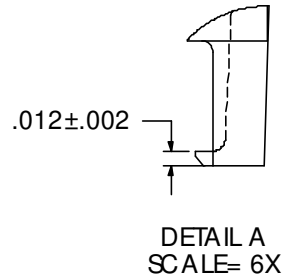
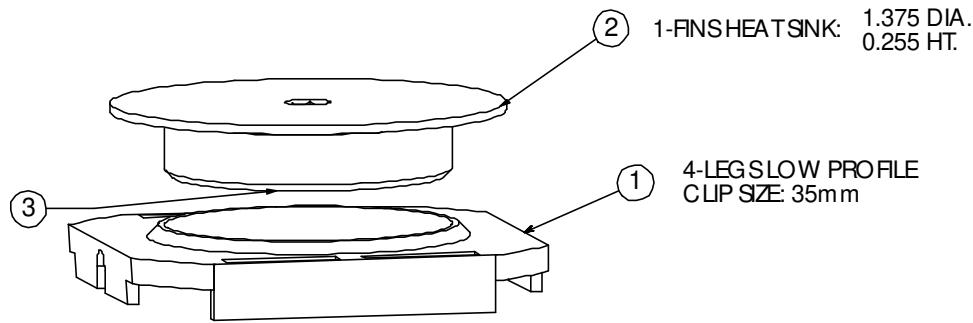


REVISION(S)			
LTR	DESCRIPTION	INIT	APP'D
A	ECR-06-007721	E.T 3/29/06	C.W 3/29/06



NOTE:

1. MATERIAL:

HEAT SINK: ALUM. (BLACK ANODIZE)
CLIP: BLACK PEI (UL94-VO)

2. SPECIFICATION OF MAXIMUM LOAD ON THE BGA PACKAGE SHOULD BE IDENTIFIED BY THE USER BEFORE THE HEATSINK APPLICATION.

HEATSINK TORQUE SPECIFICATIONS CONVERTED TO FORCE.

BARE DIE PACKAGE:

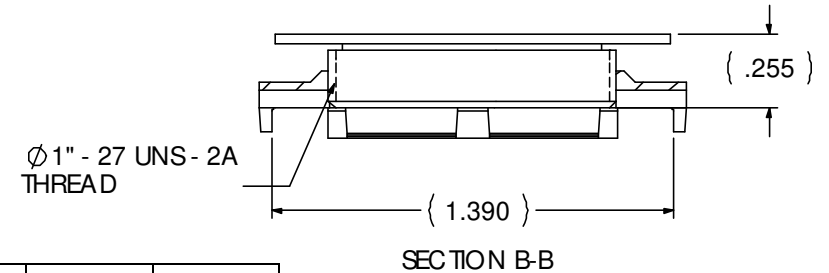
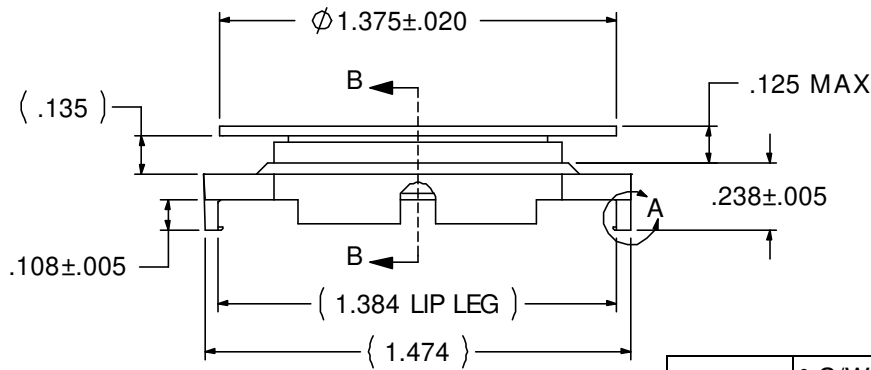
2.0 INCH - LB TORQUE = 8.1 LBS FORCE
2.5 INCH - LB TORQUE = 10.1 LBS FORCE

FULL SIZE LID PACKAGE:

2.0 INCH - LB TORQUE = 6.9 LBS FORCE
2.5 INCH - LB TORQUE = 8.7 LBS FORCE

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	12.77	8.19	5.26	4.31
10 Watts	11.46	8.05	5.21	4.51
15 Watts	10.60	7.93	5.45	4.41

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 TO LEFANCES ARE:

.XX ± .
.XXX ± .
.XXXX ± .
ANGLES ± °

DRAWN BY: E.TAO DATE: 01/13/04

ENGINEER: S.DELPRETE DATE: 01/13/04

FILENAME PROJECT SYSTEM

MATERIAL: SEE NOTE

FINISH: SEE NOTE

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TITLE: 35mm LOW PROFILE HEAT SINK ASSEMBLY (HTS659-P)

PARTNO: 3-1542003-3

DIMENSIONS ARE IN: INCHES SCALE: 1.5:1 SIZE: A

THIRD ANGLE PROJECTION

DWG. NO. C-3-1542003-3

SHEET: 1 OF 1 REV: A