

| REVISION(S) |                   |              |              |
|-------------|-------------------|--------------|--------------|
| LTR         | DESCRIPTION       | INIT         | APP'D        |
| O           | ECN: 0S60-0091-04 | E.T 04/08/04 | B.P 04/08/04 |
| A           | ECR-06-007965     | E.T 3/31/06  | C.W 4/4/06   |

NOTE:

1. MATERIAL:

HEAT SINK: ALUM. (BLACK ANODIZE)  
CLIP: BLACK PEI (UL94-VO)

2. BEFORE THE HEATSINK APPLICATION, THE USER SHOULD IDENTIFY THE SPECIFICATION OF MAXIMUM LOAD ON THE BGA PACKAGE.

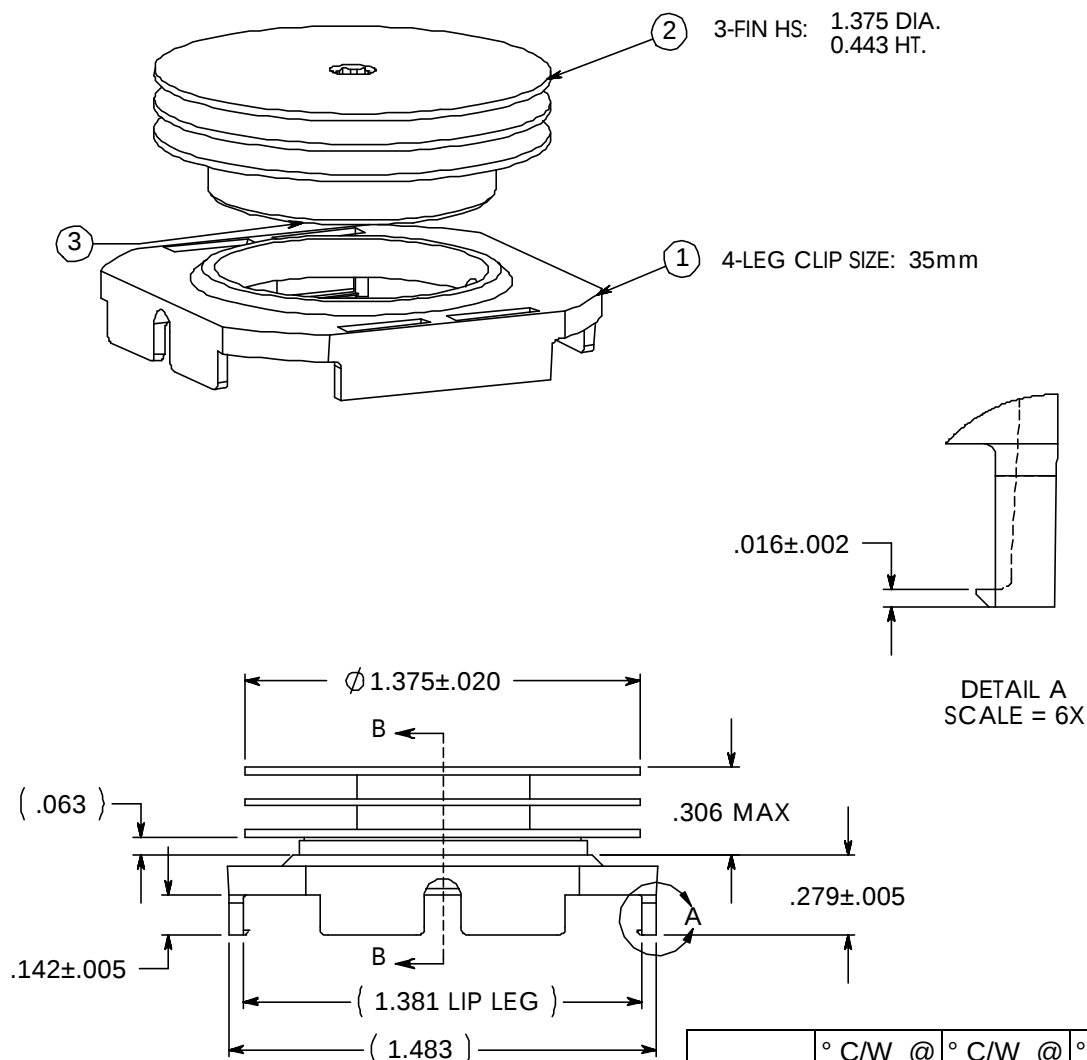
HEATSINK TORQUE SPECIFICATIONS CONVERTED TO FORCE.

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

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

3. REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1

4. RoHS COMPLIANT AND CERTIFIED.



DETAIL A  
SCALE = 6X

Ø 1"-27 UNS - 2A  
THREAD

SECTION B-B

| Power    | ° C/W @ Ambient | ° C/W @ 200 LFM | ° C/W @ 400 LFM | ° C/W @ 600 LFM |
|----------|-----------------|-----------------|-----------------|-----------------|
| 5 Watts  | 11.06           | 5.44            | 3.45            | 2.55            |
| 10 Watts | 10.31           | 5.72            | 3.68            | 2.69            |
| 15 Watts | 9.48            | 5.89            | 3.73            | 2.82            |

CUSTOMER DRAWING

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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

DO NOT SCALE

tyco Electronics  
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:  
.XX ± .  
.XXX ± .  
.XXXX ± .  
ANGLES ± °

|                            |         |                  |  |                       |  |
|----------------------------|---------|------------------|--|-----------------------|--|
| DRAWN BY:<br>E.TAO         |         | DATE<br>04/08/04 |  | MATERIAL:<br>SEE NOTE |  |
| ENGINEER:<br>B. PETROCELLI |         | DATE<br>04/08/04 |  | FINISH:<br>SEE NOTE   |  |
| FILENAME                   | PROJECT | SYSTEM           |  |                       |  |

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|                                             |  |                       |  |                         |  |
|---------------------------------------------|--|-----------------------|--|-------------------------|--|
| TITLE:<br>35mm HEATSINK ASSEMBLY (HTS255-U) |  | PART NO:<br>1542001-5 |  | SHEET:<br>1 OF 1        |  |
| DIMENSIONS ARE IN:<br>INCHES                |  | SCALE:<br>1.5:1       |  | DWG. NO.<br>C-1542001-5 |  |
| THIRD ANGLE PROJECTION                      |  | SIZE:<br>A            |  | REV:<br>A               |  |