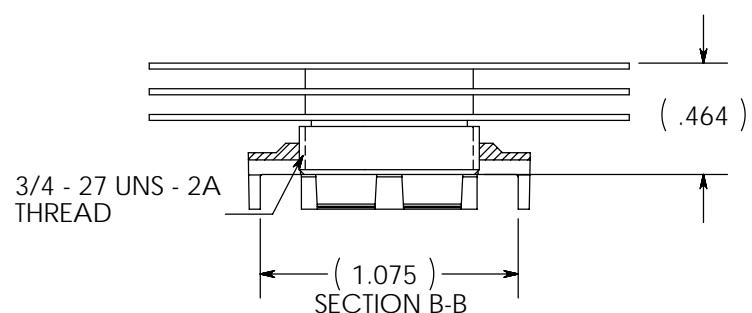
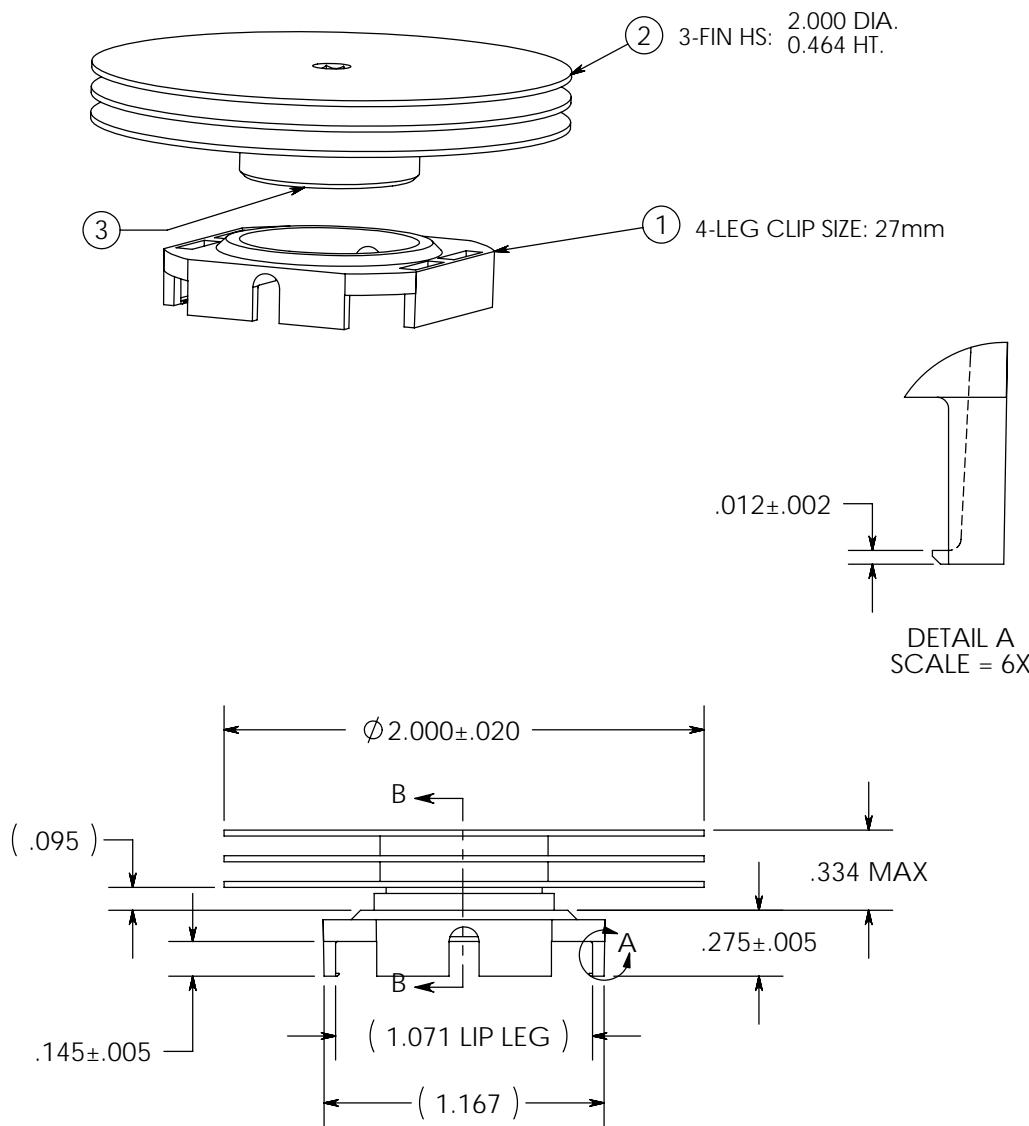


| REVISION(S) | | | |
|-------------|----------------------|--------------|--------------|
| LTR | DESCRIPTION | INIT | APP'D |
| A | ERN#: 112447 RELEASE | E.T 12/4/07 | B.P 12/4/07 |
| B | ECR-07-030355 | E.T 12/17/07 | B.P 12/21/07 |



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:

1.5 POUND-FORCE INCH TORQUE = 7.5 POUND-FORCE
(0.17 NEWTON METER TORQUE = 33.36 NEWTON)

2.0 POUND-FORCE INCH TORQUE = 10.0 POUND-FORCE
(0.23 NEWTON METER TORQUE = 44.48 NEWTON)

FULL SIZE LID PACKAGE:

1.5 POUND-FORCE INCH TORQUE = 6.9 POUND-FORCE
(0.17 NEWTON METER TORQUE = 30.69 NEWTON)

2.0 POUND-FORCE INCH TORQUE = 9.3 POUND-FORCE
(0.23 NEWTON METER TORQUE = 41.37 NEWTON)

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

4. RoHS COMPLIANT AND CERTIFIED.

CUSTOMER DRAWING

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

| ITEM | DESCRIPTION | QTY | DO NOT SCALE |
|------|---------------|-----|--------------|
| 1 | MOUNTING CLIP | 1 | |
| 2 | HEAT SINK | 1 | |
| 3 | INTERFACE | 1 | |

| | | | | | | | | |
|---|--------------------|-----------------|-----------------------|---|-----------------|---------------------|------------------------------|-------------------------------------|
| UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: XX ± . XXX ± . XXXX ± . ANGLES ± * | DRAWN BY: E.TAO | DATE 12/4/07 | MATERIAL: SEE NOTE | Tyco Electronics North Attleboro, Massachusetts 02763 | | | | TITLE: 27mm HEATSINK ASSEMBLY |
| | | | | ENGINEER: B.PETROCELLI | DATE 12/4/07 | FINISH: SEE NOTE | DIMENSIONS ARE IN: INCHES | |
| | | | | FILENAME | PROJECT | SYSTEM | | |

| | | | | | | | |
|----------------------------|------------|-----------------------|-----------|--|--------|---|---|
| TINRED ANGLE PROJECTION | SIZE: A | DWG. NO: C-1963800 | REV: B | CONFIDENTIAL PROPERTY OF TYCO ELECTRONICS. NOT TO BE DISCLOSED OR COPIED. NOT FOR SALE OR ANY PURPOSES EXCEPT AS AUTHORIZED IN WRITING BY AN AUTHORIZED OFFICIAL OF TE. MUST BE RETURNED TO TE ON DEMAND, ON COMPLETION OF ORDERS OR FOR OTHER PURPOSES FOR WHICH LENT. | | | |
| | | | | + | — | — | — |
| | | | | INCHES | 1.25:1 | | |

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