

REVISION(S)			
LTR	DESCRIPTION	INIT	APP'D
O	ECN: 0S60-0055-04	E.T 03/09/04	S.D 3/11/04
A	ECN: 0S60-0126-04	E.T 5/14/04	B.P 5/14/04
B	ECN: 0S60-0181-04	E.T 7/12/04	B.P 7/14/04
C	ECR-06-014978	E.T 6/23/06	V.K 6/26/06

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:

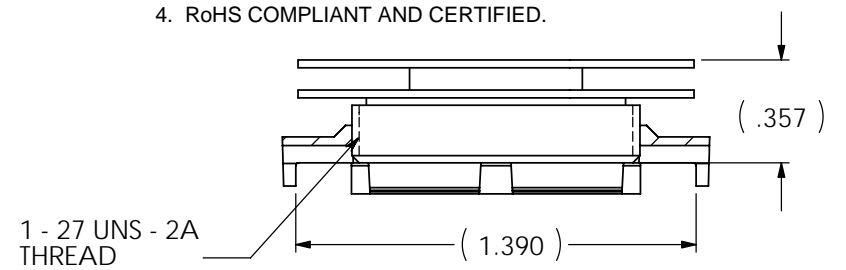
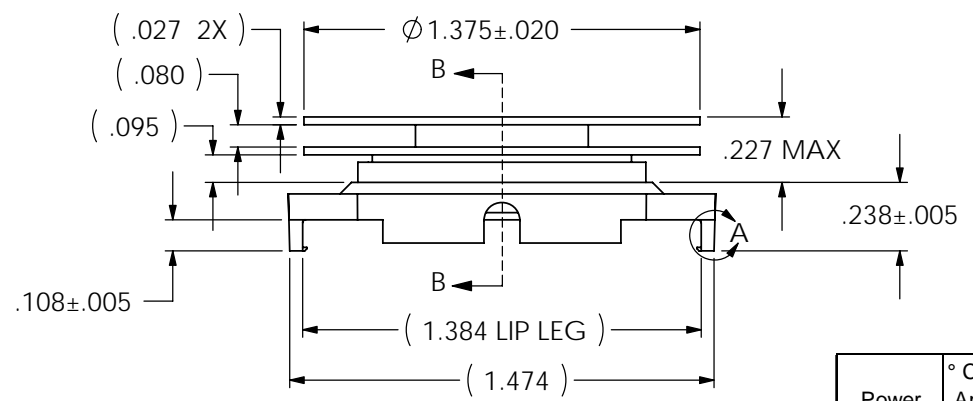
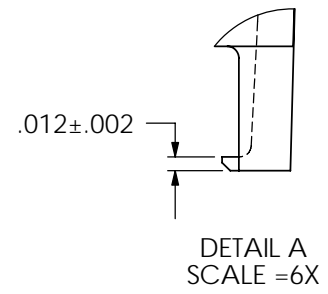
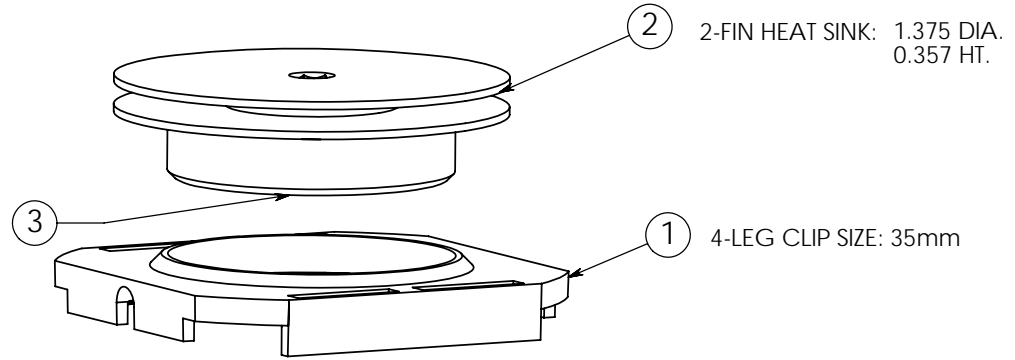
- 2.0 POUND-FORCE INCH TORQUE = 8.1 POUND-FORCE (0.23 NEWTON METER TORQUE = 36.03 NEWTON)
- 2.5 POUND-FORCE INCH TORQUE = 10.1 POUND-FORCE (0.28 NEWTON METER TORQUE = 44.93 NEWTON)

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.



Power	° C/W @ Ambient	° C/W @ 200 LFM	° C/W @ 400 LFM	° C/W @ 600 LFM
5 Watts	12.04	6.32	4.30	3.00
10 Watts	10.94	6.44	4.49	3.24
15 Watts	10.07	6.44	4.59	3.26

**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  
Atteboro Falls Massachusetts 02763

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

DO NOT SCALE

DRAWN BY: E.TAO      DATE: 03/09/04  
ENGINEER: S.D      DATE: 03/11/04

FILENAME:      PROJECT:      SYSTEM:

MATERIAL: SEE NOTE  
FINISH: SEE NOTE

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TITLE: **35mm HEATSINK ASSEMBLY (HTS501-U)**

DIMENSIONS ARE IN: INCHES      SCALE: 1.5:1      PART NO: **1542003-3**      SHEET: 1 OF 1

SIZE: **A**      DWG. NO. **C-1542003-3**      REV: **C**

THIRD ANGLE PROJECTION