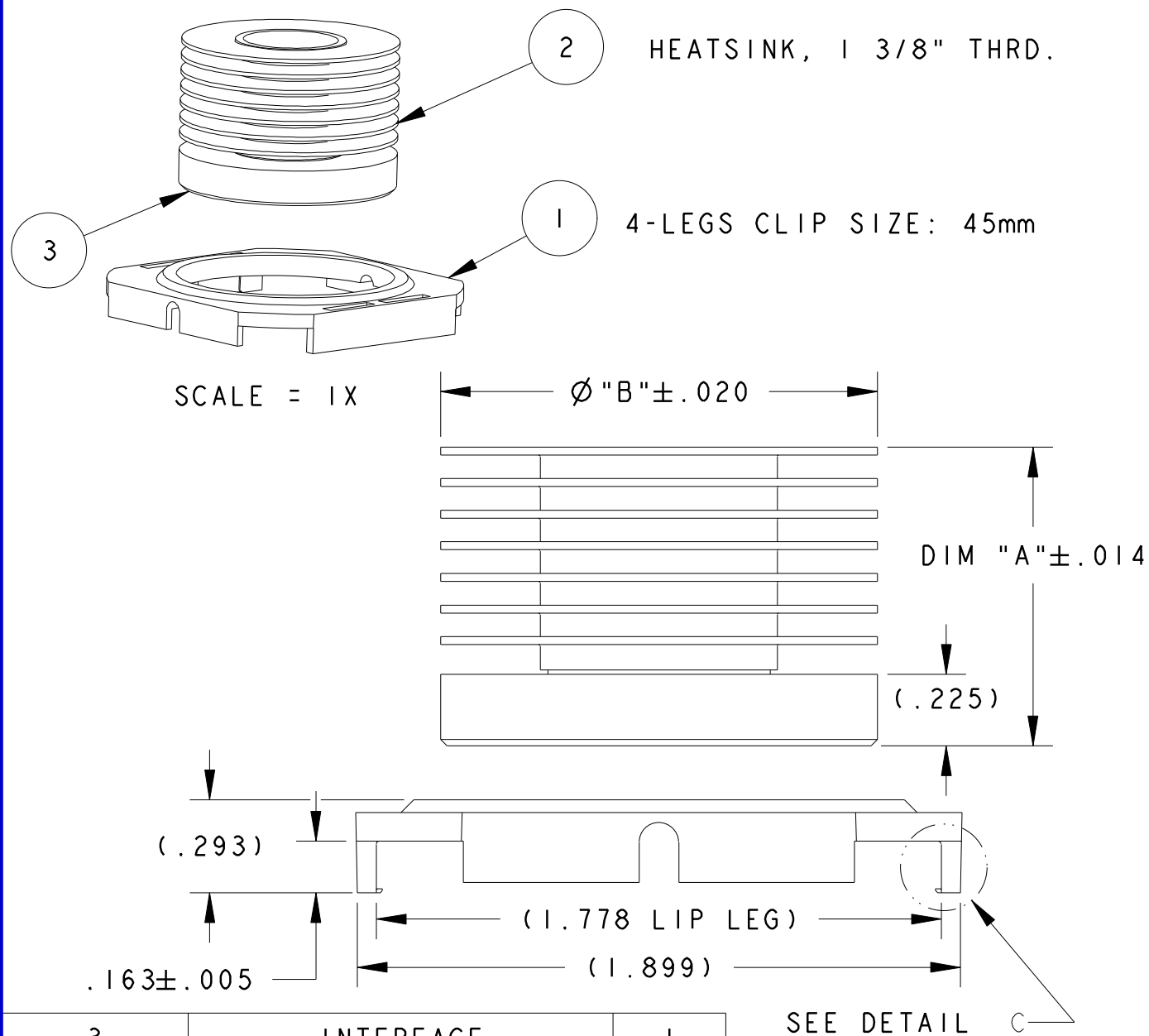
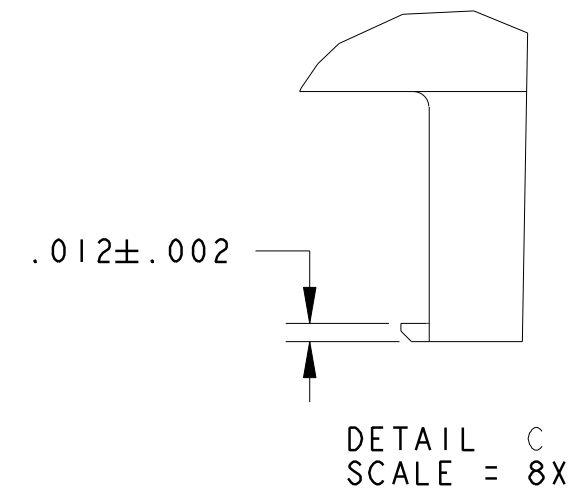


CUSTOMER DRAWING
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



| 3        | INTERFACE              | 1   |
|----------|------------------------|-----|
| 2        | HEATSINK, 1 3/8" THRD. | 1   |
| 1        | MOUNTING CLIP          | 1   |
| ITEM NO. | DESCRIPTION            | QTY |

TABLE 1 (BOM)



1. MATERIAL:
- HEAT SINK: ALUMINUM  
CLIP: BLACK PEI (UL94-V0)
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:
- 2.5 POUND-FORCE INCH TORQUE = 7.8 POUND-FORCE  
(0.28 NEWTON METER TORQUE = 34.70 NEWTON)
- 3.0 POUND-FORCE INCH TORQUE = 9.4 POUND-FORCE  
(0.34 NEWTON METER TORQUE = 41.81 NEWTON)
- FULL SIZE LID PACKAGE:
- 2.5 POUND-FORCE INCH TORQUE = 6.3 POUND-FORCE  
(0.28 NEWTON METER TORQUE = 28.02 NEWTON)
- 3.0 POUND-FORCE INCH TORQUE = 7.6 POUND-FORCE  
(0.34 NEWTON METER TORQUE = 33.81 NEWTON)
3. REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1
4. RoHS COMPLIANT AND CERTIFIED.

| 200 LFM       | 400 LFM | 600 LFM |                      |                                 |       |         |
|---------------|---------|---------|----------------------|---------------------------------|-------|---------|
| 2.95          | 2.01    | 1.58    | 2-1963563-7          | Ø2.000" HS, 1 3/8" THRD. 7 FINS | 2.000 | .940    |
| 3.36          | 2.23    | 1.76    | 2-1963563-5          | Ø2.000" HS, 1 3/8" THRD. 5 FINS | 2.000 | .740    |
| 3.67          | 2.40    | 1.90    | 2-1963563-4          | Ø2.000" HS, 1 3/8" THRD. 4 FINS | 2.000 | .640    |
| 4.02          | 2.67    | 2.12    | 2-1963563-3          | Ø2.000" HS, 1 3/8" THRD. 3 FINS | 2.000 | .540    |
| 4.35          | 2.98    | 2.34    | 2-1963563-2          | Ø2.000" HS, 1 3/8" THRD. 2 FINS | 2.000 | .440    |
| 3.67          | 2.45    | 1.88    | 1-1963563-7          | Ø1.375" HS, 1 3/8" THRD, 7 FINS | 1.375 | .940    |
| 4.18          | 2.74    | 2.11    | 1-1963563-5          | Ø1.375" HS, 1 3/8" THRD, 5 FINS | 1.375 | .740    |
| 4.56          | 2.95    | 2.28    | 1-1963563-4          | Ø1.375" HS, 1 3/8" THRD, 4 FINS | 1.375 | .640    |
| 4.98          | 3.30    | 2.56    | 1-1963563-3          | Ø1.375" HS, 1 3/8" THRD, 3 FINS | 1.375 | .540    |
| 5.40          | 3.66    | 2.84    | 1-1963563-2          | Ø1.375" HS, 1 3/8" THRD. 2 FINS | 1.375 | .440    |
| Rca (°C/WATT) |         |         | ASSEMBLY HS PART NO. | DESCRIPTION                     | Ø "B" | DIM "A" |

THERMAL PERFORMANCE

TABLE 2

| REV. | REV. INFO                                                         | REV. |
|------|-------------------------------------------------------------------|------|
| A    | RELEASE<br>ERN #: 112104<br>E.TAO 5-4-07<br>APP'D: V.K 5-4-07     | A    |
| B    | RELEASED<br>ECR-07-012339<br>ETAO 5-24-07<br>APP'D: V.K 5-24-07   | B    |
| B1   | 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 |      |

DO NOT SCALE

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

.XX ± .

.XXX ± .

.XXXX ± .

ANGLES ± °

DRAWN BY: E.TAO

ENGINEER: V. KHEIL

FILENAME

PROJECT

SYSTEM

DATE: 5-4-07

DATE: 5-4-07

PRO-E

North Attleboro, Massachusetts 02760

MATERIAL: N/A

FINISH: N/A

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DIMENSIONS ARE IN: INCHES

SCALE: 2:1

SIZE: B

TITLE: ASSEMBLY HEATSINK WITH 4 LEGS, 45mm CLIP

TE PART NO.: SEE TABLE 2

DWG. NO.: C-1963563

SHEET 1 of 1

REV. B1

# Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[1-1963563-7](#)