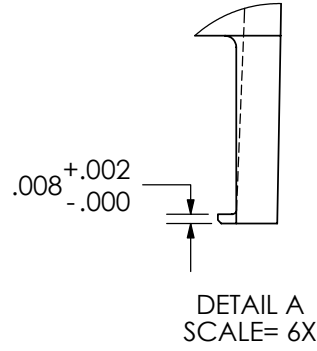
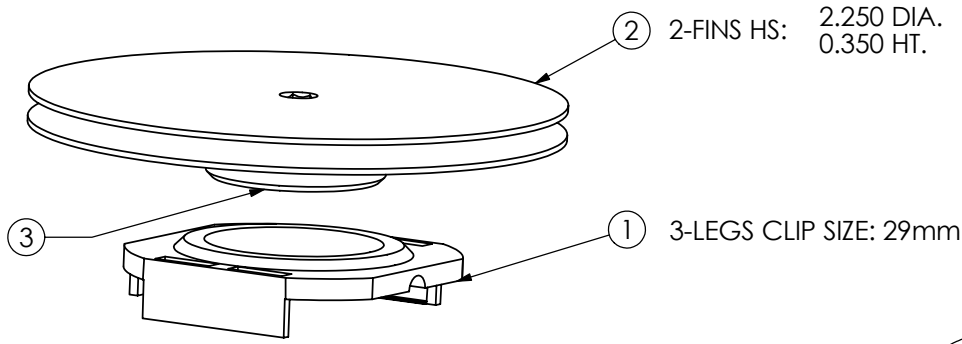


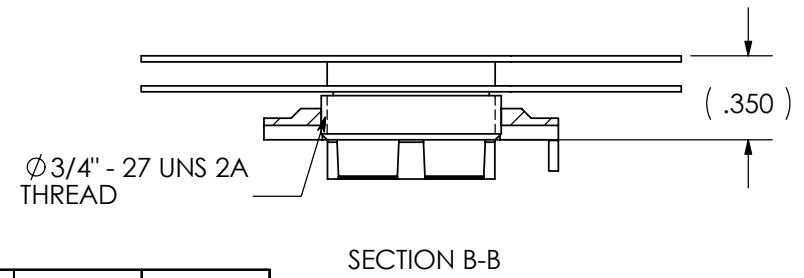
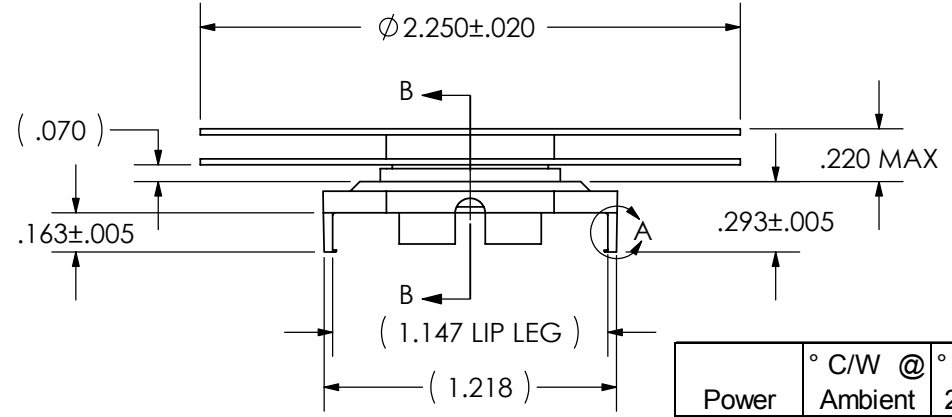
**REVISION(S)**

LTR	DESCRIPTION	INIT	APP'D
O	ECN: 0S60-0047-04	E.T 2/24/04	B.P 2/24/04
A	ECN: 0S60-0154-04	E.T 6/3/04	B.P 6/3/04
B	ECO-06-006780	E.T 3/22/06	C.W 3/22/06



**NOTE:**

- MATERIAL:**  
HEAT SINK: ALUM. (BLACK ANODIZE)  
CLIP: BLACK PEI (UL94-VO)
- 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 INCH - LB TORQUE = 7.5 LBS FORCE  
2.0 INCH - LB TORQUE =10 LBS FORCE  
  
FULL SIZE LID PACKAGE:  
1.5 INCH - LB TORQUE = 6.9 LBS FORCE  
2.0 INCH - LB TORQUE = 9.3 LBS FORCE
- REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1.
- RoHS COMPLIANT AND CERTIFIED.



Power	° C/W @ Ambient	° C/W @ 200 LFM	° C/W @ 400 LFM	° C/W @ 600 LFM
5 Watts	8.71	4.55	2.98	2.37
10 Watts	8.07	4.57	2.99	2.39
15 Watts	7.50	4.53	2.99	2.39

**CUSTOMER DRAWING**

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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

**tyco** / Electronics    Attleboro Falls Massachusetts 02763

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

DRAWN BY: E.TAO    DATE: 02/24/04

ENGINEER: B.PETROCELLI    DATE: 02/24/04

FILENAME    PROJECT    SYSTEM

MATERIAL: SEE NOTE

FINISH: SEE NOTE

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TITLE: **29mm HEATSINK ASSEMBLY**

DIMENSIONS ARE IN: INCHES    SCALE: 1.25:1    PART NO: **1-1542009-4**    SHEET: 1 OF 1

THIRD ANGLE PROJECTION    SIZE: **A**    DWG. NO. **C-1-1542009-4**    REV: **B**