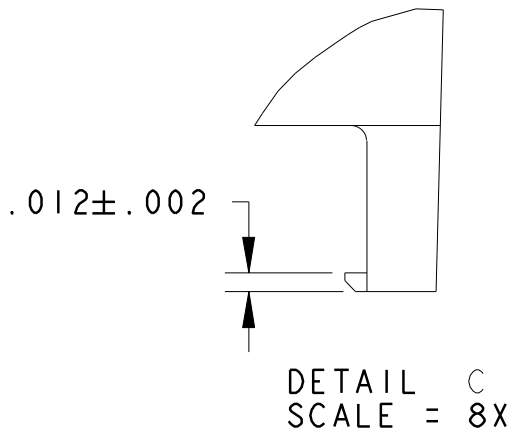
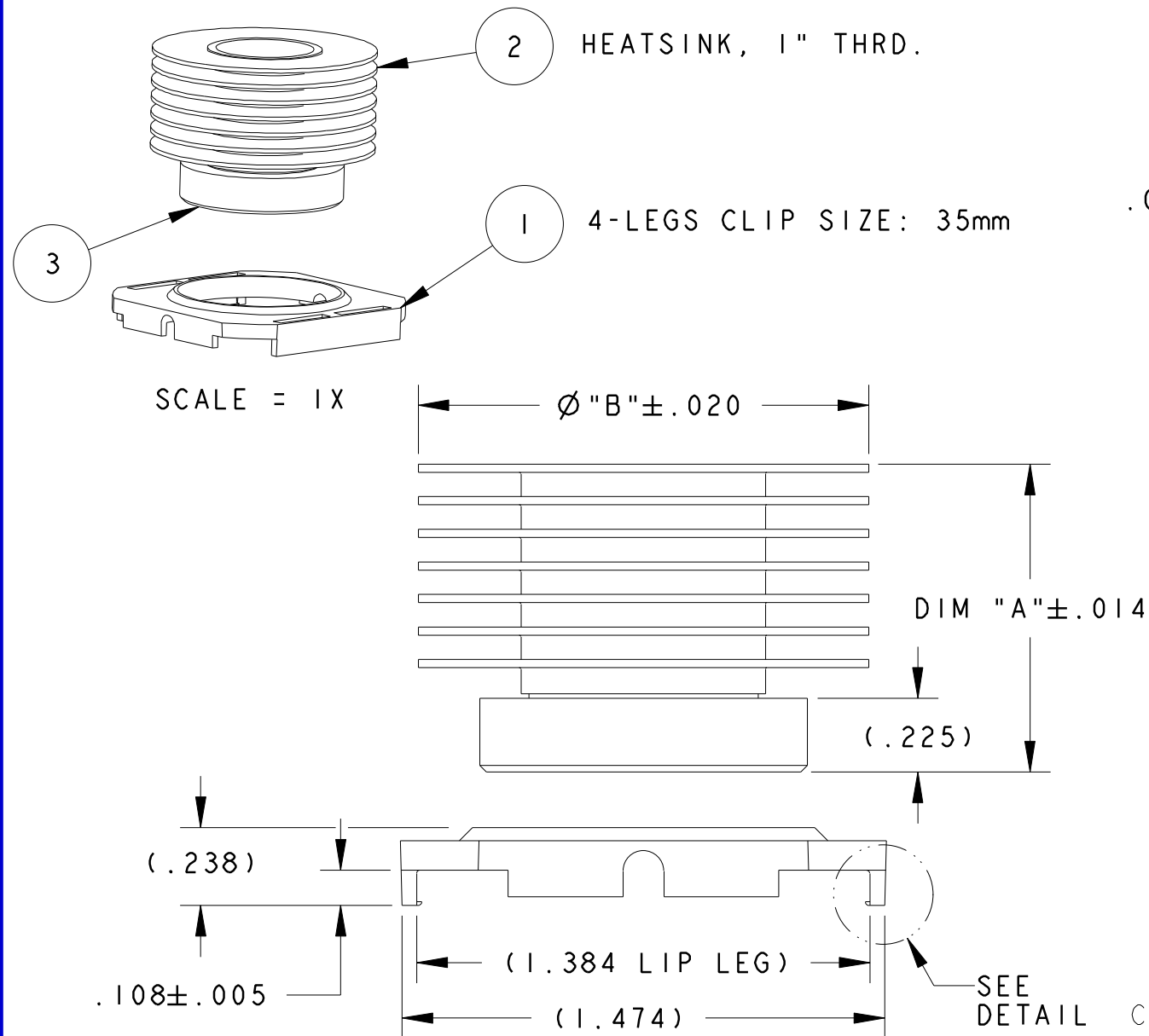


CUSTOMER DRAWING
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



- 1. MATERIAL:
HEAT SINK: ALUMINUM
CLIP: BLACK PEI (UL94-VO)
2. BEFORE THE HEATSINK APPLICATION, THE USER SHOULD IDENTIFY THE SPECIFICATION OF MAXIMUM LOAD ON THE BGA PACKAGE.
SCREW DRIVER SLOT (.070 WIDE X .100 DEEP) PROVIDED IN THE CENTER PORTION OF THE HEAT SINK. FOR ACCURATE TORQUE SETTING, SCREW DRIVER BIT MUST BE ALIGNED TO THE CENTER LINE OF THE HEAT SINK.
HEATSINK TORQUE SPECIFICATIONS CONVERTED TO FORCE. BARE DIE PACKAGE:
2.0 POUND-FORCE INCH TORQUE = 8.1 POUND-FORCE (0.23 NEWTON METER TORQUE = 36.03 NEWTON)
2.5 POUND-FORCE INCH TORQUE = 10.1 POUND-FORCE (0.28 NEWTON METER TORQUE = 44.93 NEWTON)
FULL SIZE LID PACKAGE:
2.0 POUND-FORCE INCH TORQUE = 6.9 POUND-FORCE (0.23 NEWTON METER TORQUE = 30.69 NEWTON)
2.5 POUND-FORCE INCH TORQUE = 8.7 POUND-FORCE (0.28 NEWTON METER TORQUE = 38.70 NEWTON)
3. REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1
4. RoHS COMPLIANT AND CERTIFIED.

| 200 LFM       | 400 LFM | 600 LFM |                      |                             |       |         |
|---------------|---------|---------|----------------------|-----------------------------|-------|---------|
| 3.20          | 2.10    | 1.75    | 2-1963558-7          | Ø2.000" HS, 1" THRD. 7 FINS | 2.000 | .940    |
| 3.64          | 2.37    | 1.92    | 2-1963558-5          | Ø2.000" HS, 1" THRD. 5 FINS | 2.000 | .740    |
| 3.97          | 2.57    | 2.05    | 2-1963558-4          | Ø2.000" HS, 1" THRD. 4 FINS | 2.000 | .640    |
| 4.37          | 2.88    | 2.30    | 2-1963558-3          | Ø2.000" HS, 1" THRD. 3 FINS | 2.000 | .540    |
| 4.77          | 3.21    | 2.54    | 2-1963558-2          | Ø2.000" HS, 1" THRD. 2 FINS | 2.000 | .440    |
| 4.00          | 2.63    | 2.02    | 1-1963558-7          | Ø1.375" HS, 1" THRD, 7 FINS | 1.375 | .940    |
| 4.55          | 2.96    | 2.29    | 1-1963558-5          | Ø1.375" HS, 1" THRD, 5 FINS | 1.375 | .740    |
| 4.96          | 3.20    | 2.50    | 1-1963558-4          | Ø1.375" HS, 1" THRD, 4 FINS | 1.375 | .640    |
| 5.45          | 3.61    | 2.81    | 1-1963558-3          | Ø1.375" HS, 1" THRD, 3 FINS | 1.375 | .540    |
| 5.95          | 4.02    | 3.13    | 1-1963558-2          | Ø1.375" HS, 1" THRD. 2 FINS | 1.375 | .440    |
| Rca (°C/WATT) |         |         | ASSEMBLY HS PART NO. | DESCRIPTION                 | Ø"B"  | DIM "A" |

| 3        | INTERFACE          | 1   |
|----------|--------------------|-----|
| 2        | HEATSINK, 1" THRD. | 1   |
| 1        | MOUNTING CLIP      | 1   |
| ITEM NO. | DESCRIPTION        | QTY |

TABLE 1 (BOM)

DO NOT SCALE

Tyco Electronics

North Attleboro, Massachusetts 02760

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

.XX ± .

.XXX ± .

.XXXX ± .

ANGLES ± °

DRAWN BY:

E. TAO

ENGINEER:

V. KHEIL

DATE:

5-4-07

DATE:

5-4-07

FILENAME

PROJECT

SYSTEM

C-1963558

PRO-E

MATERIAL:

N/A

FINISH:

N/A

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DIMENSIONS ARE IN: INCHES

SCALE: 2:1

SIZE B

THIRD ANGLE PROJECTION

TITLE: ASSEMBLY HEATSINK WITH 4 LEGS, 35mm CLIP

TE PART NO.: SEE TABLE 2

DWG. NO.: C-1963558

SHEET 1 of 1

REV. B1

| REV. | REVISION INFO                                                     |
|------|-------------------------------------------------------------------|
| A    | RELEASE<br>ERN #: 112104<br>E.TAO 5-4-07<br>APP'D: V.K 5-4-07     |
| A1   | RELEASED<br>ECR-07-012339<br>ETAO 5-24-07<br>APP'D: V.K 5-24-07   |
| B    | RELEASED<br>ECO-07-023087<br>DA 10-1-07<br>APP'D: BP 10-18-07     |
| B1   | RELEASED<br>ECR-07-030181<br>ETAO 12-14-07<br>APP'D: B.P 12-17-07 |

# Mouser Electronics

Authorized Distributor

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[2-1963558-5](#)