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| LOC | DIST | REVISIONS |     |                                   |           |     |      |
|-----|------|-----------|-----|-----------------------------------|-----------|-----|------|
|     |      | P         | LTR | DESCRIPTION                       | DATE      | DWN | APVD |
| AD  | 00   |           | B   | REVISED/REDRAWN PER ECO-09-020027 | 16OCT2009 | DH  | JE   |
|     |      |           |     |                                   |           |     |      |
|     |      |           |     |                                   |           |     |      |
|     |      |           |     |                                   |           |     |      |

NOTE:

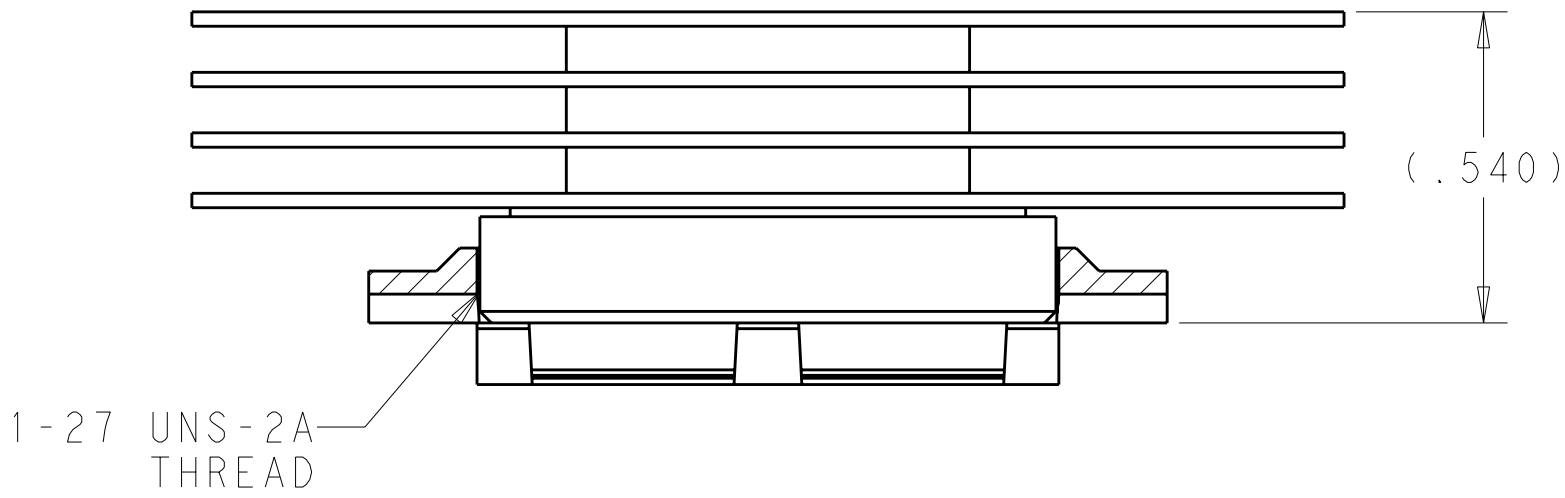
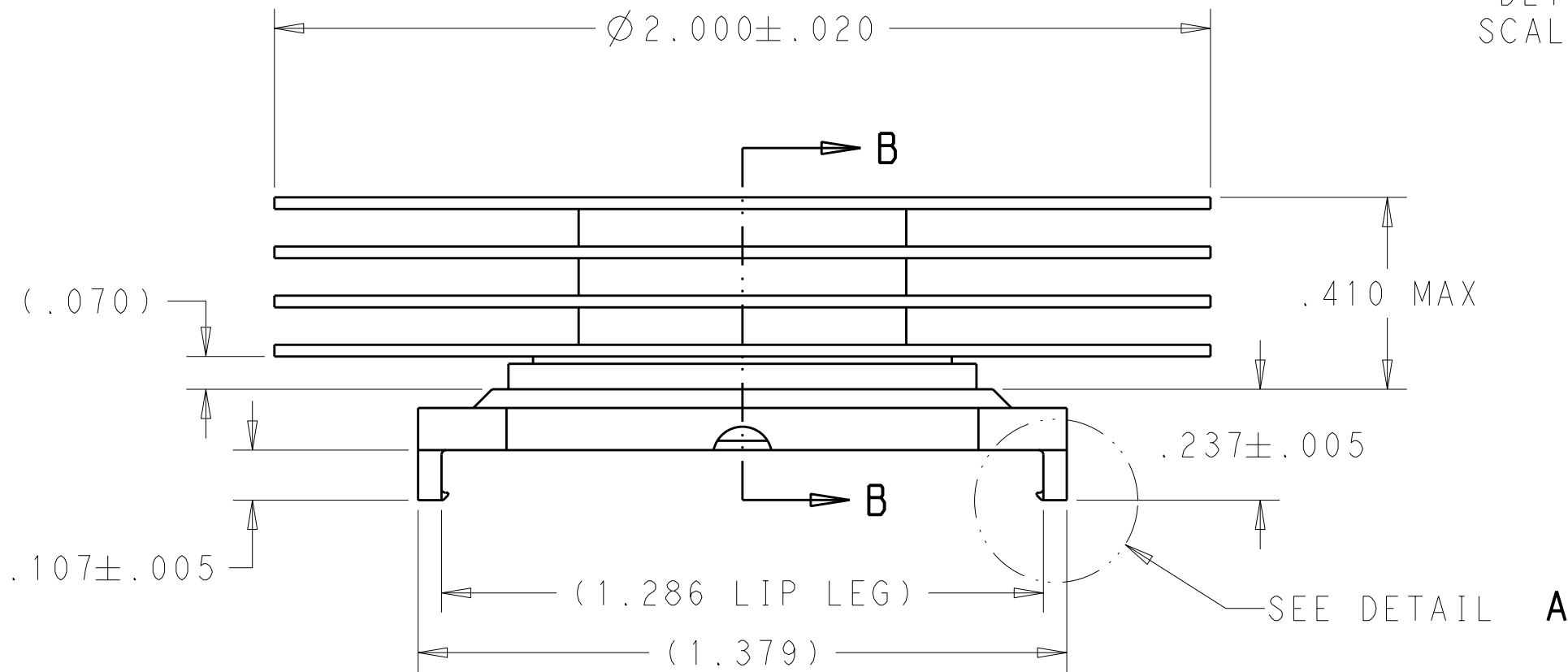
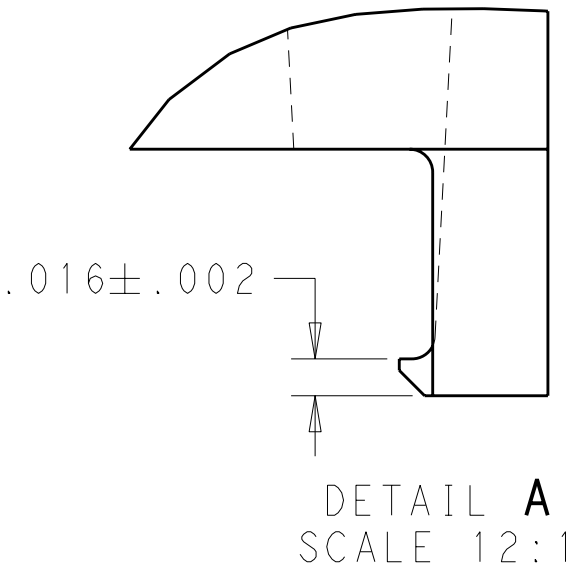
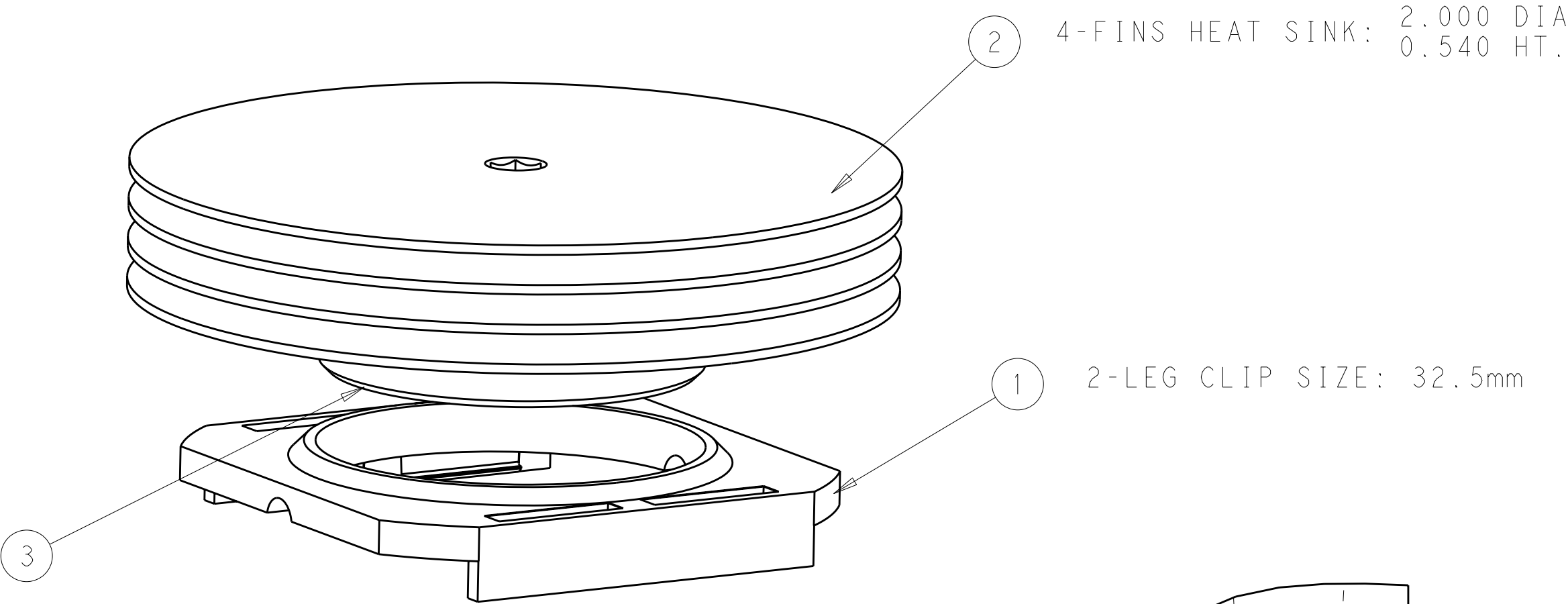
1. MATERIAL:  
HEAT SINK: ALUM. (BLACK ANODIZED)  
CLIP: BLACK PEI (UL94-VO)
2. BEFORE THE HEATSINK APPLICATION, THE USER SHOULD IDENTIFY THE SPECIFICATION OF MAXIMUM LOAD ON THE BGA PACKAGE.

HEAT SINK TORQUE SPECIFICATIONS CONVERTED TO FORCE.

BARE DIE PACKAGE:  
2.0 INCH-LB TORQUE=8.1 LBS FORCE  
2.5 INCH-LB TROQUE=10.1 LBS FORCE

FULL SIZE LID PACKAGE:  
2.0 INCH-LB TORQUE=6.9 LBS FORCE  
2.5 INCH-LB TROQUE=8.7 LBS FORCE

3. REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1
4. RoHS COMPLIANT AND CERTIFIED



|      |               |     |
|------|---------------|-----|
| 3    | INTERFACE     | I   |
| 2    | HEAT SINK     | I   |
| 1    | MOUNTING CLIP | I   |
| ITEM | DESCRIPTION   | QTY |

|                                                                                                                                                                                           |  |  |                                                           |                                               |                            |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------|-----------------------------------------------|----------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION. IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION. |  |  | DWN<br>D. HUMBERT<br>16OCT2009                            | Tyco Electronics<br>Harrisburg, PA 17105-3608 |                            |                    |
| DIMENSIONS:<br>INCHES                                                                                                                                                                     |  |  | CHK<br>J. EABY<br>16OCT2009                               |                                               |                            |                    |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                                                                                                                    |  |  | APVD<br>J. EABY<br>16SEP2009                              | NAME<br>32.5mm HEATSINK ASSEMBLY (HTS512-U)   |                            |                    |
| 0 PLC ±.1<br>1 PLC ±.02<br>2 PLC ±.005<br>3 PLC ±.0005<br>4 PLC ±.0005<br>ANGLES ±<br>FINISH                                                                                              |  |  | PRODUCT SPEC<br>-<br>APPLICATION SPEC<br>-<br>WEIGHT<br>- | SIZE<br>A200779                               | CAGE CODE<br>C-2-1542006-1 | RESTRICTED TO<br>- |
| MATERIAL<br>SEE NOTE                                                                                                                                                                      |  |  | CUSTOMER DRAWING                                          |                                               |                            | SCALE<br>3:1       |
|                                                                                                                                                                                           |  |  | SHEET 1 OF 1                                              |                                               |                            | REV B              |