C13-TP   | SOT-23       | BZT52B36JS-TP     | SOD-323      |
| MMSZ5250B-TP    | SOD-123      | BZX84C15-TP   | SOT-23       | BZT52B39BS-TP     | SOD-323      |
| MMSZ5251B-TP    | SOD-123      | BZX84C16-TP   | SOT-23       | BZT52C11S-TP      | SOD-323      |
| MMSZ5252B-TP    | SOD-123      | BZX84C18-TP   | SOT-23       | BZT52C16S-TP      | SOD-323      |
| MMSZ5254B-TP    | SOD-123      | BZX84C20-TP   | SOT-23       | BZT52C22S-TPS01   | SOD-323      |
| MMSZ5254C-TP    | SOD-123      | BZX84C22-TP   | SOT-23       | BZT52C33S-TP      | SOD-323      |
| MMSZ5256B-TP    | SOD-123      | BZX84C24-TP   | SOT-23       | BZT52C39S-TP      | SOD-323      |

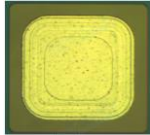
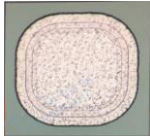
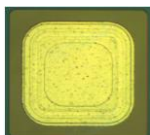
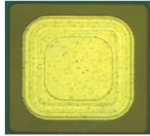
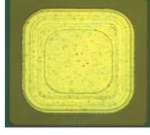


## Table1

Note:

(2)MCC will lock it through the ordering suffix xxxx-TPW if the customer specifies the use of the second wafer resource.

Table2: Chip Comparison

| Product type  | Package type | Old source                                                                          | New source                                                                            |
|---------------|--------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| BZT52B10-TP   | SOD-123      |    |    |
| MMSZ4698-TP   | SOD-123      |    |    |
| MMSZ5241B-TP  | SOD-123      |    |    |
| BZT52B10BS-TP | SOD-323      |  |  |
| BZT52B11JS-TP | SOD-323      |  |  |
| BZT52C10S-TP  | SOD-323      |  |  |
| MMXZ5248B-TP  | SOD-323      |  |  |
| AZ23C15-TP    | SOT-23       |  |  |
| BZX84B12-TP   | SOT-23       |  |  |
| MMBZ5241B-TP  | SOT-23       |  |  |



130 W Cochran St, Unit B  
Simi Valley, CA 93065  
Tel:818-701-4933

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FPCN #: 041825-1

FPCN Title: Additional assembly & test center

Dear Customer :

Micro Commercial Components Corp (MCC) is pleased to announce that the product changes outlined in this FPCN have been successfully qualified. All affected products have passed the necessary qualification processes, and qualification reports are available upon request. Mass production samples have also been prepared and are available for evaluation. We are now ready to support mass production orders for these updated products effective immediately. If you have any questions about FPCN's products, please contact your local sales representative.

Thank you.

Yours sincerely,

PCN Team