



**PRODUCT CHANGE NOTICE**

**PCN-2495 REV 1**

| <b>Notification Date:</b>   | <b>Implementation Date:</b>   | <b>Product Family:</b>  | <b>Change Type:</b>   | <b>PCN #:</b> |
|---|---|-------------------------|---|---------------|
| 31 <sup>st</sup> March, 2021  | 1 <sup>st</sup> July, 2021  | Discrete Semiconductors | Additional Assembly & Test Site / Additional Back Grinding and Back Metal Process Source / Part Marking | <b>2495</b>   |
| <b>TITLE</b>  |   |                         |   |               |
| Qualification of Additional Assembly & Test Sites and Additional Wafer Back Grinding and Back Metal Process Source for Select Discrete Products   |   |                         |   |               |
| <b>DESCRIPTION OF CHANGE</b>  |   |                         |   |               |
| This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes has qualified internal "Diodes Technology (Cheng Du) Company Limited" (CAT) located in Chengdu, China as an additional Assembly and Test (A/T) site using PdCu, Cu or Au bond wire as well as an additional wafer back grinding and back metal process facility for select products listed in this PCN.   |   |                         |   |               |
| Diodes Incorporated has also qualified "Shandong DIYI Electronic Science and Technology Co., LTD." (DIYI) in Shandong, China as an additional Assembly and Test site for products listed in table 4.  |   |                         |   |               |
| Full electrical characterization and high reliability testing has been completed on representative part numbers to ensure no change to device functionality or electrical specifications in the datasheet. Refer to the attached qualification report embedded in this file (to view, download this PCN file then open it with a PDF viewer to see the attached qual report).   |   |                         |   |               |
| <b>IMPACT</b>   |   |                         |   |               |
| Continuity of Supply. There will be no change to the Form, Fit or Function of products affected, unless specifically indicated, i.e. some packages will have marking, visual or package outline dimensions (POD) changes as outlined in the tables below. No change in datasheet parameters and product performance.  |   |                         |   |               |
| <b>PRODUCTS AFFECTED</b>  |   |                         |   |               |
| Please see the attached part lists in Table 1 to Table 4 below:<br>Table 1 – Affected part list to add CAT as A/T site using PdCu, Cu or Au bond wire<br>Table 2 – Affected part list to add CAT as additional wafer back grinding and back metal process facility<br>Table 3 – Affected part list to add CAT as A/T site using PdCu bond wire, and add CAT as additional wafer back grinding and back metal process facility<br>Table 4 – Affected part list to add Shandong DIYI Electronic Science and Technology Co., LTD (DIYI) as A/T site<br>Table 5 – Visual change for DFN0603 Package<br>Table 6 – Part marking format change for affected packages<br>Table 7 – Package outline dimensions (POD) change for PowerDI5060-8L |   |                         |   |               |
| <b>WEB LINKS</b>  |   |                         |   |               |
| <b>Manufacturer's Notice:</b>   | <a href="https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/">https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/</a> |                         |   |               |
| <b>For More Information Contact:</b>  | <a href="http://www.diodes.com/contacts">http://www.diodes.com/contacts</a>   |                         |   |               |
| <b>Data Sheet:</b>  | <a href="http://www.diodes.com/products">http://www.diodes.com/products</a>   |                         |   |               |
| <b>DISCLAIMER</b>   |   |                         |   |               |
| <b>Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.</b>  |   |                         |   |               |

**Table 1 - Affected Part List to add CAT as A/T site using PdCu, Cu or Au bond wire**

|                           |                              |                             |                             |                            |                            |
|---------------------------|------------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|
| 2DD2652-7 <sup>1</sup>    | BSS127SSN-7 <sup>1</sup>     | D58V0M4U8MR-13              | DDTA115GUA-7-F <sup>1</sup> | DDTD114GC-7-F <sup>1</sup> | DMC2710UV-7                |
| 2DD2656-7 <sup>1</sup>    | BSS84V-7 <sup>2</sup>        | D5V0F2U6LP-7 <sup>1</sup>   | DDTA115TUA-7-F <sup>1</sup> | DDTD114TU-7-F <sup>1</sup> | DMC3028LSD-13              |
| 2N7002VAC-7 <sup>2</sup>  | BZX84C8V2TS-7-F <sup>1</sup> | D5V0F3B6LP20-7              | DDTA123ECA-7-F <sup>1</sup> | DDTD123EC-7-F <sup>1</sup> | DMC3071LVT-13              |
| 2N7002VC-7 <sup>2</sup>   | D10V0S1U2LP-7B               | D5V0F4U10MR-13 <sup>1</sup> | DDTA123JCA-7-F <sup>1</sup> | DDTD123TC-7-F <sup>1</sup> | DMC3071LVT-7               |
| AZ23C18W-7-F <sup>1</sup> | D12V0H1U2WS-7 <sup>1</sup>   | D5V0F4U6S-7 <sup>1</sup>    | DDTA123JUA-7-F <sup>1</sup> | DDTD123YC-7-F <sup>1</sup> | DMC3400SDW-13 <sup>1</sup> |
| BAS40V-7 <sup>2</sup>     | D12V0HA1U2LP-7B              | D5V0FS4U10LP-7              | DDTA123TCA-7-F <sup>1</sup> | DDTD142JC-7-F <sup>1</sup> | DMC3400SDW-7 <sup>1</sup>  |
| BAT54V-7 <sup>2</sup>     | D12V0M1U2LP3-7               | D5V0L1B2LPS-7B <sup>1</sup> | DDTA123YCA-7-F <sup>1</sup> | DDTD142JU-7-F <sup>1</sup> | DMC3730UVT-7 <sup>1</sup>  |
| BAT54WT-7 <sup>2</sup>    | D12V0S1U2LP1610-7            | D5V0L1B2WS-7 <sup>1</sup>   | DDTA123YUA-7-F <sup>1</sup> | DDZ9696T-7 <sup>2</sup>    | DMC4028SSD-13              |
| BAT64C-7-F                | D12V0X1B2LP-7B               | D5V0L2B3SO-7 <sup>1</sup>   | DDTB113ZC-7-F <sup>1</sup>  | DDZ9712T-7 <sup>2</sup>    | DMG1016V-7 <sup>2</sup>    |
| BAT64S-7-F                | D14V0H1U2WS-7 <sup>1</sup>   | D5V0L2B3W-7 <sup>1</sup>    | DDTB114EC-7-F <sup>1</sup>  | DDZ9713T-7 <sup>2</sup>    | DMG1023UV-13 <sup>2</sup>  |
| BAT64SW-7-F               | D14V0S1U2WS-7 <sup>1</sup>   | D5V0L4B5S-7 <sup>1</sup>    | DDTB123YC-7-F <sup>1</sup>  | DDZ9716T-7 <sup>2</sup>    | DMG1023UV-7 <sup>2</sup>   |
| BAT64W-7-F                | D15V0H1U2LP16-7              | D5V0M5B6LP16-7              | DDTB143EU-7-F <sup>1</sup>  | DESD18VS1BLP3-7            | DMG1024UV-7 <sup>2</sup>   |
| BC53-16PA-7 <sup>1</sup>  | D15V0H1U2LP-7B               | D5V0S1B2LP-7B               | DDTC113TCA-7-F <sup>1</sup> | DESD1P0RFW-7 <sup>1</sup>  | DMG1026UV-7 <sup>2</sup>   |
| BC56-16PA-7 <sup>1</sup>  | D15V0HA1U2LP-7B              | D5V0S1U2LP-7B               | DDTC113TUA-7-F <sup>1</sup> | DESD24VF1BLP3-7            | DMG1029SV-7 <sup>2</sup>   |
| BC807-25-7-F <sup>1</sup> | D15V0M1B2LP-7B               | D5V0S1U2WS-7 <sup>1</sup>   | DDTC113ZCA-7-F <sup>1</sup> | DESD24VS2SO-7 <sup>1</sup> | DMG6302UDW-7 <sup>1</sup>  |
| BC847A-7-F <sup>1</sup>   | D15V0X1B2LP-7B               | D5V0S1UN2LP1610-7           | DDTC113ZUA-7-F <sup>1</sup> | DESD32VS2SO-7 <sup>1</sup> | DML1008LDS-13 <sup>2</sup> |
| BC847BVC-7 <sup>1</sup>   | D18V0S1U3LP20-7              | D5V0S1US2LP-7B              | DDTC114GCA-7-F <sup>1</sup> | DESD34VS2SO-7              | DML1008LDS-7 <sup>2</sup>  |
| BC847BVN-7 <sup>1</sup>   | D20V0L1B2WS-7 <sup>1</sup>   | D5V0X1BA2LP-7B              | DDTC114GUA-7-F <sup>1</sup> | DESD3512SO-7               | DML1010FDK-7 <sup>2</sup>  |
| BC848A-7-F <sup>1</sup>   | D20V0S1U2LP1610-7            | D6V3E1U2LP-7B               | DDTC115ECA-7-F <sup>1</sup> | DESD3V3E1BL-7B             | DML10M8LDS-13 <sup>2</sup> |
| BC856A-7-F <sup>1</sup>   | D20V0S1U2LP20-7              | D6V3H1U2LP4-7B              | DDTC115EUA-7-F <sup>1</sup> | DESD5V0S1BA-7 <sup>1</sup> | DML10M8LDS-7 <sup>2</sup>  |
| BC857A-7-F <sup>1</sup>   | D20V0S1U3LP20-7              | D6V3S1U2LP-7B               | DDTC115GCA-7-F <sup>1</sup> | DGD2101MS8-13              | DML3006LFDS-7              |
| BC857C-13-F <sup>1</sup>  | D22V0H1U2LP1610-7            | D7V0H1U2LP-7B               | DDTC115GUA-7-F <sup>1</sup> | DMB53D0UV-7 <sup>2</sup>   | DML3009LDC-7               |
| BC857C-7-F <sup>1</sup>   | D22V0S1U2WS-7 <sup>1</sup>   | D7V0S1U2WS-7 <sup>1</sup>   | DDTC115TUA-7-F <sup>1</sup> | DMB54D0UDW-7 <sup>1</sup>  | DMMT5401-7-F <sup>1</sup>  |
| BC858A-7-F <sup>1</sup>   | D22V0S1U3LP20-7              | D7V9S1U2LP-7B               | DDTC123ECA-7-F <sup>1</sup> | DMB54D0UV-7 <sup>2</sup>   | DMMT5551-7-F <sup>1</sup>  |
| BC858B-7-F <sup>1</sup>   | D22V0S1U6LP2018-7            | D8V0H1B2LP-7B               | DDTC123EUA-7-F <sup>1</sup> | DMC1028UVT-7               | DMMT5551S-7-F <sup>1</sup> |
| BC858C-7-F <sup>1</sup>   | D24V0L1B2LPS-7B <sup>1</sup> | D8V0X1B2LP-7B               | DDTC123JCA-7-F <sup>1</sup> | DMC2004DWK-7 <sup>1</sup>  | DMN100-7-F                 |
| BCP5116TC <sup>1</sup>    | D24V0S1U2LP1610-7            | DCP68-13 <sup>1</sup>       | DDTC123JUA-7-F <sup>1</sup> | DMC2004VK-7 <sup>2</sup>   | DMN13H750S-7               |
| BCP5316TC <sup>1</sup>    | D24V0S1U3LP20-7              | DCP69-13 <sup>1</sup>       | DDTC123TCA-7-F <sup>1</sup> | DMC2057UVT-7               | DMN15H310SE-13             |
| BCP5616TC <sup>1</sup>    | D26V0S1U2LP20-7              | DCX114YU-7R-F <sup>1</sup>  | DDTC123TUA-7-F <sup>1</sup> | DMC2400UV-13 <sup>2</sup>  | DMN2004VK-7 <sup>2</sup>   |
| BCR401UW6-7 <sup>1</sup>  | D34V0H1U2LP-7B               | DDC123JK-7-F <sup>1</sup>   | DDTC123YCA-7-F <sup>1</sup> | DMC2400UV-7 <sup>2</sup>   | DMN2004VK-7B <sup>2</sup>  |
| BCR402UW6-7 <sup>1</sup>  | D3V3F4U6S-7 <sup>1</sup>     | DDTA113TCA-7-F <sup>1</sup> | DDTC123YUA-7-F <sup>1</sup> | DMC2400UV-7B <sup>2</sup>  | DMN2016LDH-7               |
| BCR405UW6-7 <sup>1</sup>  | D3V3HN1B2LP-7B               | DDTA113ZCA-7-F <sup>1</sup> | DDTD113EC-7-F <sup>1</sup>  | DMC2450UV-13 <sup>2</sup>  | DMN2024UDH-7 <sup>1</sup>  |
| BCR420UFD-7 <sup>1</sup>  | D3V3L2B3LP10-7               | DDTA113ZUA-7-F <sup>1</sup> | DDTD113ZC-13-F <sup>1</sup> | DMC2450UV-7 <sup>2</sup>   | DMN2026UVT-13              |
| BCR421UFD-7 <sup>1</sup>  | D3V3S1B2LP-7B                | DDTA114GCA-7-F <sup>1</sup> | DDTD113ZC-7-F <sup>1</sup>  | DMC2450UV-7B <sup>2</sup>  | DMN2028UFDH-7              |
| BCR421UW6-7 <sup>1</sup>  | D3V3S1U2LP1610-7             | DDTA115ECA-7-F <sup>1</sup> | DDTD113ZU-7-F <sup>1</sup>  | DMC25D0UVT-7 <sup>1</sup>  | DMN2028UVT-7               |
| BCV46TA <sup>1</sup>      | D55V0M1B2WS-7 <sup>1</sup>   | DDTA115EUA-7-F <sup>1</sup> | DDTD114EC-7-F <sup>1</sup>  | DMC25D1UVT-7 <sup>1</sup>  | DMN2120UFCL-7 <sup>1</sup> |
| BS250FTA <sup>1</sup>     |                              |                             |                             |                            |                            |

**Table 1 Cont. - Affected Part List to add CAT as A/T site using PdCu, Cu or Au bond wire**

|                             |                             |                            |                               |                            |                            |
|-----------------------------|-----------------------------|----------------------------|-------------------------------|----------------------------|----------------------------|
| DMN2215UDM-7 <sup>1</sup>   | DMN5L06VAK-7 <sup>2</sup>   | DMP45H150DHE-13            | DNLS320E-13                   | DZTA42-13 <sup>1</sup>     | MMBTA63-7-F <sup>1</sup>   |
| DMN2230U-7 <sup>1</sup>     | DMN5L06VK-7 <sup>2</sup>    | DMP45H21DHE-13             | DNLS412E-13                   | DZTA92-13 <sup>1</sup>     | MMBTA64-7-F <sup>1</sup>   |
| DMN22M5UFG-7                | DMN5L06VK-7A <sup>2</sup>   | DMP56D0UV-7 <sup>2</sup>   | DP350T05-7 <sup>1</sup>       | FMMTA92TA <sup>1</sup>     | MMDT3904VC-7 <sup>1</sup>  |
| DMN2400UV-13 <sup>2</sup>   | DMN5L06VK-7-G <sup>2</sup>  | DMP58D0SV-7 <sup>1</sup>   | DPLS160-7 <sup>1</sup>        | FZT493ATA <sup>1</sup>     | MMDTA06-7 <sup>1</sup>     |
| DMN2400UV-7 <sup>2</sup>    | DMN601VK-7 <sup>2</sup>     | DMP6023LE-13               | DPLS315E-13                   | FZT7053TA <sup>1</sup>     | MMDTA42-7-F <sup>1</sup>   |
| DMN2450UFB4-7B <sup>1</sup> | DMN6040SE-13                | DMP6185SE-13               | DPLS320A-7                    | FZT717TA <sup>1</sup>      | MMST6427-7-F <sup>1</sup>  |
| DMN2450UFB4-7R <sup>1</sup> | DMN6068SE-13                | DMPH4013SPS-13             | DRDC3105E6-7 <sup>1</sup>     | GDZ10LP3-7 <sup>5</sup>    | MMSTA42-7-F <sup>1</sup>   |
| DMN24H3D5L-13               | DMN6069SE-13                | DMPH4015SSS-13             | DRDC3105F-7 <sup>1</sup>      | GDZ11LP3-7 <sup>5</sup>    | MMSTA92-7-F <sup>1</sup>   |
| DMN24H3D5L-7                | DMN61D8L-7 <sup>1</sup>     | DMS2120LFWB-7 <sup>1</sup> | DRTR5V0U1SO-7 <sup>1</sup>    | GDZ12LP3-7 <sup>5</sup>    | SBR0240LPW-7B <sup>1</sup> |
| DMN3012LEG-13               | DMN61D8LVT-13 <sup>1</sup>  | DMT10H009LCG-13            | DRTR5V0U2SR-7 <sup>1</sup>    | GDZ13LP3-7 <sup>5</sup>    | SBR20U50SLP-13             |
| DMN3012LEG-7                | DMN61D8LVT-7 <sup>1</sup>   | DMT10H009LFG-13            | DRTR5V0U4LP16-7               | GDZ15LP3-7 <sup>5</sup>    | SBRT20M80SLP-13            |
| DMN3013LDG-13               | DMN62D1LFB-7B <sup>1</sup>  | DMT10H009LFG-7             | DRTR5V0U4S-7 <sup>1</sup>     | GDZ16LP3-7 <sup>5</sup>    | SBRT20U100SLP-13           |
| DMN3013LFG-7                | DMN63D1LV-7 <sup>2</sup>    | DMT10H015LFG-13            | DRTR5V0U4SL-7 <sup>1</sup>    | GDZ18LP3-7 <sup>5</sup>    | SBRT20U50SLP-13            |
| DMN3022LFG-13               | DMN63D8LV-7 <sup>2</sup>    | DMT10H015LFG-7             | DSS20201L-7                   | GDZ20LP3-7 <sup>5</sup>    | SBRT25M50SLP-13            |
| DMN3023L-13                 | DMNH15H110SPS-13            | DMT3003LFG-13              | DSS30101L-7 <sup>1</sup>      | GDZ22LP3-7 <sup>5</sup>    | SBRT25U50SLP-13            |
| DMN3023L-7                  | DMP1046UVT-7                | DMT3003LFG-7               | DSS4160DS-7 <sup>1</sup>      | GDZ24LP3-7 <sup>5</sup>    | SBRT25U60SLP-13            |
| DMN3024LSD-13               | DMP1055USW-7                | DMT3006LFG-7 <sup>3</sup>  | DSS4160FDB-7R <sup>1</sup>    | GDZ2V7LP3-7 <sup>5</sup>   | SBRT25U80SLP-13            |
| DMN3024LSS-13               | DMP1055UVT-7                | DMT3009LDT-7A              | DSS4160T-7 <sup>1</sup>       | GDZ3V0LP3-7 <sup>5</sup>   | SBRT3M30LP-7               |
| DMN3035LWN-7                | DMP2004VK-7 <sup>2</sup>    | DMT32M5LFG-13              | DSS4240T-7 <sup>1</sup>       | GDZ3V3LP3-7 <sup>5</sup>   | SBRT4U10LP-7               |
| DMN3069L-7                  | DMP2005UFG-13               | DMT32M5LFG-7               | DSS4320T-7                    | GDZ3V6LP3-7 <sup>5</sup>   | SBRT4U15LP-7 <sup>1</sup>  |
| DMN3071LFR4-7R <sup>1</sup> | DMP2005UFG-7                | DMT43M8LFG-13              | DSS45160FDB-7 <sup>1</sup>    | GDZ3V9LP3-7 <sup>5</sup>   | SBRT4U30LP-7 <sup>1</sup>  |
| DMN30H14DLY-13              | DMP2016UFDF-7 <sup>4</sup>  | DMT43M8LFG-7               | DSS5160T-7 <sup>1</sup>       | GDZ4V1LP3-7 <sup>5</sup>   | SBRT4U45LP-7 <sup>1</sup>  |
| DMN30H4D0L-13               | DMP2090UFDB-7 <sup>4</sup>  | DMT6005LFG-13              | DSS5220T-13 <sup>1</sup>      | GDZ4V3LP3-7 <sup>5</sup>   | SBRT4U60LP-7               |
| DMN30H4D0L-7                | DMP2165UFDB-7               | DMT6005LFG-7               | DSS5220T-7 <sup>1</sup>       | GDZ4V7LP3-7 <sup>5</sup>   | SBRT6U10LP-7 <sup>1</sup>  |
| DMN30H4D1S-7                | DMP21D6UFB4-7B <sup>1</sup> | DMT6007LFG-13              | DSS5320T-7 <sup>1</sup>       | GDZ5V1LP3-7 <sup>5</sup>   | SBRT6U20LP-7 <sup>1</sup>  |
| DMN3270UVT-13               | DMP2200UDW-13 <sup>1</sup>  | DMT6007LFG-7               | DTM3A25P20NFDB-7 <sup>1</sup> | GDZ5V6LP3-7 <sup>5</sup>   | SBRT6U45LP-7 <sup>1</sup>  |
| DMN32D0LFB4-7B <sup>1</sup> | DMP2200UDW-7 <sup>1</sup>   | DMT67M8LCG-7               | DXTN58100CFDB-7               | GDZ6V0LP3-7 <sup>5</sup>   | SD03C-7                    |
| DMN32D2LV-7 <sup>2</sup>    | DMP26M1UPS-13 <sup>3</sup>  | DMTH10H4M6SPS-13           | DXTN5820DFDB-7                | GDZ6V2LP3-7 <sup>5</sup>   | SD05C-7                    |
| DMN32D4SDW-7 <sup>1</sup>   | DMP2900UV-7                 | DMTH15H017SPS-13           | DXTN5840CFDB-7                | GDZ6V8LP3-7 <sup>5</sup>   | SD24-7                     |
| DMN33D9LV-7 <sup>2</sup>    | DMP3004SSS-13               | DMTH4008LDFW-7             | DXTN5860DFDB-7                | GDZ7V5LP3-7 <sup>5</sup>   | SD24C-7                    |
| DMN33D9LV-7A <sup>2</sup>   | DMP3007SFG-13               | DMTH43M8LFG-13             | DXTP3C60PS-13 <sup>1</sup>    | GDZ8V2BLP3-7 <sup>25</sup> | SDM03U40-7 <sup>2</sup>    |
| DMN3731U-7 <sup>1</sup>     | DMP3007SFG-7                | DMTH43M8LFG-7              | DXTP58100CFDB-7               | GDZ8V2LP3-7 <sup>5</sup>   | SDM05U20S3-7               |
| DMN3731UFB4-7B <sup>1</sup> | DMP3030SN-7                 | DMTH6005LFG-13             | DXTP5820CFDB-7                | GDZ9V1LP3-7 <sup>5</sup>   | SDM10U45-7 <sup>2</sup>    |
| DMN4027SSD-13               | DMP4011SPS-13               | DMTH6005LFG-7              | DXTP5840CFDB-7                | GZ23C5V6-7 <sup>1</sup>    | SDM1100LP-7 <sup>1</sup>   |
| DMN4034SSD-13               | DMP4013SPS-13               | DMTH8004LPS-13             | DXTP5860CFDB-7                | MMBT123S-7-F <sup>1</sup>  | SDM20U30-7 <sup>2</sup>    |
| DMN4034SSS-13               | DMP4050SSD-13               | DMTH84M1SPS-13             | DZT3150-13                    | MMBT4403-13-F <sup>1</sup> | SDM20U40-13 <sup>2</sup>   |
| DMN5010VAK-7 <sup>2</sup>   | DMP4050SSS-13               | DNLS160-7 <sup>1</sup>     | DZT5401-13 <sup>1</sup>       | MMBT5401-13-F <sup>1</sup> | SDM20U40-7 <sup>2</sup>    |

**Table 1 Cont. - Affected Part List to add CAT as A/T site using PdCu, Cu or Au bond wire**

|                           |                             |                          |                            |                             |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|-----------------------------|----------------------------|
| T5V0LCS5-7 <sup>1</sup>   | ZXGD3002E6TA <sup>1</sup>   | ZXMN10B08E6TA            | ZXMN6A11DN8TA              | ZXMP6A18DN8TA               | ZXTN5551FLTA <sup>1</sup>  |
| UDZ5V1B-7 <sup>2</sup>    | ZXGD3004E6TA <sup>1</sup>   | ZXMN2088DE6TA            | ZXMN6A11GTA <sup>1</sup>   | ZXMP6A18DN8TC               | ZXTN649FTA <sup>1</sup>    |
| UDZ5V6B-7-F <sup>2</sup>  | ZXGD3009DYTA <sup>1</sup>   | ZXMN2A01E6TA             | ZXMN6A11ZTA                | ZXPD4000DH-7 <sup>1</sup>   | ZXTP01500BGTC <sup>1</sup> |
| ZHCS350TA <sup>2</sup>    | ZXGD3009E6TA <sup>1</sup>   | ZXMN2A01FTA <sup>1</sup> | ZXMN6A25DN8TA              | ZXTC2045E6TA <sup>1</sup>   | ZXTP03200BGTA              |
| ZLLS350TA <sup>2</sup>    | ZXMC10A816N8TC              | ZXMN2A02N8TA             | ZXMN6A25N8TA               | ZXTC2062E6TA <sup>1</sup>   | ZXTP19020DGTA              |
| ZUMT491TA <sup>1</sup>    | ZXMC3A16DN8TA               | ZXMN2A03E6TA             | ZXMP10A13FTA <sup>1</sup>  | ZXTC2063E6TA <sup>1</sup>   | ZXTP19060CGTA              |
| ZUMT591TA <sup>1</sup>    | ZXMC3A16DN8TC               | ZXMN2A04DN8TA            | ZXMP10A13FTC <sup>1</sup>  | ZXTD09N50DE6TA <sup>1</sup> | ZXTP19100CGTA              |
| ZUMT617TA <sup>1</sup>    | ZXMC3A17DN8TA               | ZXMN2AMCTA <sup>1</sup>  | ZXMP10A17E6TA <sup>1</sup> | ZXTD2090E6TA <sup>1</sup>   | ZXTP2014GTC                |
| ZUMT618TA <sup>1</sup>    | ZXMC3AMCTA <sup>1</sup>     | ZXMN2B01FTA <sup>1</sup> | ZXMP3A13FTA <sup>1</sup>   | ZXTD6717E6TA <sup>1</sup>   | ZXTP2039FTA <sup>1</sup>   |
| ZUMT718TA <sup>1</sup>    | ZXMC3F31DN8TA               | ZXMN2B03E6TA             | ZXMP3A13FTC <sup>1</sup>   | ZXTN19020DGTA               | ZXTP25012EFHTA             |
| ZUMT720TA <sup>1</sup>    | ZXMC4559DN8TA               | ZXMN3A01E6TA             | ZXMP3A16DN8TA              | ZXTN19060CGTA               | ZXTP25015DFHTA             |
| ZVN3310FTA <sup>1</sup>   | ZXMC4559DN8TC               | ZXMN3A01FTA <sup>1</sup> | ZXMP3A16N8TA               | ZXTN19100CGTA               | ZXTP25020BFHTA             |
| ZVN3320FTA <sup>1</sup>   | ZXMC4A16DN8TA               | ZXMN3A01ZTA <sup>1</sup> | ZXMP3A17DN8TA              | ZXTN25012EFHTA              | ZXTP25020CFHTA             |
| ZVN4106FTA <sup>1</sup>   | ZXMC6A09DN8TA               | ZXMN3A03E6TA             | ZXMP4A16GTA <sup>1</sup>   | ZXTN25015DFHTA              | ZXTP25020DFHTA             |
| ZVN4525E6TA <sup>1</sup>  | ZXMHC10A07N8TC              | ZXMN3A04DN8TA            | ZXMP4A57E6TA               | ZXTN25020BFHTA              | ZXTP25020DFLTA             |
| ZVN4525GTA <sup>1</sup>   | ZXMHC3A01N8TC               | ZXMN3A06DN8TA            | ZXMP6A13FTA <sup>1</sup>   | ZXTN25020CFHTA              | ZXTP25020DGTA              |
| ZVN4525ZTA <sup>2</sup>   | ZXMHC3F381N8TC              | ZXMN3AMCTA <sup>1</sup>  | ZXMP6A16DN8TA              | ZXTN25020DFHTA              | ZXTP25040DFHTA             |
| ZVP1320FTA <sup>1</sup>   | ZXMHC6A07N8TC               | ZXMN3B04N8TA             | ZXMP6A17DN8TA              | ZXTN25020DGTA               | ZXTP25040DFLTA             |
| ZVP3306FTA <sup>1</sup>   | ZXMN10A07FTA <sup>1</sup>   | ZXMN3G32DN8TA            | ZXMP6A17DN8TC              | ZXTN25040DFHTA              | ZXTP25140BFHTA             |
| ZVP3310FTA <sup>1</sup>   | ZXMN10A07ZTA <sup>1</sup>   | ZXMN4A06GTA              | ZXMP6A17E6TA               | ZXTN25060BFHTA              | ZXTP5401FLTA <sup>1</sup>  |
| ZVP4424GTA <sup>1</sup>   | ZXMN10A08DN8TA <sup>1</sup> | ZXMN6A07ZTA <sup>1</sup> | ZXMP6A17GTA                | ZXTN25100BFHTA              | ZXTP5401GTA <sup>1</sup>   |
| ZVP4525E6TA <sup>1</sup>  | ZXMN10A08E6TA               | ZXMN6A08E6TA             | ZXMP6A17GTC                | ZXTN25100DGTA               | ZXTP749FTA <sup>1</sup>    |
| ZXGD3001E6TA <sup>1</sup> | ZXMN10A11GTA <sup>1</sup>   | ZXMN6A09DN8TA            | ZXMP6A17N8TC               | -                           | -                          |

Note 1: Change bond wire from Cu to PdCu

Note 2: Change bond wire from Au to PdCu

Note 3: Change bond wire from Cu to Au

Note 4: Change bond wire from PdCu to Cu

Note 5: Change lead frame type, lead frame plating composition as well as lead frame pad visual change shown in Table 5

**Table 2 - Affected Part List to add CAT as additional wafer back grinding and back metal process facility**

|               |               |               |              |               |                  |
|---------------|---------------|---------------|--------------|---------------|------------------|
| BSS138K-13    | DMC3026LSD-13 | DMC6022SSD-13 | DMG2302UK-13 | DMG3406L-7    | DMG9926UDM-7     |
| BSS138K-7     | DMC4015SSD-13 | DMG2301L-13   | DMG2302UK-7  | DMG3407SSN-7  | DMHC10H170SFJ-13 |
| DMC1015UPD-13 | DMC4029SK4-13 | DMG2301L-7    | DMG3404L-13  | DMG3418L-7    | DMHT6016LFJ-13   |
| DMC1016UPD-13 | DMC4029SSD-13 | DMG2301LK-13  | DMG3404L-7   | DMG7430LFG-13 | DMN1004UFD-13    |
| DMC1018UPD-13 | DMC4047LSD-13 | DMG2301LK-7   | DMG3406L-13  | DMG7430LFG-7  | DMN1004UFD-7     |

**Table 2 Cont - Affected Part List to add CAT as additional wafer back grinding and back metal process facility**

|                 |                |                 |                |                 |                |
|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| DMN1008UFDF-13  | DMN2046U-7     | DMN33D8L-13     | DMP1012UFDF-7  | DMP3028LK3-13   | DMT10H015LCG-7 |
| DMN1008UFDF-7   | DMN2058U-13    | DMN33D8L-7      | DMP10H400SE-13 | DMP3036SFG-13   | DMT2004UFDF-7  |
| DMN10H099SFG-13 | DMN2058U-7     | DMN33D8LDW-13   | DMP10H4D2S-13  | DMP3036SFG-7    | DMT2004UFG-7   |
| DMN10H099SFG-7  | DMN3008SFG-13  | DMN33D8LDW-7    | DMP10H4D2S-7   | DMP3050LSS-13   | DMT3004LFG-13  |
| DMN10H100SK3-13 | DMN3008SFG-7   | DMN33D8LT-13    | DMP2006UFG-13  | DMP3056L-13     | DMT3004LFG-7   |
| DMN10H120SE-13  | DMN3009SFG-13  | DMN33D8LT-7     | DMP2006UFG-7   | DMP3056LVT-7    | DMT3006LDK-7   |
| DMN10H120SFG-13 | DMN3009SFG-7   | DMN4008LFG-13   | DMP2007UFG-13  | DMP3068L-13     | DMT3006LPB-13  |
| DMN10H120SFG-7  | DMN3010LFG-7   | DMN4008LFG-7    | DMP2007UFG-7   | DMP3068L-7      | DMT3008LFDF-7  |
| DMN10H170SFDE-7 | DMN3016LDN-13  | DMN4010LFG-13   | DMP2008UFG-13  | DMP3085LSS-13   | DMT3011LDT-7   |
| DMN10H170SFG-13 | DMN3016LDN-7   | DMN4010LFG-7    | DMP2008UFG-7   | DMP3099L-13     | DMT4008LFDF-7  |
| DMN10H170SFG-7  | DMN3016LFDE-13 | DMN4020LFDE-13  | DMP2010UFG-13  | DMP3125L-13     | DMT4011LFG-13  |
| DMN10H170SK3-13 | DMN3016LFDE-7  | DMN4020LFDE-7   | DMP2010UFG-7   | DMP3125L-7      | DMT4011LFG-7   |
| DMN10H170SVT-7  | DMN3016LFDF-13 | DMN4026SK3-13   | DMP2021UFDE-13 | DMP4013LFG-13   | DMT5015LFDF-13 |
| DMN10H220L-13   | DMN3016LFDF-7  | DMN4026SSD-13   | DMP2021UFDE-7  | DMP4013LFG-7    | DMT5015LFDF-7  |
| DMN10H220LE-13  | DMN3016LK3-13  | DMN53D0LDW-13   | DMP2021UFDF-7  | DMP4047SK3-13   | DMT6008LFG-13  |
| DMN10H220LK3-13 | DMN3016LPS-13  | DMN53D0LT-7     | DMP2021UTS-13  | DMP4047SSD-13   | DMT6008LFG-7   |
| DMN10H220LVT-7  | DMN3020UFDF-13 | DMN53D0U-7      | DMP2023UFDF-13 | DMP4065S-13     | DMT6009LCT     |
| DMN10H700S-13   | DMN3020UFDF-7  | DMN6013LFG-13   | DMP2023UFDF-7  | DMP4065S-7      | DMT6009LFG-13  |
| DMN10H700S-7    | DMN3020UTS-13  | DMN6013LFG-7    | DMP2035U-13    | DMP6023LFG-13   | DMT6009LFG-7   |
| DMN2004TK-7     | DMN3021LFDF-7  | DMN6040SK3-13   | DMP2035UVT-13  | DMP6023LFG-7    | DMT6010LFG-13  |
| DMN2004WK-7     | DMN3025LFDF-7  | DMN6040SSS-13   | DMP2035UVT-7   | DMP6050SFG-13   | DMT6010LFG-7   |
| DMN2005UFG-13   | DMN3025LFG-13  | DMN6066SSD-13   | DMP2040UFDF-7  | DMP6050SFG-7    | DMT6015LPS-13  |
| DMN2005UFG-7    | DMN3025LFG-7   | DMN6066SSS-13   | DMP2065UFDB-13 | DMP6110SFDF-13  | DMT6016LFDF-13 |
| DMN2008LFU-7    | DMN3025LSS-13  | DMN6069SFG-13   | DMP2065UFDB-7  | DMP6110SFDF-7   | DMT6016LFDF-7  |
| DMN2011UFDE-7   | DMN3026LVT-7   | DMN6069SFG-7    | DMP2120U-7     | DMP6110SVT-13   | DMT6016LPS-13  |
| DMN2011UFDF-13  | DMN3030LSS-13  | DMN7022LFG-13   | DMP2123L-7     | DMP6110SVT-7    | DMT6018LDR-13  |
| DMN2011UFDF-7   | DMN3032LE-13   | DMN7022LFG-7    | DMP2170U-7     | DMP6185SK3-13   | DMT6018LDR-7   |
| DMN2011UFX-7    | DMN3033LSN-7   | DMNH6021SPDW-13 | DMP26M7UFG-7   | DMP6250SE-13    | DMT8012LFG-7   |
| DMN2011UTS-13   | DMN3042LFDF-7  | DMNH6042SPD-13  | DMP3026SFDE-13 | DMP6250SFDF-13  | DMTH4007SPD-13 |
| DMN2015UFDE-7   | DMN3065LW-13   | DMNH6042SSD-13  | DMP3026SFDE-7  | DMP6350S-13     | DMTH4011SPD-13 |
| DMN2015UFDF-7   | DMN3065LW-7    | DMP1005UFDF-13  | DMP3026SFDF-13 | DMP6350S-7      | DMTH4014LPD-13 |
| DMN2025UFDB-13  | DMN3110S-7     | DMP1005UFDF-7   | DMP3026SFDF-7  | DMPH6050SPD-13  | DMTH6010LPD-13 |
| DMN2025UFDB-7   | DMN3135LVT-7   | DMP1009UFDF-13  | DMP3028LFDE-13 | DMS2085LSD-13   | DMTH6016LPD-13 |
| DMN2046U-13     | DMN3300U-7     | DMP1009UFDF-7   | DMP3028LFDE-7  | DMT10H015LCG-13 | ZXMN2F30FHTA   |

**Table 3 - Affected Part List to add CAT as A/T site using PdCu bond wire, and add CAT as additional wafer back grinding and back metal process facility**

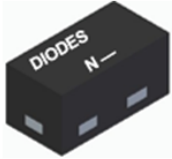
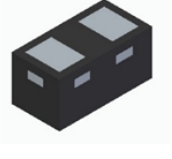

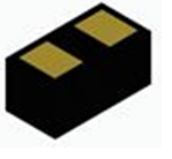
|                           |                          |                |                 |                |                  |
|---------------------------|--------------------------|----------------|-----------------|----------------|------------------|
| DMHC3025LSD-13            | DMN5040LSS-13            | DMNH4026SSD-13 | DMP6110SSD-13   | DMT6010LSS-13  | DMTH3004LFG-7    |
| DMHC4035LSD-13            | DMN53D0LV-7 <sup>2</sup> | DMNH6022SSD-13 | DMPH6050SSD-13  | DMT6015LSS-13  | DMTH6016LFDFW-13 |
| DMHC6070LSD-13            | DMN6022SSD-13            | DMP2022LSS-13  | DMT10H014LSS-13 | DMT6017LSS-13  | DMTH6016LFDFW-7  |
| DMN33D8LV-13 <sup>2</sup> | DMN6070SY-13             | DMP3037LSS-13  | DMT10H015LSS-13 | DMT8012LSS-13  | DMTH6016LSD-13   |
| DMN33D8LV-7 <sup>2</sup>  | DMNH4015SSD-13           | DMP6023LSS-13  | DMT6005LSS-13   | DMTH3004LFG-13 |                  |

Note 2: Change bond wire from Au to PdCu

**Table 4 - Affected Part List to add Shandong DIYI Electronic Science and Technology Co., LTD (DIYI) as A/T site**

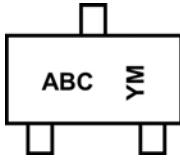
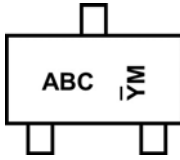
|              |               |               |  |  |  |
|--------------|---------------|---------------|--|--|--|
| SBR1045SD1-T | SBR10U45SD1-T | SBR12A45SD1-T |  |  |  |
|--------------|---------------|---------------|--|--|--|

**Table 5 – Visual Change for DFN0603 Package**

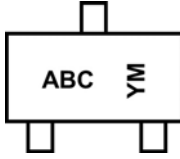
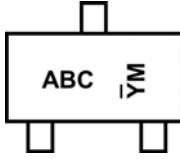
|  |  |   |  |
|--|--|---|--|
| <b>SAT (Diodes Internal AT Site Shanghai, China)</b>                                       |  | <b>CAT (Diodes Internal AT Site Chengdu, China)</b>   |  |
|  |  | Same POD size and layout,<br>Change from Sn plating to Au plating lead frame pad for CAT site |  |
| Top and Bottom view  |  | Top and Bottom view   |  |
| DFN0603H3-2  |  | DFN0603H3-2   |  |
| <br>(Top) | <br>(Bottom Sn plating) | <br>(Top)   | <br>(Bottom Au plating) |

**Table 6 – Part Marking Format Change for Affected Packages**

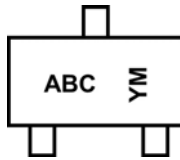
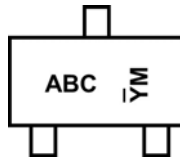
**SOT-23**

|  |  |
|--|--|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>                               | <b>CAT (Diodes Internal AT Site Chengdu, China)</b>                                  |
|  | Add "-" on Y for CAT site  |
| Marking format example   | Marking format example   |
|  |  |

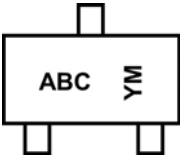
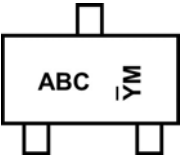
**SOT-323**

|   |   |
|---|---|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>                                | <b>CAT (Diodes Internal AT Site Chengdu, China)</b>                                   |
|   | Add "-" on Y for CAT site   |
| Marking format example  | Marking format example  |
|  |  |

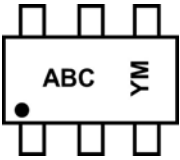
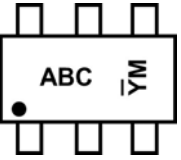
**SOT-523**

|   |   |
|---|---|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>                                | <b>CAT (Diodes Internal AT Site Chengdu, China)</b>                                   |
|   | Add "-" on Y for CAT site   |
| Marking format example  | Marking format example  |
|  |  |

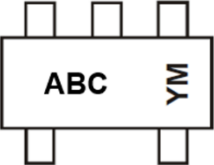
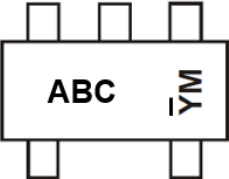
**SSOT-23**

|   |   |
|---|---|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>                              | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add “-” on Y for CAT site    |
| Marking format example  | Marking format example  |
|  |  |

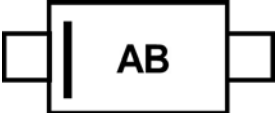
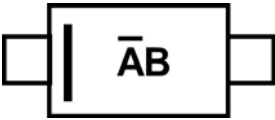
**TSOT23-6**

|   |   |
|---|---|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>                              | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add “-” on Y for CAT site    |
| Marking format example  | Marking format example  |
|  |  |

**SOT-353**

|   |   |
|---|---|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>                                | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add “-” on Y for CAT site      |
| Marking format example  | Marking format example  |
|  |  |

**SOD-323**

|   |  |
|---|--|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>                                | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add “-” on first character for CAT site |
| Marking format example  | Marking format example   |
|  |           |



**SOT-143**

|  |  |
|--|--|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b> | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add “-” on Y for CAT site |
| Marking format example                               | Marking format example   |
|  |  |

**SOP-8L**

|  |   |
|--|---|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b> | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add “-” on YY for CAT site |
| Marking format example                               | Marking format example  |
|  |   |

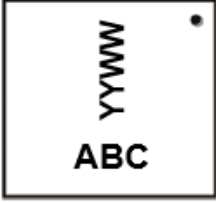
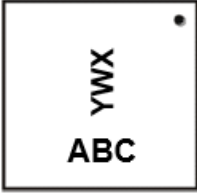
**SOT-223**

|  |  |
|--|--|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b> | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add “-” on Y for CAT site |
| Marking format example                               | Marking format example   |
|  |  |

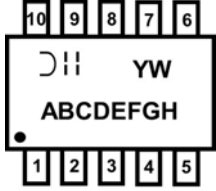

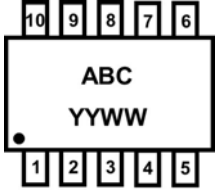
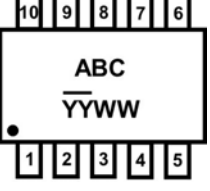
**SOT89-3L**

|  |  |
|--|--|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b> | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add “-” on Y for CAT site |
| Marking format example                               | Marking format example   |
| <p>(Top View)</p>                                    | <p>(Top View)</p>  |

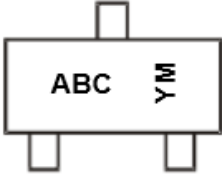
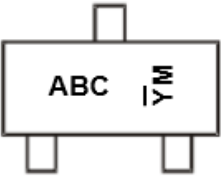
**PowerDI3333/PowerDI3030 / SWP-PowerDI3333-8L**

|   |   |
|---|---|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>                              | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Change from YW to YWX for CAT site |
| Marking format example  | Marking format example  |
|  |        |



**MSOP-10L**

|   |   |
|---|---|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>                                | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add "-" on Y for CAT site      |
| Marking format example  | Marking format example  |
|    |    |
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>                                | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add "-" on YY for CAT site     |
| Marking format example  | Marking format example  |
|  |  |

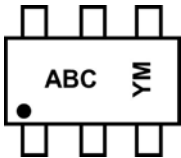
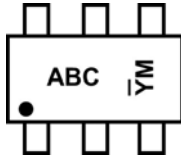
**SC-59**

|   |   |
|---|---|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>  | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add "-" on Year D/C for CAT site   |
| Marking format example  | Marking format example  |
|  <p>N7=Product Type Marking Code<br/>YM=Date Code Marking<br/>Y= Year (ex: A=2013)<br/>M=Month (ex: 9=September)</p> |  <p>N7=Product Type Marking Code<br/>YM&amp;ȲM=Date Code Marking<br/>Ȳ= Year (ex: A=2013)<br/>M=Month (ex: 9=September)</p> |

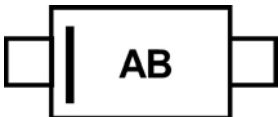
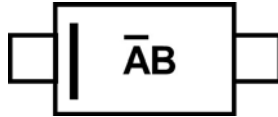

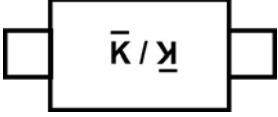
**PowerDI5060-8L / SWP-PowerDI5060-8L Q / PowerDI5060-8L D**

| SAT (Diodes Internal AT site Shanghai, China)   | CAT (Diodes Internal AT Site Chengdu, China)<br>Add "-" on Y for CAT site  |
|---|--|
| Marking format example  | Marking format example   |
|  <p> <math>\text{D}   </math> = Manufacturer's Marking<br/>                     ABCDEFG = Product Type Marking Code<br/>                     YYWW = Date Code Marking<br/>                     YY = Year (ex: 13 = 2013)<br/>                     WW = Week (01 - 53)                 </p> |  <p> <math>\text{D}   </math> = Manufacturer's Marking<br/>                     ABCDEFG = Product Type Marking Code<br/> <math>\overline{\text{Y}}\text{Y}\text{W}\text{W}</math> = Date Code Marking<br/> <math>\overline{\text{Y}}\text{Y}</math> = Year (ex: 13 = 2013)<br/>                     WW = Week (01 - 53)                 </p> |

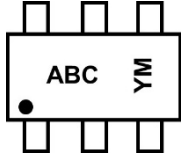
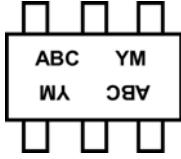
**SOT-563**

| SAT (Diodes Internal AT site Shanghai, China)  | CAT (Diodes Internal AT Site Chengdu, China)<br>Add "-" on Y for CAT site   |
|--|---|
| Marking format example   | Marking format example  |
|  <p>                     ABC = Product Type Marking Code<br/>                     YM = Date Code Marking<br/>                     Y or <math>\overline{\text{Y}}</math> = Year (Ex: G = 2019)<br/>                     M = Month (ex: 9 = September)                 </p> |  <p>                     ABC = Product Type Marking Code<br/>                     YM = Date Code Marking<br/>                     Y or <math>\overline{\text{Y}}</math> = Year (Ex: G = 2019)<br/>                     M = Month (ex: 9 = September)                 </p> |

**SOD-523**

| SAT (Diodes Internal AT site Shanghai, China)   | CAT (Diodes Internal AT Site Chengdu, China)<br>Add "-" on Y for CAT site  |
|---|--|
| Marking format example  | Marking format example   |
|    |    |
|  <p><math>\text{K} / \text{M}</math> = Product Type Marking Code</p> |  <p><math>\overline{\text{K}} / \overline{\text{M}}</math> = Product Type Marking Code</p> |

**SOT-26**

| SAT (Diodes Internal AT site Shanghai, China)                                       | CAT (Diodes Internal AT Site Chengdu, China)<br>Add "-" on Y for CAT site           |
|---|---|
| Marking format example  | Marking format example  |
|  |  |

**SOT-363**

|  |  |  |  |
|--|--|--|--|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b> |  | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add “-” on Y for CAT site |  |
| Marking format example                               |  | Marking format example   |  |
|  |  |  |  |

**DFN3020**

|  |  |   |  |
|--|--|---|--|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b> |  | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Change from YM to YWX for CAT site |  |
| 1. Marking format example_DFN3020N / B / R / P-8     |  | 1. Marking format example_DFN3020N / B / R / P-8  |  |
|  |  |   |  |
| 2. Marking format example_DFN3020B / P-8             |  | 2. Marking format example_DFN3020B / P-8  |  |
|  |  |   |  |

**DFN2510**

|   |                   |   |                   |
|---|-------------------|---|-------------------|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>        |                   | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Change from YM to YWX for CAT site |                   |
| Marking orientation (Planform, Perspective - top to bottom) |                   | Marking orientation (Planform, Perspective - top to bottom)                               |                   |
| <b>DFN2510-10</b><br>(Planform)                             |                   | <b>DFN2510-10</b><br>(Planform)   |                   |
|   | <br>(Perspective) |   | <br>(Perspective) |

**DFN3333**

|   |  |   |  |
|---|--|---|--|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>        |  | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Change from YM to YWX for CAT site |  |
| Marking orientation (Planform, Perspective - top to bottom) |  | Marking orientation (Planform, Perspective - Planform to bottom)                          |  |
| 1. <b>DFN3333B-8</b>  |  | 1. <b>DFN3333B-8</b>  |  |
|   |  |   |  |

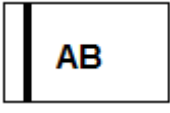
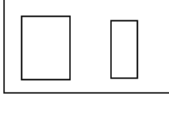
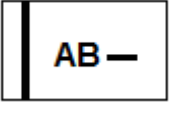
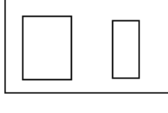
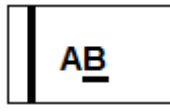
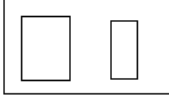
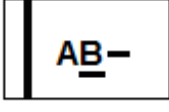
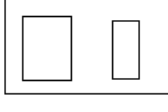
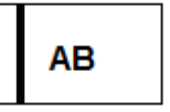
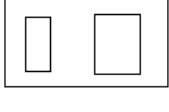
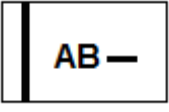
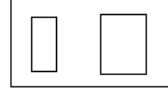
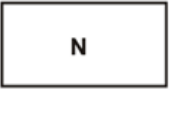
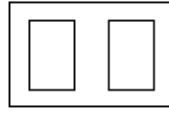
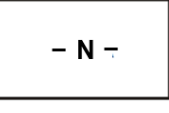
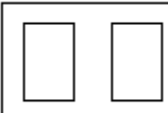




**DFN2018**

|  |  |   |  |
|--|--|---|--|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b> |  | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Change from YM to YWX for CAT site |  |
| 3. Marking format example_ DFN2018A-6                |  | 3. Marking format example_ DFN2018A-6   |  |
|  |  |   |  |

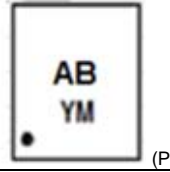
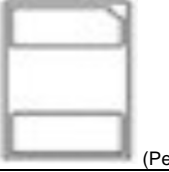
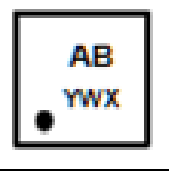
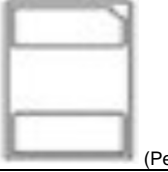
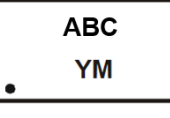
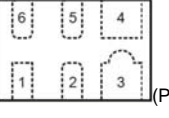
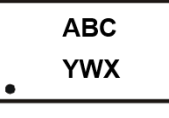
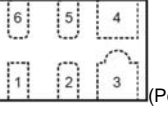
**DFN1006**

|  |               |  |               |
|--|---------------|--|---------------|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>                       |               | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add “-” on first character for CAT site |               |
| Marking orientation (Planform, Perspective – top to bottom)                |               | Marking orientation (Planform, Perspective – top to bottom)                                    |               |
| <b>DFN1006-2, DFN1006H4-2, SWP-DFN1006-2</b>                               |               | <b>DFN1006-2, DFN1006H4-2, SWP-DFN1006-2</b>   |               |
| 1. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation               |               | 1. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation                                   |               |
|  |               |  |               |
| (Planform)   | (Perspective) | (Planform)   | (Perspective) |
| 2. DFN1006-2,SWP-DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation |               | 2. DFN1006-2,SWP-DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation                     |               |
|  |               |  |               |
| (Planform)   | (Perspective) | (Planform)   | (Perspective) |
| 3. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation               |               | 3. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation                                   |               |
|  |               |  |               |
| (Planform)   | (Perspective) | (Planform)   | (Perspective) |
| 4. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation               |               | 4. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation                                   |               |
|  |               |  |               |
| (Planform)   | (Perspective) | (Planform)   | (Perspective) |
| 5. DFN1006B-2,SWP-DFN1006-2, SWP-DFN1006H4C-2                              |               | 5. DFN1006B-2,SWP-DFN1006-2, SWP-DFN1006H4C-2  |               |
|  |               |  |               |
| (Planform)   | (Perspective) | (Planform)   | (Perspective) |
| <b>DFN1006-3</b>   |               | <b>DFN1006-3</b>   |               |
| 1.DFN1006-3,DFN1006H4-3, -7B suffix marking orientation                    |               | 1.DFN1006-3,DFN1006H4-3, -7B suffix marking orientation  |               |
|  |               |  |               |
| (Planform)   | (Perspective) | (Planform)   | (Perspective) |
| 2.DFN1006-3,DFN1006H4-3, -7B suffix marking orientation                    |               | 2.DFN1006-3,DFN1006H4-3, -7B suffix marking orientation  |               |
|  |               |  |               |
| (Planform)   | (Perspective) | (Planform)   | (Perspective) |

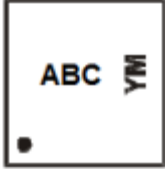

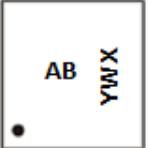
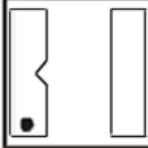
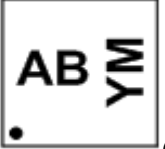
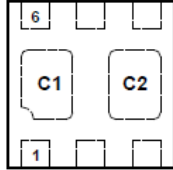
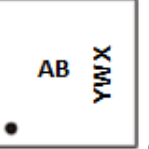
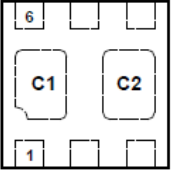
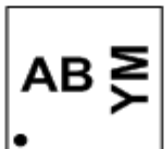
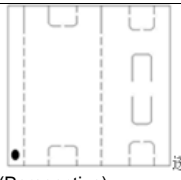
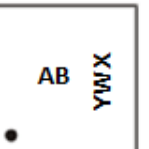
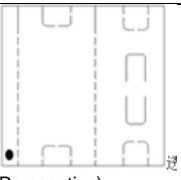
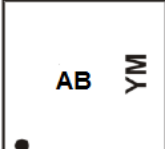
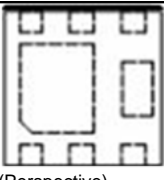
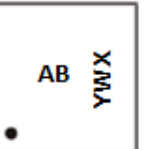
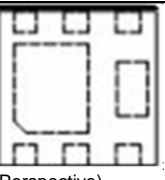
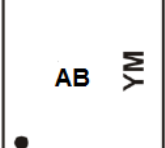
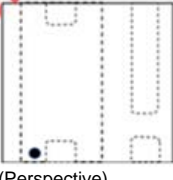
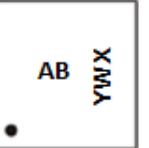
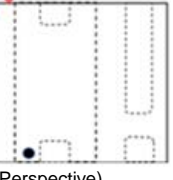
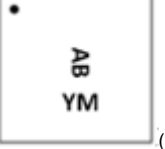
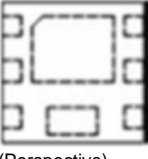

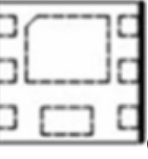
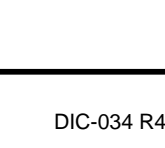
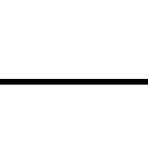
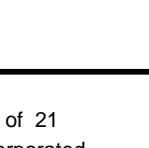
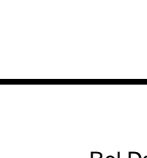
**DFN0603**

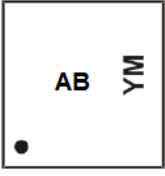
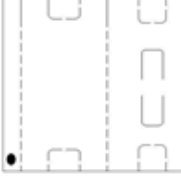
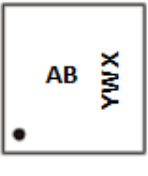
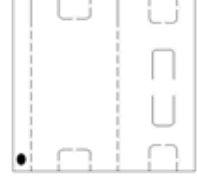
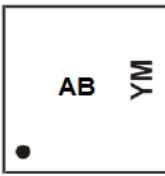
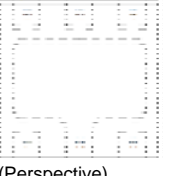
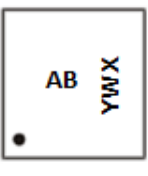
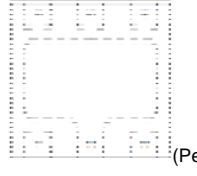
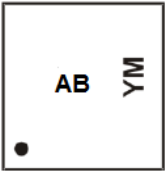
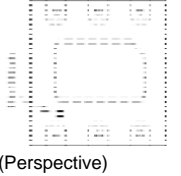
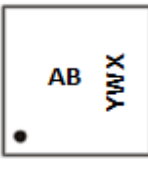
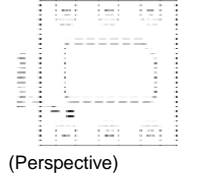
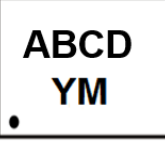
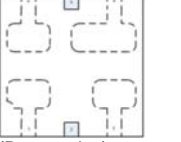

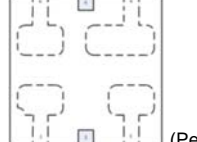

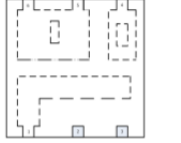

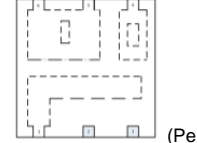
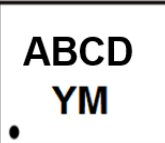

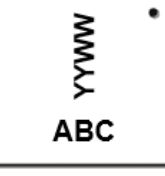
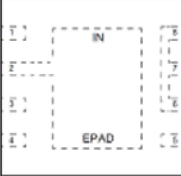
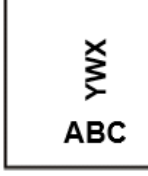
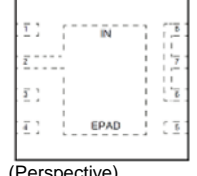
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>   |   | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Add "-" at the right side of the last character for CAT site |   |
|--|---|---|---|
| Marking orientation (Planform, Perspective - Planform to bottom)                               |   | Marking orientation (Planform, Perspective - Planform to bottom)  |   |
| <b>DFN0603</b>   |   | <b>DFN0603</b>  |   |
| 1. Cathode marked on the larger pad side   |   | 1. Cathode marked on the larger pad side  |   |
|  (Planform)   |  (Perspective)   |  (Planform)                       |  (Perspective)   |
| 2. Cathode marked on the larger pad side   |   | 2. Cathode marked on the larger pad side  |   |
|  (Planform)   |  (Perspective)   |  (Planform)                       |  (Perspective)   |
| 3. Cathode marked on the smaller pad side  |   | 3. Cathode marked on the smaller pad side   |   |
|  (Planform)   |  (Perspective)   |  (Planform)                       |  (Perspective)   |
| 4. Marking has no polarity and orientation request   |   | 4. Marking has no polarity and orientation request  |   |
|  (Planform)  |  (Perspective)  |  (Planform)                      |  (Perspective)  |
| 5. Marking has no polarity request but has orientation request                                 |   | 5. Marking has no polarity request but has orientation request  |   |
|  (Planform) |  (Perspective) |  (Planform)                     |  (Perspective) |

**DFN1610**

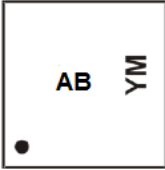
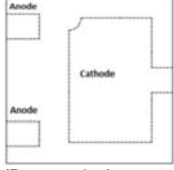
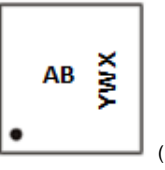
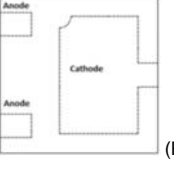

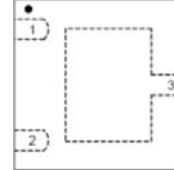
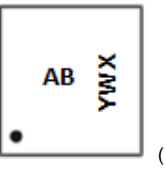
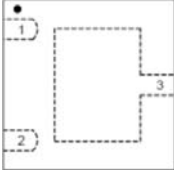
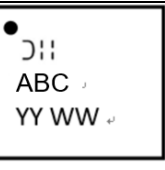
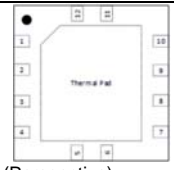

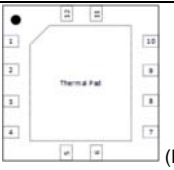
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>   |   | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Change from YM to YWX for CAT site       |   |
|--|---|---|---|
| Marking orientation (Planform, Perspective - Planform to bottom)                               |   | Marking orientation (Planform, Perspective - Planform to bottom)                                |   |
| <b>1.DFN1610B-2</b>  |   | <b>1.DFN1610B-2</b>   |   |
|  (Planform) |  (Perspective) |  (Planform) |  (Perspective) |
| <b>1.DFN1610-6</b>   |   | <b>1.DFN1610-6</b>  |   |
|  (Planform) |  (Perspective) |  (Planform) |  (Perspective) |

**DFN2020**

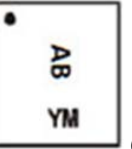


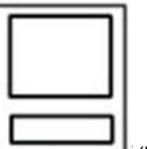
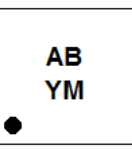
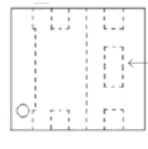
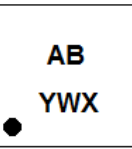
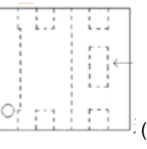
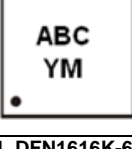
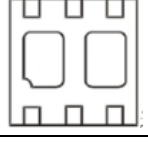
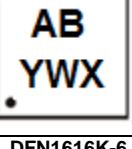
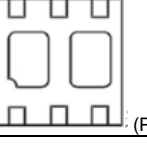
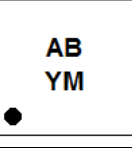
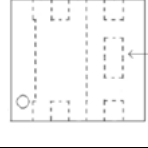
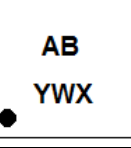
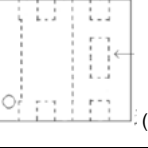
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>   |   | <b>CAT (Diodes Internal AT Site Chengdu, China)<br/>Change from YM to YWX for CAT site</b>      |   |
|--|---|---|---|
| Marking orientation (Planform, Perspective - Planform to bottom)                               |   | Marking orientation (Planform, Perspective - Planform to bottom)                                |   |
| <b>1. DFN2020-2 / DFN2020B-2</b>   |   | <b>1. DFN2020-2 / DFN2020B-2</b>  |   |
|  (Planform)   |  (Perspective)   |  (Planform)   |  (Perspective)   |
| <b>2. DFN2020B-6</b>   |   | <b>2. DFN2020B-6</b>  |   |
|  (Planform)   |  (Perspective)   |  (Planform)   |  (Perspective)   |
| <b>3. DFN2020E-6</b>   |   | <b>3. DFN2020E-6</b>  |   |
|  (Planform)   |  (Perspective)  |  (Planform)   |  (Perspective)  |
| <b>4. DFN2020F-6 / SWP-DFN2020F-6</b>  |   | <b>4. DFN2020F-6 / SWP-DFN2020F-6</b>   |   |
|  (Planform) |  (Perspective) |  (Planform) |  (Perspective) |
| <b>5. DFN2020H4-6</b>  |   | <b>5. DFN2020H4-6</b>   |   |
|  (Planform) |  (Perspective) |  (Planform) |  (Perspective) |
| <b>6. DFN2020W-6</b>   |   | <b>6. DFN2020W-6</b>  |   |
|  (Planform) |  (Perspective) |  (Planform) |  (Perspective) |
| <b>7. SWP-DFN2020E-6</b>   |   | <b>7. SWP-DFN2020E-6</b>  |   |
|  (Planform) |  (Perspective) |  (Planform) |  (Perspective) |

|   |  |  |  |                   |  |
|---|--|--|--|-------------------|--|
|  <p>(Planform)</p>   |  <p>(Perspective)</p>   |  <p>(Planform)</p>   |  <p>(Perspective)</p>   |                   |  |
| 8.DFN2020-6   |  | 8. DFN2020-6   |  |                   |  |
|  <p>(Planform)</p>   |  <p>(Perspective)</p>   |  <p>(Planform)</p>   |  <p>(Perspective)</p>   |                   |  |
| 9.DFN2020C-6  |  | 9. DFN2020C-6  |  |                   |  |
|  <p>(Planform)</p>   |  <p>(Perspective)</p>   |  <p>(Planform)</p>   |  <p>(Perspective)</p>   |                   |  |
| 10. DFN2020P-6  |  | 10. DFN2020P-6   |  |                   |  |
|  <p>(Planform)</p>  |  <p>(Perspective)</p>  |  <p>(Planform)</p>  |  <p>(Perspective)</p>  |                   |  |
| 11. DFN2020R-6  |  | 11. DFN2020R-6   |  |                   |  |
|  <p>(Planform)</p> |  <p>(Perspective)</p> |  <p>(Planform)</p> |  <p>(Perspective)</p> |                   |  |
| 12. DFN2020D-8  |  | 12. DFN2020D-8   |  |                   |  |
|  <p>(Planform)</p> | N/A (Perspective)  |  |  <p>(Planform)</p>     | N/A (Perspective) |  |
| 13. DFN2020K-8  |  | 13. DFN2020K-8   |  |                   |  |
|  <p>(Planform)</p> |  <p>(Perspective)</p> |  <p>(Planform)</p> |  <p>(Perspective)</p> |                   |  |
| 14. DFN2020C-3  |  | 14. DFN2020C-3   |  |                   |  |



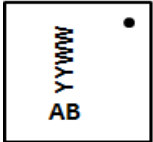

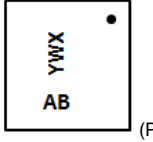

|   |  |  |  |
|---|--|--|--|
| <br>(Planform) | <br>(Perspective) | <br>(Planform) | <br>(Perspective) |
| <b>15. DFN2020B-3</b>   |  | <b>15. DFN2020B-3</b>  |  |
| <br>(Planform) | <br>(Perspective) | <br>(Planform) | <br>(Perspective) |
| <b>16. QFN2020B-12</b>  |  | <b>16. QFN2020B-12</b>   |  |
| <br>(Planform) | <br>(Perspective) | <br>(Planform) | <br>(Perspective) |

**DFN1616**

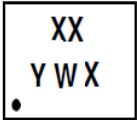
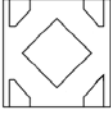
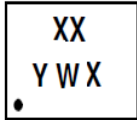
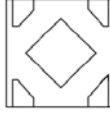




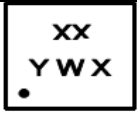

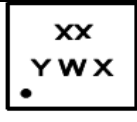

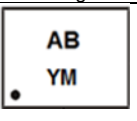
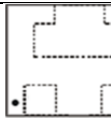
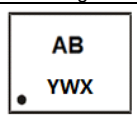
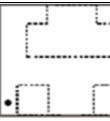
|   |  |   |  |
|---|--|---|--|
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>  |  | <b>CAT (Diodes Internal AT Site Chengdu, China)</b><br>Change from YM to YWX for CAT site         |  |
| Marking orientation (Planform, Perspective - Planform to bottom)                                  |  | Marking orientation (Planform, Perspective - Planform to bottom)                                  |  |
| <b>1. DFN1616-2</b>   |  |   |  |
| <br>(Planform) | <br>(Perspective) | <br>(Planform) | <br>(Perspective) |
| <b>2. DFN1616E-6</b>  |  |   |  |
| <br>(Planform) | <br>(Perspective) | <br>(Planform) | <br>(Perspective) |
| <b>3. DFN1616F-6</b>  |  |   |  |
| <br>(Planform) | <br>(Perspective) | <br>(Planform) | <br>(Perspective) |
| <b>4. DFN1616K-6</b>  |  |   |  |
| <br>(Planform) | <br>(Perspective) | <br>(Planform) | <br>(Perspective) |

**DFN3030**

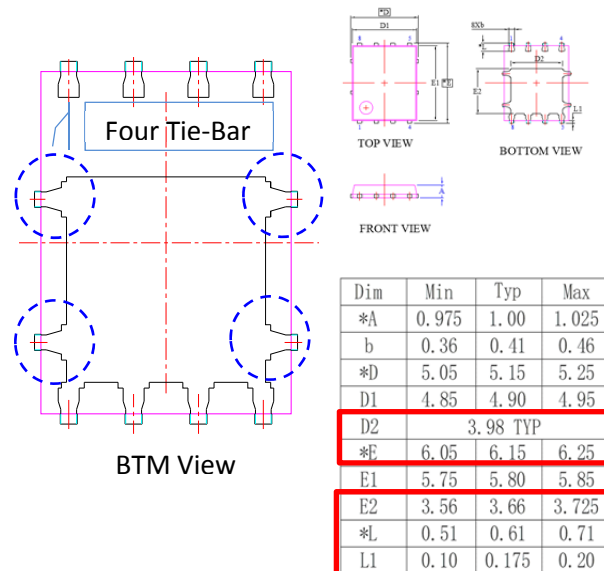
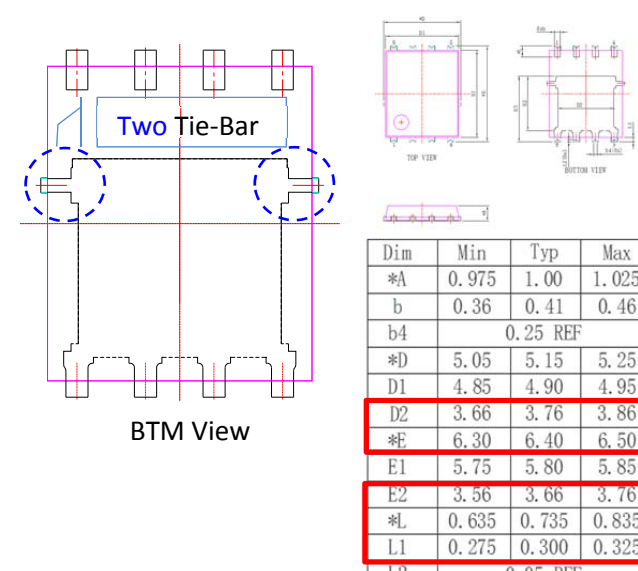
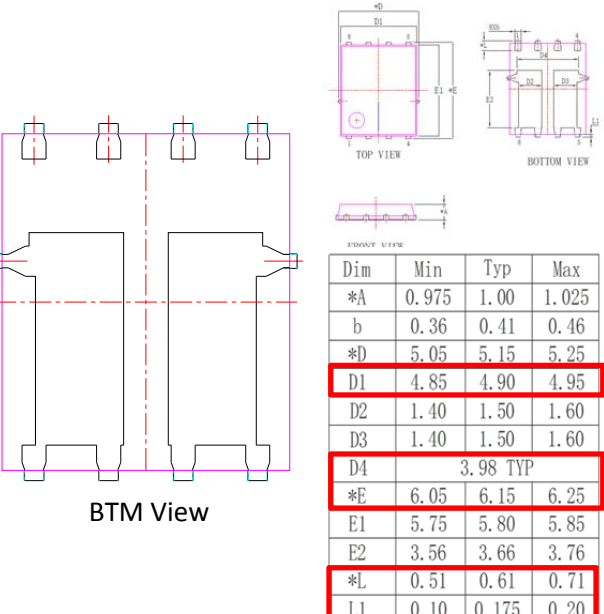
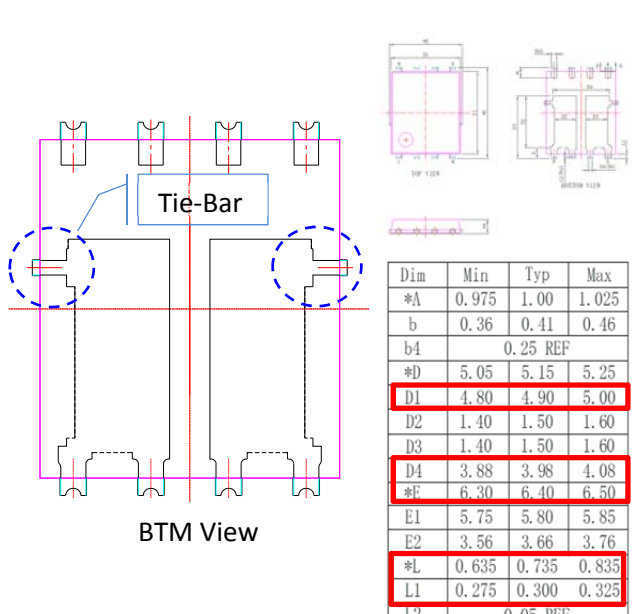
| <b>SAT (Diodes Internal AT site Shanghai, China)</b>             |                   | <b>CAT (Diodes Internal AT Site Chengdu, China)<br/>Change from YM to YWX for CAT site</b> |                   |
|--|-------------------|--|-------------------|
| Marking orientation (Planform, Perspective - Planform to bottom) |                   | Marking orientation (Planform, Perspective - Planform to bottom)                           |                   |
| <b>1. DFN3030-8</b>  |                   | <b>1. DFN3030-8</b>  |                   |
| (Planform)   | (Perspective)     | (Planform)   | (Perspective)     |
| <b>2. DFN3030H-8 / DFN3030M-8</b>                                |                   | <b>2. DFN3030H-8 / DFN3030M-8</b>  |                   |
| (Planform)   | (Perspective)     | (Planform)   | (Perspective)     |
| <b>3. DFN3030J-8</b>   |                   | <b>3. DFN3030J-8</b>   |                   |
| (Planform)   | (Perspective)     | (Planform)   | (Perspective)     |
| <b>4. DFN3030K-8</b>   |                   | <b>4. DFN3030K-8</b>   |                   |
| (Planform)   | (Perspective)     | (Planform)   | (Perspective)     |
| <b>5. DFN3030Q-8</b>   |                   | <b>5. DFN3030Q-8</b>   |                   |
| (Planform)   | (Perspective)     | (Planform)   | (Perspective)     |
| <b>6. DFN3030N-8</b>   |                   | <b>6. DFN3030N-8</b>   |                   |
| (Planform)   | N/A (Perspective) | (Planform)   | N/A (Perspective) |
| <b>7. DFN3030R-8</b>   |                   | <b>7. DFN3030R-8</b>   |                   |
| (Planform)   | (Perspective)     | (Planform)   | (Perspective)     |
| <b>8. DFN3030B-6</b>   |                   | <b>8. DFN3030B-6</b>   |                   |
| (Planform)   | (Perspective)     | (Planform)   | (Perspective)     |
| <b>9. DFN3030B-12</b>  |                   | <b>9. DFN3030B-12</b>  |                   |
| (Planform)   | (Perspective)     | (Planform)   | (Perspective)     |

|   |  |  |  |
|---|--|--|--|
| <br>(Planform) | <br>(Perspective) | <br>(Planform) | <br>(Perspective) |
|---|--|--|--|

**DFN1010**

| <b>SAT (Diodes Internal AT site Shanghai, China)</b>  |  | <b>CAT (Diodes Internal AT Site Chengdu, China)</b>   |  |
|---|--|---|--|
| Marking orientation photo(plan form, perspective - from Planform to bottom)                       |  | Marking orientation photo(plan form, perspective - from Planform to bottom)                       |  |
| <b>DFN1010H4-4</b>  |  | <b>DFN1010H4-4</b>  |  |
| 1. Marking has date code  |  | 1. Marking has date code  |  |
| <br>(Planform)   | <br>(Perspective)   | <br>(Planform)   | <br>(Perspective)   |
| <b>DFN1010H4-6</b>  |  | <b>DFN1010H4-6 DFN1010H4-6</b>  |  |
| 1. Marking has date code  |  | 1. Marking has date code  |  |
| <br>(Planform)   | <br>(Perspective)   | <br>(Planform)   | <br>(Perspective)   |
| <b>DFN1010H4B-4</b>   |  | <b>DFN1010H4B-4</b>   |  |
| 1. Marking has date code  |  | 1. Marking has date code  |  |
| <br>(Planform)  | <br>(Perspective)  | <br>(Planform)  | <br>(Perspective)  |
| <b>DFN1010H4-3</b>  |  | <b>DFN1010H4-3</b>  |  |
| 1. Marking has date code  |  | 1. Marking has date code  |  |
| <br>(Planform) | <br>(Perspective) | <br>(Planform) | <br>(Perspective) |

**Table 7 – Package Outline Dimensions (POD) Change for PowerDI5060-8L**

| <b>SAT</b>   | <b>CAT</b>  |          |       |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
|--|---|----------|-------|-----|----|-------|------|-------|---|------|------|------|----|------|------|------|----|------|------|------|----|------|----------|------|----|------|------|------|----|------|----------|------|----|------|------|-------|----|------|------|------|----|------|-------|------|--|------|------|------|-----|------|-------|------|--|-----|------|------|------|----|-------|----------|-------|----|------|------|------|----|------|----------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|-------|-------|-------|----|-------|-------|-------|----|------|----------|------|----|------|------|------|----|-------|-------|-------|----|-------|-------|-------|----|--|----------|--|
| <b>PowerDI5060-8L Type<br/>(Without wettable flank)</b>  | <b>SWP-PoweDI5060-8L Q Type<br/>(With wettable flank)</b> |          |       |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| Base line: SAT exist POD design  | Change from four tie-bars to two tie-bars                 |          |       |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
|  <p align="center"><b>Four Tie-Bar</b></p> <p align="center">BTM View</p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Typ</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>*A</td> <td>0.975</td> <td>1.00</td> <td>1.025</td> </tr> <tr> <td>b</td> <td>0.36</td> <td>0.41</td> <td>0.46</td> </tr> <tr> <td>*D</td> <td>5.05</td> <td>5.15</td> <td>5.25</td> </tr> <tr> <td>D1</td> <td>4.85</td> <td>4.90</td> <td>4.95</td> </tr> <tr> <td>D2</td> <td></td> <td>3.98 TYP</td> <td></td> </tr> <tr> <td>*F</td> <td>6.05</td> <td>6.15</td> <td>6.25</td> </tr> <tr> <td>E1</td> <td>5.75</td> <td>5.80</td> <td>5.85</td> </tr> <tr> <td>E2</td> <td>3.56</td> <td>3.66</td> <td>3.725</td> </tr> <tr> <td>*L</td> <td>0.51</td> <td>0.61</td> <td>0.71</td> </tr> <tr> <td>L1</td> <td>0.10</td> <td>0.175</td> <td>0.20</td> </tr> </tbody> </table>   | Dim   | Min      | Typ   | Max | *A | 0.975 | 1.00 | 1.025 | b | 0.36 | 0.41 | 0.46 | *D | 5.05 | 5.15 | 5.25 | D1 | 4.85 | 4.90 | 4.95 | D2 |      | 3.98 TYP |      | *F | 6.05 | 6.15 | 6.25 | E1 | 5.75 | 5.80     | 5.85 | E2 | 3.56 | 3.66 | 3.725 | *L | 0.51 | 0.61 | 0.71 | L1 | 0.10 | 0.175 | 0.20 |  <p align="center"><b>Two Tie-Bar</b></p> <p align="center">BTM View</p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Typ</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>*A</td> <td>0.975</td> <td>1.00</td> <td>1.025</td> </tr> <tr> <td>b</td> <td>0.36</td> <td>0.41</td> <td>0.46</td> </tr> <tr> <td>b4</td> <td></td> <td>0.25 REF</td> <td></td> </tr> <tr> <td>*D</td> <td>5.05</td> <td>5.15</td> <td>5.25</td> </tr> <tr> <td>D1</td> <td>4.85</td> <td>4.90</td> <td>4.95</td> </tr> <tr> <td>D2</td> <td>3.66</td> <td>3.76</td> <td>3.86</td> </tr> <tr> <td>*E</td> <td>6.30</td> <td>6.40</td> <td>6.50</td> </tr> <tr> <td>E1</td> <td>5.75</td> <td>5.80</td> <td>5.85</td> </tr> <tr> <td>E2</td> <td>3.56</td> <td>3.66</td> <td>3.76</td> </tr> <tr> <td>*L</td> <td>0.635</td> <td>0.735</td> <td>0.835</td> </tr> <tr> <td>L1</td> <td>0.275</td> <td>0.300</td> <td>0.325</td> </tr> <tr> <td>L2</td> <td></td> <td>0.05 REF</td> <td></td> </tr> </tbody> </table> | Dim  | Min  | Typ  | Max | *A   | 0.975 | 1.00 | 1.025  | b   | 0.36 | 0.41 | 0.46 | b4 |       | 0.25 REF |       | *D | 5.05 | 5.15 | 5.25 | D1 | 4.85 | 4.90     | 4.95 | D2 | 3.66 | 3.76 | 3.86 | *E | 6.30 | 6.40 | 6.50 | E1 | 5.75 | 5.80 | 5.85 | E2 | 3.56 | 3.66 | 3.76 | *L | 0.635 | 0.735 | 0.835 | L1 | 0.275 | 0.300 | 0.325 | L2 |      | 0.05 REF |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| Dim  | Min   | Typ      | Max   |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *A   | 0.975   | 1.00     | 1.025 |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| b  | 0.36  | 0.41     | 0.46  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *D   | 5.05  | 5.15     | 5.25  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D1   | 4.85  | 4.90     | 4.95  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D2   |   | 3.98 TYP |       |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *F   | 6.05  | 6.15     | 6.25  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| E1   | 5.75  | 5.80     | 5.85  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| E2   | 3.56  | 3.66     | 3.725 |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *L   | 0.51  | 0.61     | 0.71  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| L1   | 0.10  | 0.175    | 0.20  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| Dim  | Min   | Typ      | Max   |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *A   | 0.975   | 1.00     | 1.025 |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| b  | 0.36  | 0.41     | 0.46  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| b4   |   | 0.25 REF |       |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *D   | 5.05  | 5.15     | 5.25  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D1   | 4.85  | 4.90     | 4.95  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D2   | 3.66  | 3.76     | 3.86  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *E   | 6.30  | 6.40     | 6.50  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| E1   | 5.75  | 5.80     | 5.85  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| E2   | 3.56  | 3.66     | 3.76  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *L   | 0.635   | 0.735    | 0.835 |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| L1   | 0.275   | 0.300    | 0.325 |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| L2   |   | 0.05 REF |       |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| <b>PowerDI5060-8L E Type<br/>(Without wettable flank)</b>  | <b>SWP-PoweDI5060-8L R Type<br/>(With wettable flank)</b> |          |       |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| Base line: SAT exist POD design  | Different tie-bar shape                                   |          |       |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
|  <p align="center"><b>BTM View</b></p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Typ</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>*A</td> <td>0.975</td> <td>1.00</td> <td>1.025</td> </tr> <tr> <td>b</td> <td>0.36</td> <td>0.41</td> <td>0.46</td> </tr> <tr> <td>*D</td> <td>5.05</td> <td>5.15</td> <td>5.25</td> </tr> <tr> <td>D1</td> <td>4.85</td> <td>4.90</td> <td>4.95</td> </tr> <tr> <td>D2</td> <td>1.40</td> <td>1.50</td> <td>1.60</td> </tr> <tr> <td>D3</td> <td>1.40</td> <td>1.50</td> <td>1.60</td> </tr> <tr> <td>D4</td> <td></td> <td>3.98 TYP</td> <td></td> </tr> <tr> <td>*E</td> <td>6.05</td> <td>6.15</td> <td>6.25</td> </tr> <tr> <td>E1</td> <td>5.75</td> <td>5.80</td> <td>5.85</td> </tr> <tr> <td>E2</td> <td>3.56</td> <td>3.66</td> <td>3.76</td> </tr> <tr> <td>*L</td> <td>0.51</td> <td>0.61</td> <td>0.71</td> </tr> <tr> <td>L1</td> <td>0.10</td> <td>0.175</td> <td>0.20</td> </tr> </tbody> </table> | Dim   | Min      | Typ   | Max | *A | 0.975 | 1.00 | 1.025 | b | 0.36 | 0.41 | 0.46 | *D | 5.05 | 5.15 | 5.25 | D1 | 4.85 | 4.90 | 4.95 | D2 | 1.40 | 1.50     | 1.60 | D3 | 1.40 | 1.50 | 1.60 | D4 |      | 3.98 TYP |      | *E | 6.05 | 6.15 | 6.25  | E1 | 5.75 | 5.80 | 5.85 | E2 | 3.56 | 3.66  | 3.76 | *L   | 0.51 | 0.61 | 0.71 | L1  | 0.10 | 0.175 | 0.20 |  <p align="center"><b>Tie-Bar</b></p> <p align="center">BTM View</p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Typ</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>*A</td> <td>0.975</td> <td>1.00</td> <td>1.025</td> </tr> <tr> <td>b</td> <td>0.36</td> <td>0.41</td> <td>0.46</td> </tr> <tr> <td>b4</td> <td></td> <td>0.25 REF</td> <td></td> </tr> <tr> <td>*D</td> <td>5.05</td> <td>5.15</td> <td>5.25</td> </tr> <tr> <td>D1</td> <td>4.80</td> <td>4.90</td> <td>5.00</td> </tr> <tr> <td>D2</td> <td>1.40</td> <td>1.50</td> <td>1.60</td> </tr> <tr> <td>D3</td> <td>1.40</td> <td>1.50</td> <td>1.60</td> </tr> <tr> <td>D4</td> <td>3.88</td> <td>3.98</td> <td>4.08</td> </tr> <tr> <td>*E</td> <td>6.30</td> <td>6.40</td> <td>6.50</td> </tr> <tr> <td>E1</td> <td>5.75</td> <td>5.80</td> <td>5.85</td> </tr> <tr> <td>E2</td> <td>3.56</td> <td>3.66</td> <td>3.76</td> </tr> <tr> <td>*L</td> <td>0.635</td> <td>0.735</td> <td>0.835</td> </tr> <tr> <td>L1</td> <td>0.275</td> <td>0.300</td> <td>0.325</td> </tr> <tr> <td>L2</td> <td></td> <td>0.05 REF</td> <td></td> </tr> </tbody> </table> | Dim | Min  | Typ  | Max  | *A | 0.975 | 1.00     | 1.025 | b  | 0.36 | 0.41 | 0.46 | b4 |      | 0.25 REF |      | *D | 5.05 | 5.15 | 5.25 | D1 | 4.80 | 4.90 | 5.00 | D2 | 1.40 | 1.50 | 1.60 | D3 | 1.40 | 1.50 | 1.60 | D4 | 3.88  | 3.98  | 4.08  | *E | 6.30  | 6.40  | 6.50  | E1 | 5.75 | 5.80     | 5.85 | E2 | 3.56 | 3.66 | 3.76 | *L | 0.635 | 0.735 | 0.835 | L1 | 0.275 | 0.300 | 0.325 | L2 |  | 0.05 REF |  |
| Dim  | Min   | Typ      | Max   |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *A   | 0.975   | 1.00     | 1.025 |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| b  | 0.36  | 0.41     | 0.46  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *D   | 5.05  | 5.15     | 5.25  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D1   | 4.85  | 4.90     | 4.95  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D2   | 1.40  | 1.50     | 1.60  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D3   | 1.40  | 1.50     | 1.60  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D4   |   | 3.98 TYP |       |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *E   | 6.05  | 6.15     | 6.25  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| E1   | 5.75  | 5.80     | 5.85  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| E2   | 3.56  | 3.66     | 3.76  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *L   | 0.51  | 0.61     | 0.71  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| L1   | 0.10  | 0.175    | 0.20  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| Dim  | Min   | Typ      | Max   |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *A   | 0.975   | 1.00     | 1.025 |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| b  | 0.36  | 0.41     | 0.46  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| b4   |   | 0.25 REF |       |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *D   | 5.05  | 5.15     | 5.25  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D1   | 4.80  | 4.90     | 5.00  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D2   | 1.40  | 1.50     | 1.60  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D3   | 1.40  | 1.50     | 1.60  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| D4   | 3.88  | 3.98     | 4.08  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *E   | 6.30  | 6.40     | 6.50  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| E1   | 5.75  | 5.80     | 5.85  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| E2   | 3.56  | 3.66     | 3.76  |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| *L   | 0.635   | 0.735    | 0.835 |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| L1   | 0.275   | 0.300    | 0.325 |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |
| L2   |   | 0.05 REF |       |     |    |       |      |       |   |      |      |      |    |      |      |      |    |      |      |      |    |      |          |      |    |      |      |      |    |      |          |      |    |      |      |       |    |      |      |      |    |      |       |      |  |      |      |      |     |      |       |      |  |     |      |      |      |    |       |          |       |    |      |      |      |    |      |          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |       |       |    |       |       |       |    |      |          |      |    |      |      |      |    |       |       |       |    |       |       |       |    |  |          |  |