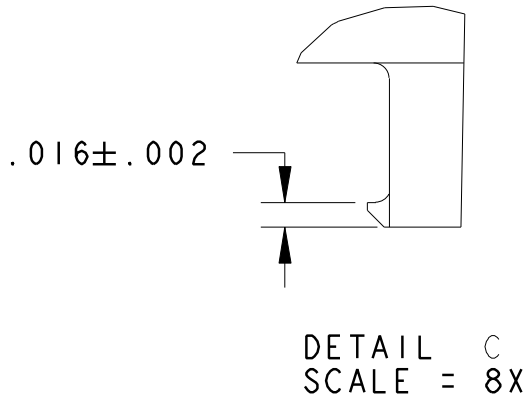
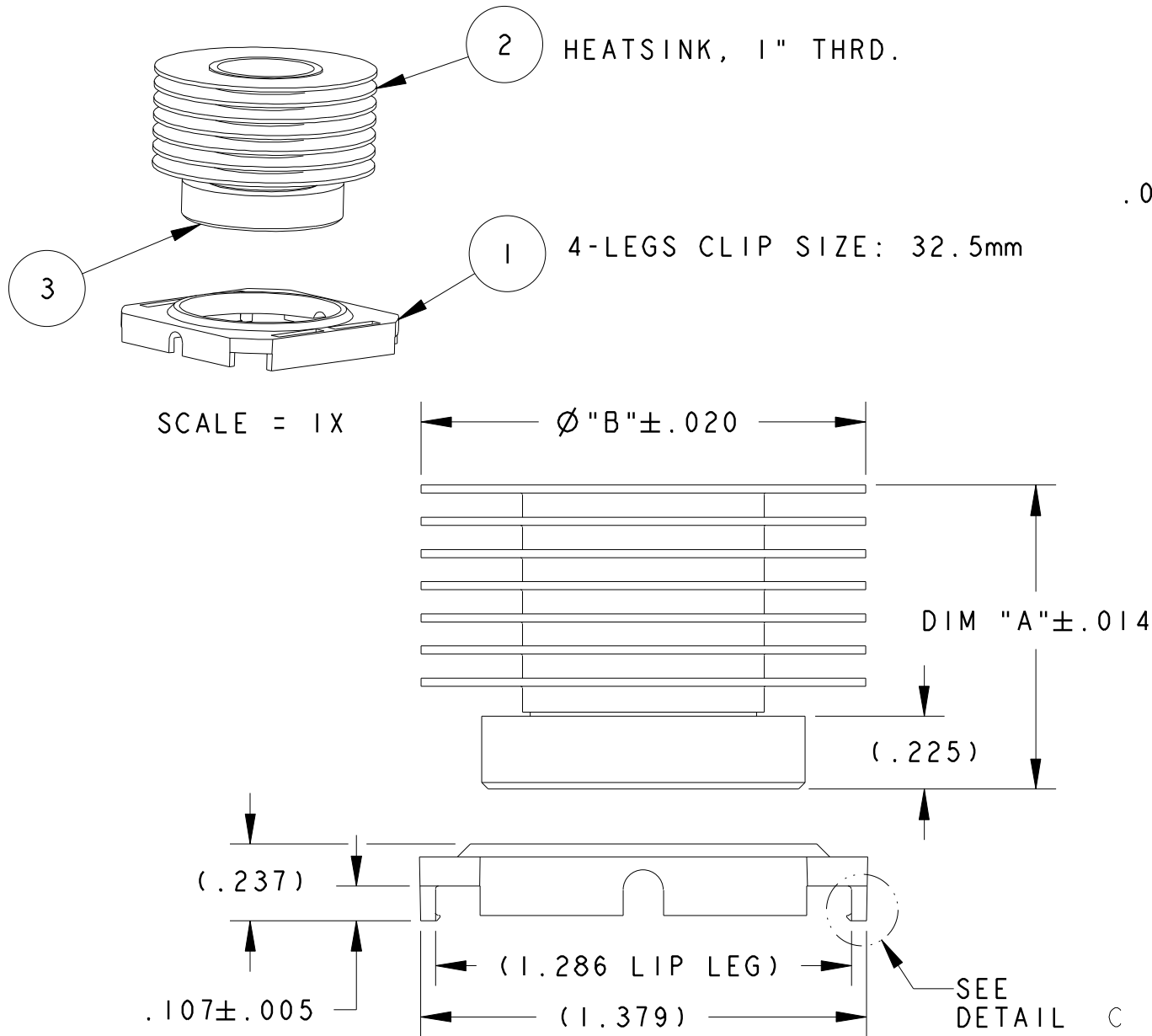


CUSTOMER DRAWING
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



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.

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

TABLE 1 (BOM)

| 200 LFM       | 400 LFM | 600 LFM |                      |                             |       |         |
|---------------|---------|---------|----------------------|-----------------------------|-------|---------|
| 3.20          | 2.10    | 1.75    | 2-1963557-7          | Ø2.000" HS, 1" THRD. 7 FINS | 2.000 | .940    |
| 3.64          | 2.37    | 1.92    | 2-1963557-5          | Ø2.000" HS, 1" THRD. 5 FINS | 2.000 | .740    |
| 3.97          | 2.57    | 2.05    | 2-1963557-4          | Ø2.000" HS, 1" THRD. 4 FINS | 2.000 | .640    |
| 4.37          | 2.88    | 2.30    | 2-1963557-3          | Ø2.000" HS, 1" THRD. 3 FINS | 2.000 | .540    |
| 4.77          | 3.21    | 2.54    | 2-1963557-2          | Ø2.000" HS, 1" THRD. 2 FINS | 2.000 | .440    |
| 4.00          | 2.63    | 2.02    | 1-1963557-7          | Ø1.375" HS, 1" THRD, 7 FINS | 1.375 | .940    |
| 4.55          | 2.96    | 2.29    | 1-1963557-5          | Ø1.375" HS, 1" THRD, 5 FINS | 1.375 | .740    |
| 4.96          | 3.20    | 2.50    | 1-1963557-4          | Ø1.375" HS, 1" THRD, 4 FINS | 1.375 | .640    |
| 5.45          | 3.61    | 2.81    | 1-1963557-3          | Ø1.375" HS, 1" THRD, 3 FINS | 1.375 | .540    |
| 5.95          | 4.02    | 3.13    | 1-1963557-2          | Ø1.375" HS, 1" THRD. 2 FINS | 1.375 | .440    |
| Rca (°C/WATT) |         |         | ASSEMBLY HS PART NO. | DESCRIPTION                 | Ø "B" | DIM "A" |

TABLE 2

REV. A

RELEASE

ERN #: 112104

E.TAO 5-4-07

APP'D: V.K 5-4-07

REV. A1

RELEASED

ECR-07-012339

ETAO 5-24-07

APP'D: V.K 5-24-07

REV. B

RELEASED

ECO-07-023087

DA 10-1-07

APP'D: BP 10-18-07

REV. B1

RELEASED

ECR-07-030181

ETAO 12-14-07

APP'D: B.P 12-17-07

DO NOT SCALE

Tyco Electronics

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

.XX ± .

.XXX ± .

.XXXX ± .

ANGLES ± °

DRAWN BY:

E.TAO

ENGINEER:

V. KHEIL

FILENAME

C-1963557

DATE:

5-4-07

DATE:

5-4-07

PROJECT

SYSTEM

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, 32.5mm CLIP

TE PART NO.: SEE TABLE 2

DWG. NO.: C-1963557

SHEET 1 of 1

REV. B1

# Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[2-1963557-5](#)