



DATE: 25th March, 2019

PCN #: 2403

PCN Title: Qualification of Additional Wafer Solderable Front Metal Plating, Back Grinding and Back Metal Process Source, Additional Wafer Source, or Additional Assembly and Test site for Select Products

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. If you require samples for evaluation purposes, please make a request within 30 days as well. Otherwise, samples may not be built prior to this change. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

The changes announced in this PCN will not be implemented earlier than 90 days from the notification date stated in the attached PCN form.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team



PRODUCT CHANGE NOTICE

PCN-2403 REV 1

| Notification Date: | Implementation Date: | Product Family: | Change Type: | PCN #: |
|--|---|-------------------------|---|---------------|
| 25 th March, 2019 | 24 th June, 2019 | Discrete Semiconductors | Additional Solderable Front Metal Plating, Back Grinding and Back Metal Process Source, Wafer Source, or A/T site | 2403 |
| TITLE | | | | |
| Qualification of Additional Wafer Solderable Front Metal Plating, Back Grinding and Back Metal Process Source, Additional Wafer Source, or Additional Assembly and Test site for Select Products | | | | |
| DESCRIPTION OF CHANGE | | | | |
| <p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes Incorporated has qualified "Diodes Technology (Cheng Du) Company Limited" (CAT) located in Chengdu, China as an additional wafer solderable front metal plating, back grinding and back metal process facility for select products.</p> <p>We also qualified "Diodes internal BCD (Shanghai) Micro-Electronics Limited" (SFAB2) in China as an additional wafer source, "Tianshui Huatian Electronic Group Co., Ltd." (HTME) in China or "Tianshui Huatain Technology Co., Ltd." (TSHT) in China as the additional assembly and test site for select products listed in different tables below.</p> <p>The package outline dimensions (POD), marking and/or appearance is different on the parts made by HTME and TSHT for SO-8, TO-263AB, TO252 and PowerDI5060 packages. Please refer to the details with different options below.</p> <p>Full electrical characterization and high reliability testing has been completed on representative part numbers to ensure there is no change to device functionality or electrical specifications in the datasheet. Refer to the attached qualification / reliability report (embedded in this file).</p> | | | | |
| IMPACT | | | | |
| Continuity of Supply. No change in datasheet parameters or product performance | | | | |
| PRODUCTS AFFECTED | | | | |
| Table 1 – Affected Part List to add CAT as the additional wafer back grinding and back metal process facility Table 2 – Affected Part List to add CAT as the additional wafer solderable front metal plating, back grinding and back metal process facility Table 3 – Affected Part List to add SFAB2 as the additional wafer source Table 4 – Affected Part List to add HTME as the additional A/T Site Table 5 – Affected Part List to add TSHT as the additional A/T Site | | | | |
| WEB LINKS | | | | |
| Manufacturer's Notice: | https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/ | | | |
| For More Information Contact: | http://www.diodes.com/contacts | | | |
| Data Sheet: | http://www.diodes.com/products | | | |
| DISCLAIMER | | | | |
| 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. | | | | |

Table 1: Affected Part List to add CAT as the additional wafer back grinding and back metal process facility

| | | | | | |
|--------------|---------------|---------------|---------------|---------------|-----------------|
| 2N7002-13-F | 2N7002W-7-F | DMN10H220L-7 | DMN3033LSD-13 | DMN601DMK-7 | DMN65D8LW-7 |
| 2N7002-7-F | BSS138-13-F | DMN2004DMK-7 | DMN3042L-7 | DMN601DWK-7 | DMN66D0LDW-7 |
| 2N7002A-13 | BSS138-7-F | DMN2004DWK-7 | DMN3404L-7 | DMN601K-7 | DMT10H010LSS-13 |
| 2N7002A-7 | BSS138DW-7-F | DMN2004K-7 | DMN4060SVT-7 | DMN6040SSD-13 | DMT10H025SSS-13 |
| 2N7002DW-7-F | DMC2038LVT-7 | DMN2029USD-13 | DMN53D0L-13 | DMN6040SVT-7 | DMT6009LSS-13 |
| 2N7002E-7-F | DMG3402L-7 | DMN3015LSD-13 | DMN53D0L-7 | DMN6070SSD-13 | DMT69M8LFV-13 |
| 2N7002K-13 | DMG6402LVT-7 | DMN3016LSS-13 | DMN53D0LDW-7 | DMN65D8L-7 | DMT69M8LFV-7 |
| 2N7002K-7 | DMG9926USD-13 | DMN3033LDM-7 | DMN53D0LW-7 | DMN65D8LDW-7 | |

Table 2 – Affected Part List to add CAT as the additional wafer solderable front metal plating, back grinding and back metal process facility

| | | | | | |
|---------------|---------------|----------------|---------------|---------------|--------------|
| DMP2005UFG-13 | DMP3007SFG-13 | DMT10H015LFG-7 | DMT32M5LFG-13 | DMT6007LFG-13 | DMT6007LFG-7 |
| DMP2005UFG-7 | DMP3007SFG-7 | DMT3003LFG-7 | DMT32M5LFG-7 | | |

Table 3 – Affected Part List to add SFAB2 as the alternate wafer source

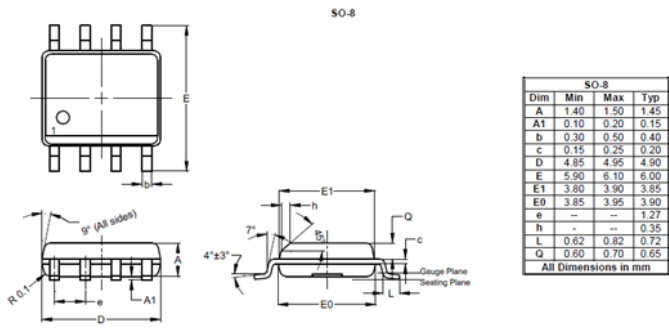
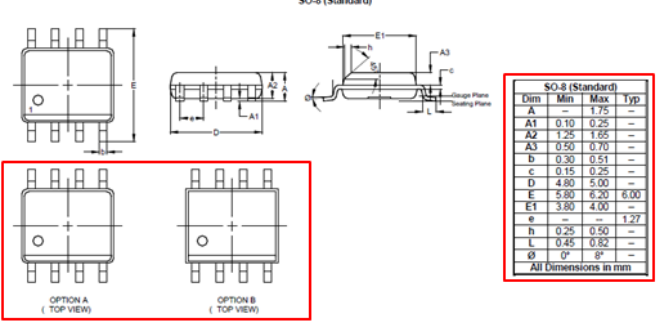
| | | | | | |
|--------------|---------------|--|--|--|--|
| SDT10A45P5-7 | SDT10A45P5-13 | | | | |
|--------------|---------------|--|--|--|--|

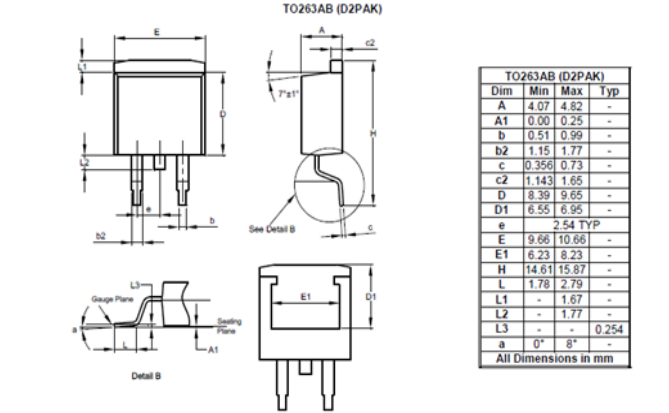
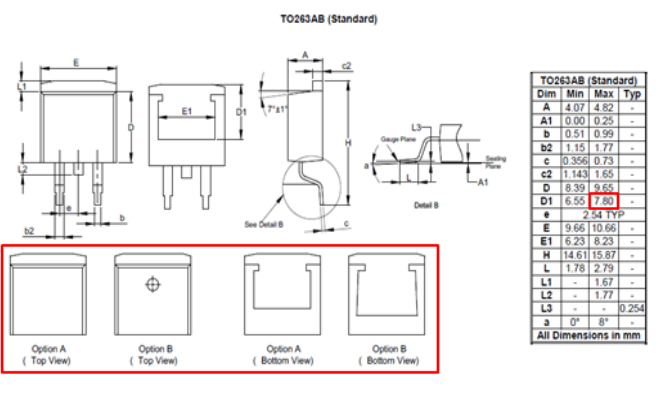
Table 4 – Affected Part List to add HTME as the additional A/T Site

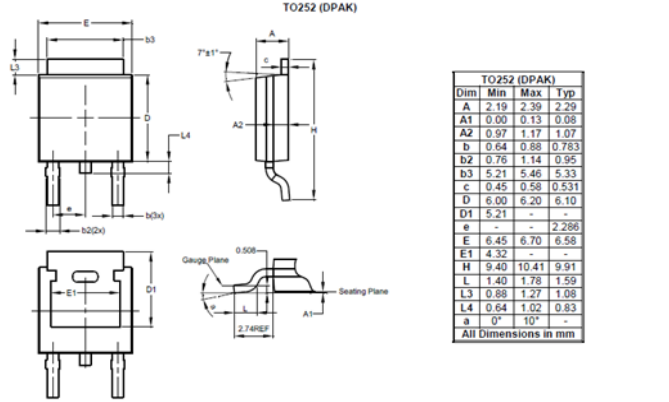
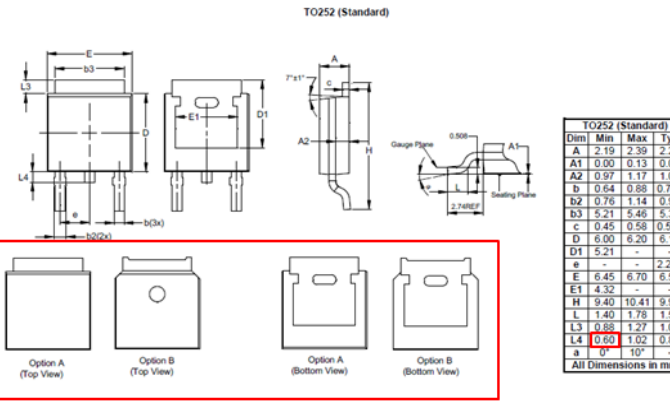
| | | | | | |
|------------------|-----------------|-------------------|------------------|-----------------|----------------|
| DMN10H099SK3-13 | DMNH6042SPS-13 | DMT34M2LPS-13 | DMTH10H010LPS-13 | DMTH4005SK3-13 | DMTH6004SPS-13 |
| DMN3009SK3-13 | DMT10H010LK3-13 | DMT36M1LPS-13 | DMTH10H010SPS-13 | DMTH4005SPS-13 | DMTH6005LK3-13 |
| DMN3010LK3-13 | DMT10H010LPS-13 | DMT4004LPS-13 | DMTH10H015LK3-13 | DMTH4007LK3-13 | DMTH6005LPS-13 |
| DMN4010LK3-13 | DMT10H010SPS-13 | DMT6004LPS-13 | DMTH10H015LPS-13 | DMTH4007LPS-13 | DMTH6009LK3-13 |
| DMN6017SK3-13 | DMT10H015LK3-13 | DMT6004SPS-13 | DMTH10H025SK3-13 | DMTH4007SK3-13 | DMTH6010LK3-13 |
| DMNH10H028SK3-13 | DMT10H015LPS-13 | DMT6005LPS-13 | DMTH3004LK3-13 | DMTH4007SPS-13 | DMTH6010LPS-13 |
| DMNH10H028SPS-13 | DMT10H015SK3-13 | DMT6009LK3-13 | DMTH3004LPS-13 | DMTH4008LPS-13 | DMTH6010SK3-13 |
| DMNH3010LK3-13 | DMT10H025LK3-13 | DMT6010LPS-13 | DMTH4004LK3-13 | DMTH43M8LPS-13 | DMTH6016LK3-13 |
| DMNH4006SK3-13 | DMT10H025SK3-13 | DMT8012LK3-13 | DMTH4004LPS-13 | DMTH6004LPS-13 | DMTH6016LPS-13 |
| DMNH6011LK3-13 | DMT2004UPS-13 | DMT8012LPS-13 | DMTH4004SCTB-13 | DMTH6004SCTB-13 | DMTH8012LK3-13 |
| DMNH6012SPS-13 | DMT3004LPS-13 | DMTH10H010LCTB-13 | DMTH4004SPS-13 | DMTH6004SK3-13 | DMTH8012LPS-13 |
| DMNH6021SK3-13 | DMT34M1LPS-13 | | | | |

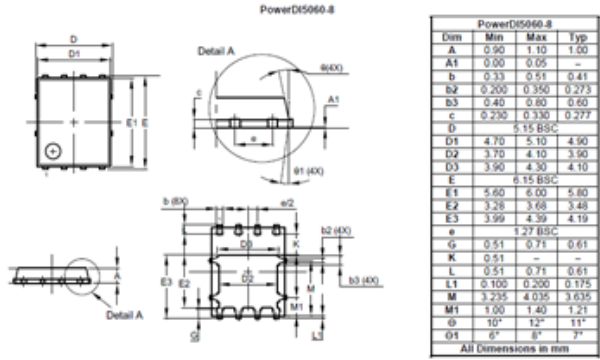
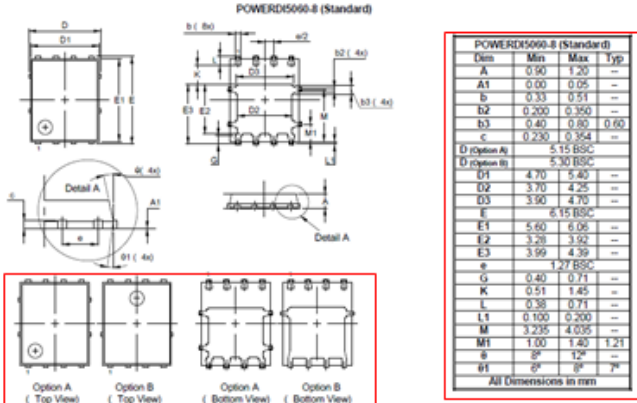
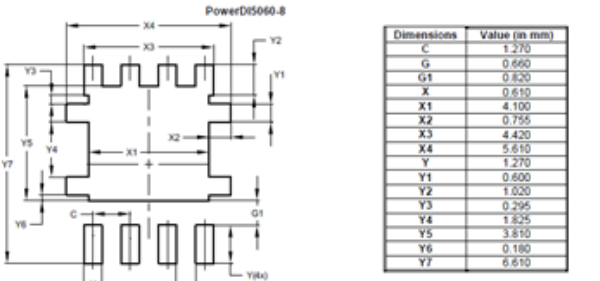
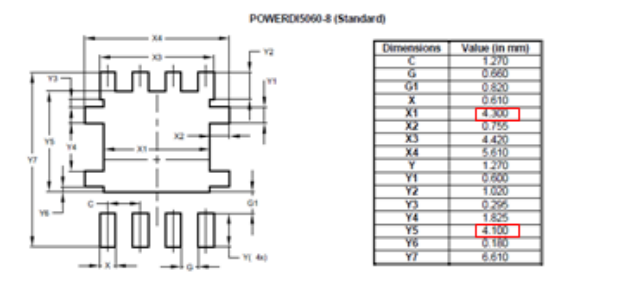
Table 5 – Affected Part List to add TSHT as the additional A/T Site

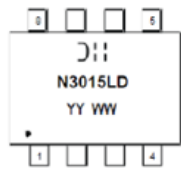
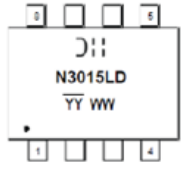
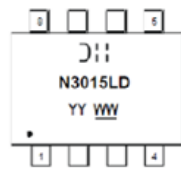
| | | | | | |
|----------------|---------------|---------------|---------------|---------------|-----------------|
| DMC3016LSD-13 | DMC4015SSD-13 | DMN3024LSD-13 | DMN6066SSD-13 | DMP3085LSD-13 | DMP6050SSD-13 |
| DMC3021LSD-13 | DMC4028SSD-13 | DMN4026SSD-13 | DMP2040USD-13 | DMP3098LSD-13 | DMP6110SSD-13 |
| DMC3025LSD-13 | DMC4029SSD-13 | DMN4027SSD-13 | DMP3028LSD-13 | DMP4047SSD-13 | DMT10H014LSS-13 |
| DMC3028LSD-13 | DMC4047LSD-13 | DMN4034SSD-13 | DMP3036SSD-13 | DMP4050SSD-13 | DMT10H015LSS-13 |
| DMC3028LSDX-13 | DMC6040SSD-13 | DMN6022SSD-13 | DMP3056LSD-13 | | |

| From : Current POD listed in the device datasheet | Change To : Combined POD will be listed in the device datasheet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------|------|-----|---|------|------|------|----|------|------|------|---|------|------|------|---|------|------|------|---|------|------|------|---|------|------|------|----|------|------|------|---|------|------|------|---|---|---|------|---|------|------|------|---|------|------|------|---|-----|-----|-----|-----|---|---|------|---|----|------|------|---|----|------|------|---|----|------|------|---|---|------|------|---|---|------|------|---|---|------|------|---|---|------|------|------|----|------|------|---|---|---|---|------|---|------|------|---|---|------|------|---|---|------|------|---|
| Baseline POD (Diodes internal Shanghai and Chengdu Assembly & Test Site (SAT/CAT)) | Combined POD (SAT/CAT + TSHT) covers baseline's POD. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baseline SO-8 | Combined SO-8: Option A (SAT/CAT-Baseline) + Option B (TSHT) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>SO-8 (Standard)</p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> <th>Typ</th> </tr> </thead> <tbody> <tr><td>A</td><td>1.40</td><td>1.50</td><td>1.45</td></tr> <tr><td>A1</td><td>0.10</td><td>0.20</td><td>0.15</td></tr> <tr><td>b</td><td>0.30</td><td>0.50</td><td>0.40</td></tr> <tr><td>c</td><td>0.15</td><td>0.25</td><td>0.20</td></tr> <tr><td>D</td><td>4.85</td><td>4.95</td><td>4.90</td></tr> <tr><td>E</td><td>5.90</td><td>6.10</td><td>6.00</td></tr> <tr><td>E1</td><td>3.80</td><td>3.90</td><td>3.85</td></tr> <tr><td>e</td><td>3.85</td><td>3.95</td><td>3.90</td></tr> <tr><td>h</td><td>-</td><td>-</td><td>1.27</td></tr> <tr><td>L</td><td>0.62</td><td>0.82</td><td>0.72</td></tr> <tr><td>Q</td><td>0.60</td><td>0.70</td><td>0.55</td></tr> </tbody> </table> <p>All Dimensions in mm</p> | Dim | Min | Max | Typ | A | 1.40 | 1.50 | 1.45 | A1 | 0.10 | 0.20 | 0.15 | b | 0.30 | 0.50 | 0.40 | c | 0.15 | 0.25 | 0.20 | D | 4.85 | 4.95 | 4.90 | E | 5.90 | 6.10 | 6.00 | E1 | 3.80 | 3.90 | 3.85 | e | 3.85 | 3.95 | 3.90 | h | - | - | 1.27 | L | 0.62 | 0.82 | 0.72 | Q | 0.60 | 0.70 | 0.55 |  <p>SO-8 (Standard)</p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> <th>Typ</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>1.75</td><td>-</td></tr> <tr><td>A1</td><td>0.10</td><td>0.25</td><td>-</td></tr> <tr><td>A2</td><td>1.25</td><td>1.65</td><td>-</td></tr> <tr><td>A3</td><td>0.50</td><td>0.70</td><td>-</td></tr> <tr><td>b</td><td>0.30</td><td>0.51</td><td>-</td></tr> <tr><td>c</td><td>0.15</td><td>0.25</td><td>-</td></tr> <tr><td>D</td><td>4.80</td><td>5.00</td><td>-</td></tr> <tr><td>E</td><td>5.80</td><td>6.20</td><td>6.00</td></tr> <tr><td>E1</td><td>3.80</td><td>4.20</td><td>-</td></tr> <tr><td>e</td><td>-</td><td>-</td><td>1.27</td></tr> <tr><td>h</td><td>0.25</td><td>0.50</td><td>-</td></tr> <tr><td>L</td><td>0.45</td><td>0.82</td><td>-</td></tr> <tr><td>Q</td><td>0.60</td><td>0.70</td><td>-</td></tr> </tbody> </table> <p>All Dimensions in mm</p> | Dim | Min | Max | Typ | A | - | 1.75 | - | A1 | 0.10 | 0.25 | - | A2 | 1.25 | 1.65 | - | A3 | 0.50 | 0.70 | - | b | 0.30 | 0.51 | - | c | 0.15 | 0.25 | - | D | 4.80 | 5.00 | - | E | 5.80 | 6.20 | 6.00 | E1 | 3.80 | 4.20 | - | e | - | - | 1.27 | h | 0.25 | 0.50 | - | L | 0.45 | 0.82 | - | Q | 0.60 | 0.70 | - |
| Dim | Min | Max | Typ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 1.40 | 1.50 | 1.45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1 | 0.10 | 0.20 | 0.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 0.30 | 0.50 | 0.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c | 0.15 | 0.25 | 0.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 4.85 | 4.95 | 4.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 5.90 | 6.10 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E1 | 3.80 | 3.90 | 3.85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e | 3.85 | 3.95 | 3.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| h | - | - | 1.27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | 0.62 | 0.82 | 0.72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q | 0.60 | 0.70 | 0.55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dim | Min | Max | Typ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | - | 1.75 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1 | 0.10 | 0.25 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2 | 1.25 | 1.65 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A3 | 0.50 | 0.70 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 0.30 | 0.51 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c | 0.15 | 0.25 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 4.80 | 5.00 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 5.80 | 6.20 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E1 | 3.80 | 4.20 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e | - | - | 1.27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| h | 0.25 | 0.50 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | 0.45 | 0.82 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q | 0.60 | 0.70 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| From : Current POD listed in the device datasheet | Change To : Combined POD will be listed in the device datasheet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------|-------|-----|---|------|------|---|----|------|------|---|---|------|------|---|----|------|------|---|---|-------|------|---|----|-------|------|---|---|------|------|---|----|------|------|---|---|---|----------|---|---|------|-------|---|----|------|------|---|---|-------|-------|---|---|------|------|---|----|---|------|---|----|---|------|---|----|---|---|-------|---|----|----|---|--|-----|-----|-----|-----|---|------|------|---|----|------|------|---|---|------|------|---|----|------|------|---|---|-------|------|---|----|-------|------|---|---|------|------|---|----|------|------|---|---|---|----------|---|---|------|-------|---|----|------|------|---|---|-------|-------|---|---|------|------|---|----|---|------|---|----|---|------|---|----|---|---|-------|---|----|----|---|
| Baseline POD (Diodes internal Shanghai Assembly & Test Site (SAT)) | Combined POD (SAT + HTME) remains the same, except Dim D1. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baseline TO263AB | Combined TO263AB: Option A (SAT-Baseline) + Option B (HTME) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>TO263AB (D2PAK)</p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> <th>Typ</th> </tr> </thead> <tbody> <tr><td>A</td><td>4.07</td><td>4.82</td><td>-</td></tr> <tr><td>A1</td><td>0.00</td><td>0.25</td><td>-</td></tr> <tr><td>b</td><td>0.51</td><td>0.99</td><td>-</td></tr> <tr><td>b2</td><td>1.15</td><td>1.77</td><td>-</td></tr> <tr><td>c</td><td>0.356</td><td>0.73</td><td>-</td></tr> <tr><td>c2</td><td>1.143</td><td>1.65</td><td>-</td></tr> <tr><td>D</td><td>8.39</td><td>9.65</td><td>-</td></tr> <tr><td>D1</td><td>6.55</td><td>6.95</td><td>-</td></tr> <tr><td>e</td><td>-</td><td>2.54 TYP</td><td>-</td></tr> <tr><td>E</td><td>9.66</td><td>10.66</td><td>-</td></tr> <tr><td>E1</td><td>6.23</td><td>8.23</td><td>-</td></tr> <tr><td>H</td><td>14.61</td><td>15.87</td><td>-</td></tr> <tr><td>L</td><td>1.78</td><td>2.79</td><td>-</td></tr> <tr><td>L1</td><td>-</td><td>1.67</td><td>-</td></tr> <tr><td>L2</td><td>-</td><td>1.77</td><td>-</td></tr> <tr><td>L3</td><td>-</td><td>-</td><td>0.254</td></tr> <tr><td>a</td><td>0°</td><td>8°</td><td>-</td></tr> </tbody> </table> <p>All Dimensions in mm</p> | Dim | Min | Max | Typ | A | 4.07 | 4.82 | - | A1 | 0.00 | 0.25 | - | b | 0.51 | 0.99 | - | b2 | 1.15 | 1.77 | - | c | 0.356 | 0.73 | - | c2 | 1.143 | 1.65 | - | D | 8.39 | 9.65 | - | D1 | 6.55 | 6.95 | - | e | - | 2.54 TYP | - | E | 9.66 | 10.66 | - | E1 | 6.23 | 8.23 | - | H | 14.61 | 15.87 | - | L | 1.78 | 2.79 | - | L1 | - | 1.67 | - | L2 | - | 1.77 | - | L3 | - | - | 0.254 | a | 0° | 8° | - |  <p>TO263AB (Standard)</p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> <th>Typ</th> </tr> </thead> <tbody> <tr><td>A</td><td>4.07</td><td>4.82</td><td>-</td></tr> <tr><td>A1</td><td>0.00</td><td>0.25</td><td>-</td></tr> <tr><td>b</td><td>0.51</td><td>0.99</td><td>-</td></tr> <tr><td>b2</td><td>1.15</td><td>1.77</td><td>-</td></tr> <tr><td>c</td><td>0.356</td><td>0.73</td><td>-</td></tr> <tr><td>c2</td><td>1.143</td><td>1.65</td><td>-</td></tr> <tr><td>D</td><td>8.39</td><td>9.65</td><td>-</td></tr> <tr><td>D1</td><td>6.55</td><td>7.80</td><td>-</td></tr> <tr><td>e</td><td>-</td><td>2.54 TYP</td><td>-</td></tr> <tr><td>E</td><td>9.66</td><td>10.66</td><td>-</td></tr> <tr><td>E1</td><td>6.23</td><td>8.23</td><td>-</td></tr> <tr><td>H</td><td>14.61</td><td>15.87</td><td>-</td></tr> <tr><td>L</td><td>1.78</td><td>2.79</td><td>-</td></tr> <tr><td>L1</td><td>-</td><td>1.67</td><td>-</td></tr> <tr><td>L2</td><td>-</td><td>1.77</td><td>-</td></tr> <tr><td>L3</td><td>-</td><td>-</td><td>0.254</td></tr> <tr><td>a</td><td>0°</td><td>8°</td><td>-</td></tr> </tbody> </table> <p>All Dimensions in mm</p> | Dim | Min | Max | Typ | A | 4.07 | 4.82 | - | A1 | 0.00 | 0.25 | - | b | 0.51 | 0.99 | - | b2 | 1.15 | 1.77 | - | c | 0.356 | 0.73 | - | c2 | 1.143 | 1.65 | - | D | 8.39 | 9.65 | - | D1 | 6.55 | 7.80 | - | e | - | 2.54 TYP | - | E | 9.66 | 10.66 | - | E1 | 6.23 | 8.23 | - | H | 14.61 | 15.87 | - | L | 1.78 | 2.79 | - | L1 | - | 1.67 | - | L2 | - | 1.77 | - | L3 | - | - | 0.254 | a | 0° | 8° | - |
| Dim | Min | Max | Typ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 4.07 | 4.82 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1 | 0.00 | 0.25 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 0.51 | 0.99 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b2 | 1.15 | 1.77 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c | 0.356 | 0.73 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c2 | 1.143 | 1.65 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 8.39 | 9.65 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | 6.55 | 6.95 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e | - | 2.54 TYP | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 9.66 | 10.66 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E1 | 6.23 | 8.23 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 14.61 | 15.87 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | 1.78 | 2.79 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 | - | 1.67 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L2 | - | 1.77 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L3 | - | - | 0.254 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a | 0° | 8° | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dim | Min | Max | Typ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 4.07 | 4.82 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1 | 0.00 | 0.25 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 0.51 | 0.99 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b2 | 1.15 | 1.77 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c | 0.356 | 0.73 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c2 | 1.143 | 1.65 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 8.39 | 9.65 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | 6.55 | 7.80 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e | - | 2.54 TYP | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 9.66 | 10.66 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E1 | 6.23 | 8.23 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 14.61 | 15.87 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | 1.78 | 2.79 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 | - | 1.67 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L2 | - | 1.77 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L3 | - | - | 0.254 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a | 0° | 8° | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| From : Current POD listed in the device datasheet | Change To : Combined POD will be listed in the device datasheet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------|-------|-----|---|------|------|------|----|------|------|------|----|------|------|------|---|------|------|-------|----|------|------|------|----|------|------|------|---|------|------|-------|---|------|------|------|----|------|---|---|---|---|---|-------|---|------|------|------|----|------|---|---|---|------|-------|------|---|------|------|------|----|------|------|------|----|------|------|------|---|----|-----|---|--|-----|-----|-----|-----|---|------|------|------|----|------|------|------|----|------|------|------|---|------|------|-------|----|------|------|------|----|------|------|------|---|------|------|-------|---|------|------|------|----|------|---|---|---|---|---|-------|---|------|------|------|----|------|---|---|---|------|-------|------|---|------|------|------|----|------|------|------|----|------|------|------|---|----|-----|---|
| Baseline POD (Diodes internal Shanghai Assembly & Test Site (SAT)) | Combined POD (SAT + HTME) remains the same, except Dim L4. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baselinet TO252 | Combined TO252: Option A (SAT-Baseline)+ Option B (HTME) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>TO252 (DPAK)</p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> <th>Typ</th> </tr> </thead> <tbody> <tr><td>A</td><td>2.19</td><td>2.39</td><td>2.29</td></tr> <tr><td>A1</td><td>0.00</td><td>0.13</td><td>0.08</td></tr> <tr><td>A2</td><td>0.97</td><td>1.17</td><td>1.07</td></tr> <tr><td>b</td><td>0.64</td><td>0.88</td><td>0.783</td></tr> <tr><td>b2</td><td>0.76</td><td>1.14</td><td>0.95</td></tr> <tr><td>b3</td><td>5.21</td><td>5.46</td><td>5.33</td></tr> <tr><td>c</td><td>0.45</td><td>0.58</td><td>0.531</td></tr> <tr><td>D</td><td>6.00</td><td>6.20</td><td>6.10</td></tr> <tr><td>D1</td><td>5.21</td><td>-</td><td>-</td></tr> <tr><td>e</td><td>-</td><td>-</td><td>2.286</td></tr> <tr><td>E</td><td>6.45</td><td>6.70</td><td>6.58</td></tr> <tr><td>E1</td><td>4.32</td><td>-</td><td>-</td></tr> <tr><td>H</td><td>9.40</td><td>10.41</td><td>9.91</td></tr> <tr><td>L</td><td>1.40</td><td>1.78</td><td>1.59</td></tr> <tr><td>L3</td><td>0.88</td><td>1.27</td><td>1.08</td></tr> <tr><td>L4</td><td>0.64</td><td>1.02</td><td>0.83</td></tr> <tr><td>a</td><td>0°</td><td>10°</td><td>-</td></tr> </tbody> </table> <p>All Dimensions in mm</p> | Dim | Min | Max | Typ | A | 2.19 | 2.39 | 2.29 | A1 | 0.00 | 0.13 | 0.08 | A2 | 0.97 | 1.17 | 1.07 | b | 0.64 | 0.88 | 0.783 | b2 | 0.76 | 1.14 | 0.95 | b3 | 5.21 | 5.46 | 5.33 | c | 0.45 | 0.58 | 0.531 | D | 6.00 | 6.20 | 6.10 | D1 | 5.21 | - | - | e | - | - | 2.286 | E | 6.45 | 6.70 | 6.58 | E1 | 4.32 | - | - | H | 9.40 | 10.41 | 9.91 | L | 1.40 | 1.78 | 1.59 | L3 | 0.88 | 1.27 | 1.08 | L4 | 0.64 | 1.02 | 0.83 | a | 0° | 10° | - |  <p>TO252 (Standard)</p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> <th>Typ</th> </tr> </thead> <tbody> <tr><td>A</td><td>2.19</td><td>2.39</td><td>2.29</td></tr> <tr><td>A1</td><td>0.00</td><td>0.13</td><td>0.08</td></tr> <tr><td>A2</td><td>0.97</td><td>1.17</td><td>1.07</td></tr> <tr><td>b</td><td>0.64</td><td>0.88</td><td>0.783</td></tr> <tr><td>b2</td><td>0.76</td><td>1.14</td><td>0.95</td></tr> <tr><td>b3</td><td>5.21</td><td>5.46</td><td>5.33</td></tr> <tr><td>c</td><td>0.45</td><td>0.58</td><td>0.531</td></tr> <tr><td>D</td><td>6.00</td><td>6.20</td><td>6.10</td></tr> <tr><td>D1</td><td>5.21</td><td>-</td><td>-</td></tr> <tr><td>e</td><td>-</td><td>-</td><td>2.286</td></tr> <tr><td>E</td><td>6.45</td><td>6.70</td><td>6.58</td></tr> <tr><td>E1</td><td>4.32</td><td>-</td><td>-</td></tr> <tr><td>H</td><td>9.40</td><td>10.41</td><td>9.91</td></tr> <tr><td>L</td><td>1.40</td><td>1.78</td><td>1.59</td></tr> <tr><td>L3</td><td>0.88</td><td>1.27</td><td>1.08</td></tr> <tr><td>L4</td><td>0.60</td><td>1.02</td><td>0.83</td></tr> <tr><td>a</td><td>0°</td><td>10°</td><td>-</td></tr> </tbody> </table> <p>All Dimensions in mm</p> | Dim | Min | Max | Typ | A | 2.19 | 2.39 | 2.29 | A1 | 0.00 | 0.13 | 0.08 | A2 | 0.97 | 1.17 | 1.07 | b | 0.64 | 0.88 | 0.783 | b2 | 0.76 | 1.14 | 0.95 | b3 | 5.21 | 5.46 | 5.33 | c | 0.45 | 0.58 | 0.531 | D | 6.00 | 6.20 | 6.10 | D1 | 5.21 | - | - | e | - | - | 2.286 | E | 6.45 | 6.70 | 6.58 | E1 | 4.32 | - | - | H | 9.40 | 10.41 | 9.91 | L | 1.40 | 1.78 | 1.59 | L3 | 0.88 | 1.27 | 1.08 | L4 | 0.60 | 1.02 | 0.83 | a | 0° | 10° | - |
| Dim | Min | Max | Typ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 2.19 | 2.39 | 2.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1 | 0.00 | 0.13 | 0.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2 | 0.97 | 1.17 | 1.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 0.64 | 0.88 | 0.783 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b2 | 0.76 | 1.14 | 0.95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b3 | 5.21 | 5.46 | 5.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c | 0.45 | 0.58 | 0.531 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 6.00 | 6.20 | 6.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | 5.21 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e | - | - | 2.286 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 6.45 | 6.70 | 6.58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E1 | 4.32 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 9.40 | 10.41 | 9.91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | 1.40 | 1.78 | 1.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L3 | 0.88 | 1.27 | 1.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L4 | 0.64 | 1.02 | 0.83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a | 0° | 10° | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dim | Min | Max | Typ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 2.19 | 2.39 | 2.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1 | 0.00 | 0.13 | 0.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2 | 0.97 | 1.17 | 1.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 0.64 | 0.88 | 0.783 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b2 | 0.76 | 1.14 | 0.95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b3 | 5.21 | 5.46 | 5.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c | 0.45 | 0.58 | 0.531 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 6.00 | 6.20 | 6.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | 5.21 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e | - | - | 2.286 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 6.45 | 6.70 | 6.58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E1 | 4.32 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 9.40 | 10.41 | 9.91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | 1.40 | 1.78 | 1.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L3 | 0.88 | 1.27 | 1.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L4 | 0.60 | 1.02 | 0.83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a | 0° | 10° | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| From : Current POD listed in the device datasheet Baseline POD (Diodes internal Shanghai Assembly & Test Site (SAT)) | Change To : Combined POD will be listed in the device datasheet Combined POD (SAT + HTME) and Suggested Pad Layout cover baseline's. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------|-------|-------|---|-------|------|-------|----|-------|------|-------|----|-------|------|-------|----|-------|-------|-------|----|-------|------|-------|----|-------|-------|-------|----|----------|----|-------|----|-------|---|------------|---------------|------|-------|------|-------|------|-------|------|-------|----------|-------|----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|----------|-------|----|-------|------|-------|------|-------|------|---|---|---|------|------|------|----|-------|-------|-------|---|-------|-------|-------|----|------|------|------|---|-----|-----|-----|----|----|----|----|---|-----|-----|-----|-----|---|------|------|---|----|------|------|---|---|------|------|---|----|-------|-------|---|----|------|------|------|---|-------|-------|---|---|----------|--|--|--------------|----------|--|--|----|------|------|---|----|------|------|---|----|------|------|---|---|----------|--|--|----|------|------|---|----|------|------|---|----|------|------|---|---|----------|--|--|---|------|------|---|---|------|------|---|---|------|------|---|----|-------|-------|---|---|-------|-------|---|----|------|------|------|---|----|-----|---|----|----|----|----|
| Baseline PowerDI5060-8 POD | Combined PowerDI5060-8: Option A (SAT-Baseline)+ Option B (HTME) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>PowerDI5060-8</p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> <th>Typ</th> </tr> </thead> <tbody> <tr><td>A</td><td>0.90</td><td>1.10</td><td>1.00</td></tr> <tr><td>A1</td><td>0.50</td><td>0.05</td><td>—</td></tr> <tr><td>b</td><td>0.33</td><td>0.51</td><td>0.41</td></tr> <tr><td>b2</td><td>0.200</td><td>0.350</td><td>0.273</td></tr> <tr><td>b3</td><td>0.40</td><td>0.60</td><td>0.60</td></tr> <tr><td>c</td><td>0.230</td><td>0.330</td><td>0.277</td></tr> <tr><td>D</td><td colspan="3">5.15 BSC</td></tr> <tr><td>D1</td><td>4.70</td><td>5.10</td><td>4.90</td></tr> <tr><td>D2</td><td>3.70</td><td>4.10</td><td>3.90</td></tr> <tr><td>D3</td><td>3.90</td><td>4.30</td><td>4.10</td></tr> <tr><td>E</td><td colspan="3">6.15 BSC</td></tr> <tr><td>E1</td><td>5.60</td><td>6.00</td><td>5.80</td></tr> <tr><td>E2</td><td>3.28</td><td>3.66</td><td>3.48</td></tr> <tr><td>E3</td><td>3.99</td><td>4.39</td><td>4.19</td></tr> <tr><td>e</td><td colspan="3">1.27 BSC</td></tr> <tr><td>G</td><td>0.51</td><td>0.71</td><td>0.61</td></tr> <tr><td>K</td><td>0.51</td><td>—</td><td>—</td></tr> <tr><td>L</td><td>0.51</td><td>0.71</td><td>0.61</td></tr> <tr><td>L1</td><td>0.100</td><td>0.200</td><td>0.175</td></tr> <tr><td>M</td><td>3.235</td><td>4.035</td><td>3.635</td></tr> <tr><td>M1</td><td>1.00</td><td>1.40</td><td>1.21</td></tr> <tr><td>Ø</td><td>10°</td><td>12°</td><td>11°</td></tr> <tr><td>Ø1</td><td>6°</td><td>8°</td><td>7°</td></tr> </tbody> </table> <p>All Dimensions in mm</p> | Dim | Min | Max | Typ | A | 0.90 | 1.10 | 1.00 | A1 | 0.50 | 0.05 | — | b | 0.33 | 0.51 | 0.41 | b2 | 0.200 | 0.350 | 0.273 | b3 | 0.40 | 0.60 | 0.60 | c | 0.230 | 0.330 | 0.277 | D | 5.15 BSC | | | D1 | 4.70 | 5.10 | 4.90 | D2 | 3.70 | 4.10 | 3.90 | D3 | 3.90 | 4.30 | 4.10 | E | 6.15 BSC | | | E1 | 5.60 | 6.00 | 5.80 | E2 | 3.28 | 3.66 | 3.48 | E3 | 3.99 | 4.39 | 4.19 | e | 1.27 BSC | | | G | 0.51 | 0.71 | 0.61 | K | 0.51 | — | — | L | 0.51 | 0.71 | 0.61 | L1 | 0.100 | 0.200 | 0.175 | M | 3.235 | 4.035 | 3.635 | M1 | 1.00 | 1.40 | 1.21 | Ø | 10° | 12° | 11° | Ø1 | 6° | 8° | 7° |  <p>POWERDI5060-8 (Standard)</p> <table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> <th>Typ</th> </tr> </thead> <tbody> <tr><td>A</td><td>0.90</td><td>1.20</td><td>—</td></tr> <tr><td>A1</td><td>0.00</td><td>0.05</td><td>—</td></tr> <tr><td>b</td><td>0.33</td><td>0.51</td><td>—</td></tr> <tr><td>b2</td><td>0.200</td><td>0.350</td><td>—</td></tr> <tr><td>b3</td><td>0.40</td><td>0.60</td><td>0.60</td></tr> <tr><td>c</td><td>0.230</td><td>0.354</td><td>—</td></tr> <tr><td>D</td><td colspan="3">5.15 BSC</td></tr> <tr><td>D (Option A)</td><td colspan="3">5.30 BSC</td></tr> <tr><td>D1</td><td>4.70</td><td>5.40</td><td>—</td></tr> <tr><td>D2</td><td>3.70</td><td>4.25</td><td>—</td></tr> <tr><td>D3</td><td>3.90</td><td>4.70</td><td>—</td></tr> <tr><td>E</td><td colspan="3">6.15 BSC</td></tr> <tr><td>E1</td><td>5.60</td><td>6.06</td><td>—</td></tr> <tr><td>E2</td><td>3.28</td><td>3.92</td><td>—</td></tr> <tr><td>E3</td><td>3.99</td><td>4.59</td><td>—</td></tr> <tr><td>e</td><td colspan="3">1.27 BSC</td></tr> <tr><td>G</td><td>0.40</td><td>0.71</td><td>—</td></tr> <tr><td>K</td><td>0.51</td><td>1.45</td><td>—</td></tr> <tr><td>L</td><td>0.50</td><td>0.71</td><td>—</td></tr> <tr><td>L1</td><td>0.100</td><td>0.200</td><td>—</td></tr> <tr><td>M</td><td>3.235</td><td>4.035</td><td>—</td></tr> <tr><td>M1</td><td>1.00</td><td>1.40</td><td>1.21</td></tr> <tr><td>Ø</td><td>8°</td><td>12°</td><td>—</td></tr> <tr><td>Ø1</td><td>6°</td><td>8°</td><td>7°</td></tr> </tbody> </table> <p>All Dimensions in mm</p> | Dim | Min | Max | Typ | A | 0.90 | 1.20 | — | A1 | 0.00 | 0.05 | — | b | 0.33 | 0.51 | — | b2 | 0.200 | 0.350 | — | b3 | 0.40 | 0.60 | 0.60 | c | 0.230 | 0.354 | — | D | 5.15 BSC | | | D (Option A) | 5.30 BSC | | | D1 | 4.70 | 5.40 | — | D2 | 3.70 | 4.25 | — | D3 | 3.90 | 4.70 | — | E | 6.15 BSC | | | E1 | 5.60 | 6.06 | — | E2 | 3.28 | 3.92 | — | E3 | 3.99 | 4.59 | — | e | 1.27 BSC | | | G | 0.40 | 0.71 | — | K | 0.51 | 1.45 | — | L | 0.50 | 0.71 | — | L1 | 0.100 | 0.200 | — | M | 3.235 | 4.035 | — | M1 | 1.00 | 1.40 | 1.21 | Ø | 8° | 12° | — | Ø1 | 6° | 8° | 7° |
| Dim | Min | Max | Typ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 0.90 | 1.10 | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1 | 0.50 | 0.05 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 0.33 | 0.51 | 0.41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b2 | 0.200 | 0.350 | 0.273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b3 | 0.40 | 0.60 | 0.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c | 0.230 | 0.330 | 0.277 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 5.15 BSC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | 4.70 | 5.10 | 4.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D2 | 3.70 | 4.10 | 3.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | 3.90 | 4.30 | 4.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 6.15 BSC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E1 | 5.60 | 6.00 | 5.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E2 | 3.28 | 3.66 | 3.48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E3 | 3.99 | 4.39 | 4.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e | 1.27 BSC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | 0.51 | 0.71 | 0.61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K | 0.51 | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | 0.51 | 0.71 | 0.61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 | 0.100 | 0.200 | 0.175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 3.235 | 4.035 | 3.635 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1.00 | 1.40 | 1.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ø | 10° | 12° | 11° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ø1 | 6° | 8° | 7° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dim | Min | Max | Typ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 0.90 | 1.20 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1 | 0.00 | 0.05 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 0.33 | 0.51 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b2 | 0.200 | 0.350 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b3 | 0.40 | 0.60 | 0.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c | 0.230 | 0.354 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 5.15 BSC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D (Option A) | 5.30 BSC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | 4.70 | 5.40 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D2 | 3.70 | 4.25 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | 3.90 | 4.70 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 6.15 BSC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E1 | 5.60 | 6.06 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E2 | 3.28 | 3.92 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E3 | 3.99 | 4.59 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e | 1.27 BSC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | 0.40 | 0.71 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K | 0.51 | 1.45 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | 0.50 | 0.71 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 | 0.100 | 0.200 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 3.235 | 4.035 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1.00 | 1.40 | 1.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ø | 8° | 12° | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ø1 | 6° | 8° | 7° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Baseline PowerDI5060-8 Suggested Pad Layout</p>  <table border="1"> <thead> <tr> <th>Dimensions</th> <th>Value (in mm)</th> </tr> </thead> <tbody> <tr><td>C</td><td>1.270</td></tr> <tr><td>G</td><td>0.660</td></tr> <tr><td>G1</td><td>0.820</td></tr> <tr><td>X</td><td>0.610</td></tr> <tr><td>X1</td><td>4.100</td></tr> <tr><td>X2</td><td>0.755</td></tr> <tr><td>X3</td><td>4.420</td></tr> <tr><td>X4</td><td>5.610</td></tr> <tr><td>Y</td><td>1.270</td></tr> <tr><td>Y1</td><td>0.600</td></tr> <tr><td>Y2</td><td>1.020</td></tr> <tr><td>Y3</td><td>0.295</td></tr> <tr><td>Y4</td><td>1.825</td></tr> <tr><td>Y5</td><td>3.810</td></tr> <tr><td>Y6</td><td>0.180</td></tr> <tr><td>Y7</td><td>6.610</td></tr> </tbody> </table> | Dimensions | Value (in mm) | C | 1.270 | G | 0.660 | G1 | 0.820 | X | 0.610 | X1 | 4.100 | X2 | 0.755 | X3 | 4.420 | X4 | 5.610 | Y | 1.270 | Y1 | 0.600 | Y2 | 1.020 | Y3 | 0.295 | Y4 | 1.825 | Y5 | 3.810 | Y6 | 0.180 | Y7 | 6.610 | <p>Combined PowerDI5060-8 Suggested Pad Layout: Option A (SAT-Baseline)+ Option B (HTME)</p>  <table border="1"> <thead> <tr> <th>Dimensions</th> <th>Value (in mm)</th> </tr> </thead> <tbody> <tr><td>C</td><td>1.270</td></tr> <tr><td>G</td><td>0.660</td></tr> <tr><td>G1</td><td>0.820</td></tr> <tr><td>X</td><td>0.610</td></tr> <tr><td>X1</td><td>4.300</td></tr> <tr><td>X2</td><td>0.755</td></tr> <tr><td>X3</td><td>4.420</td></tr> <tr><td>X4</td><td>5.610</td></tr> <tr><td>Y</td><td>1.270</td></tr> <tr><td>Y1</td><td>0.600</td></tr> <tr><td>Y2</td><td>1.020</td></tr> <tr><td>Y3</td><td>0.295</td></tr> <tr><td>Y4</td><td>1.825</td></tr> <tr><td>Y5</td><td>4.300</td></tr> <tr><td>Y6</td><td>0.180</td></tr> <tr><td>Y7</td><td>6.610</td></tr> </tbody> </table> | Dimensions | Value (in mm) | C | 1.270 | G | 0.660 | G1 | 0.820 | X | 0.610 | X1 | 4.300 | X2 | 0.755 | X3 | 4.420 | X4 | 5.610 | Y | 1.270 | Y1 | 0.600 | Y2 | 1.020 | Y3 | 0.295 | Y4 | 1.825 | Y5 | 4.300 | Y6 | 0.180 | Y7 | 6.610 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions | Value (in mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Y2 | 1.020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y3 | 0.295 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y4 | 1.825 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y5 | 3.810 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y6 | 0.180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y7 | 6.610 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions | Value (in mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| G | 0.660 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Y4 | 1.825 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y5 | 4.300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y6 | 0.180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y7 | 6.610 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Different bar location for different Assembly & Test Site. | | |
|--|-------------------------|---|
| Assembly & Test Site | Marking explain | Marking example |
| SAT | Not add any bar |  |
| CAT | Add bar above year code |  |
| HTME/TSHT | Add bar below week code |  |