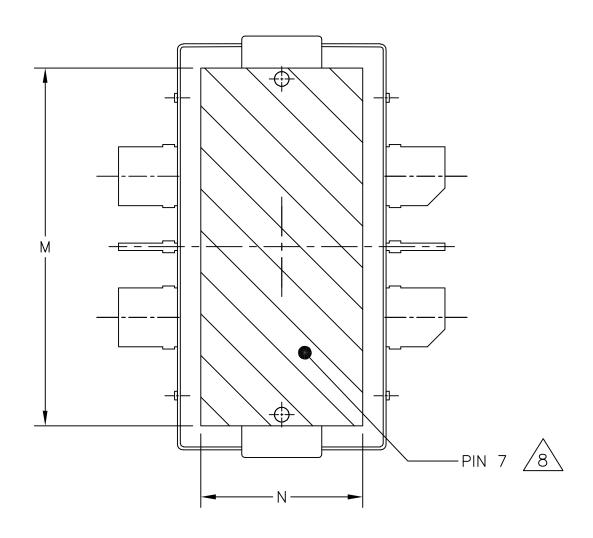


| NXP SEMICONDUCTORS N.V. ALL RIGHTS RESERVED |  | MECHANICAL OUTLINE |         | PRINT VERSION NOT  | TO SCALE    |  |  |
|---|--|--------------------|---------|--------------------|-------------|--|--|
| TITLE:                                      |  |                    | DOCUME  | NT NO: 98ASA00592D | REV: A      |  |  |
| TO-270WB-6A                                 |  |                    | STANDAF | D: NON-JEDEC       |             |  |  |
|   |  |                    | SOT1740 | <del>-</del> 1 :   | 21 JAN 2016 |  |  |





## VIEW Y-Y

| NXP SEMICONDUCTORS N.V. ALL RIGHTS RESERVED | MECHANICAL OUTLINE | PRINT VERSION NOT TO SCALE   |
|---|--------------------|------------------------------|
| TITLE:                                      | DOCU               | JMENT NO: 98ASA00592D REV: A |
| TO-270WB-6A                                 | STANI              | NDARD: NON-JEDEC             |
|   | SOT17              | 740-1 21 JAN 2016            |



## NOTES:

- 1. CONTROLLING DIMENSION: INCH
- 2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
- 3. DATUM PLANE H IS LOCATED AT THE TOP OF LEAD AND IS COINCIDENT WITH THE LEAD WHERE THE LEAD EXITS THE PLASTIC BODY AT THE TOP OF THE PARTING LINE.
- DIMENSIONS D AND E1 DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE PROTRUSION IS .006 INCH (0.15 MM) PER SIDE. DIMENSIONS D AND E1 DO INCLUDE MOLD MISMATCH AND ARE DETERMINED AT DATUM PLANE H.
- DIMENSIONS 66 AND 61 DO NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE .005 INCH (0.13 MM) TOTAL IN EXCESS OF THE 66 AND 61 DIMENSIONS AT MAXIMUM MATERIAL CONDITION.
- 6. DATUMS A AND B TO BE DETERMINED AT DATUM PLANE H.
- A DIMENSION A2 APPLIES WITHIN ZONE J ONLY.
- A HATCHING REPRESENTS THE EXPOSED AND SOLDERABLE AREA OF THE HEAT SLUG. DIMENSIONS M AND N REPRESENT THE VALUES BETWEEN THE TWO OPPOSITE POINTS ALONG THE EDGES OF EXPOSED AREA OF THE HEAT SLUG.
- 1 THESE SURFACES OF THE HEAT SLUG ARE NOT PART OF THE SOLDERABLE SURFACES AND MAY REMAIN UNPLATED.

|                           | INCH |       | MILLIMETER |        |     | INCH           |      | MILLIMETER     |      |  |
|---------------------------|------|-------|------------|--------|-----|----------------|------|----------------|------|--|
| DIM                       | MIN  | MAX   | MIN        | MAX    | DIM | MIN            | MAX  | MIN            | MAX  |  |
| AA                        | .099 | .105  | 2.51       | 2.67   | М   | .600           |      | 15.24          |      |  |
| A1                        | .039 | .043  | 0.99       | 1.09   | N   | .270           |      | 6.86           |      |  |
| A2                        | .040 | .042  | 1.02       | 1.07   | bb  | .097           | .103 | 2.46           | 2.62 |  |
| D                         | .688 | .692  | 17.48      | 17.58  | b1  | .010           | .016 | 0.25           | 0.41 |  |
| D1                        | .712 | .720  | 18.08      | 18.29  | b2  |                | .019 |                | 0.48 |  |
| E                         | .551 | .559  | 14.00      | 14.20  | c1  | .007           | .011 | 0.18           | 0.28 |  |
| E1                        | .353 | .357  | 8.97       | 9.07   | е   | .120 BSC       |      | 3.05 BSC       |      |  |
| E2                        | .346 | .350  | 8.79       | 8.89   | e1  | .253 INFO ONLY |      | 6.43 INFO ONLY |      |  |
| E3                        | .132 | .140  | 3.35       | 3.56   | aaa | .004           |      | 0.             | 0.10 |  |
| F                         | .025 | 5 BSC | 0.6        | S4 BSC | bbb | .008 0.        |      | 20             |      |  |
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|-------------|---|--|-------|-----------|--------------|--------|-----|------|
| TITLE:      |   |  |       | DOCUME    | NT NO: 98ASA | 00592D | RE' | V: A |
| TO-270WB-6A |   |  |       | STANDAF   | RD: NON-JEDE | С      |     |      |
|             |   |  |       | SOT1740   | <b>-</b> 1   | 21     | JAN | 2016 |