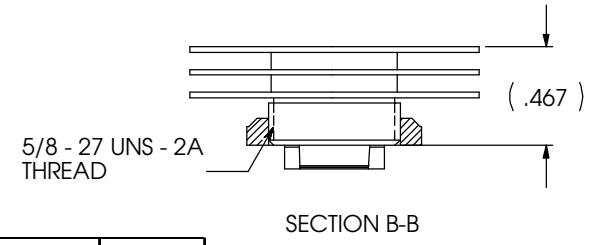
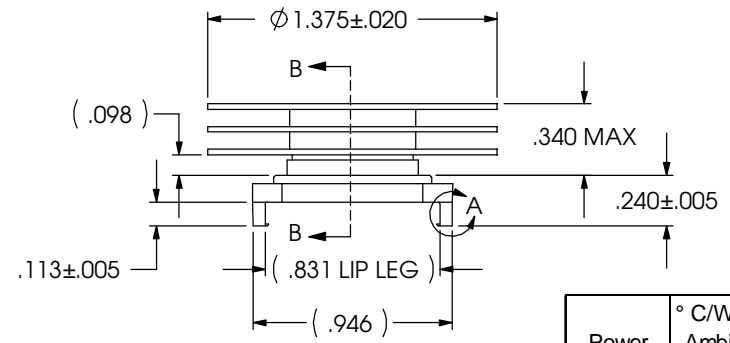
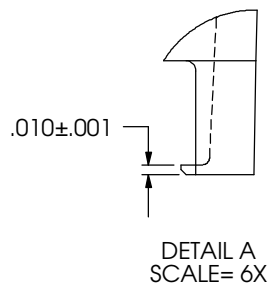
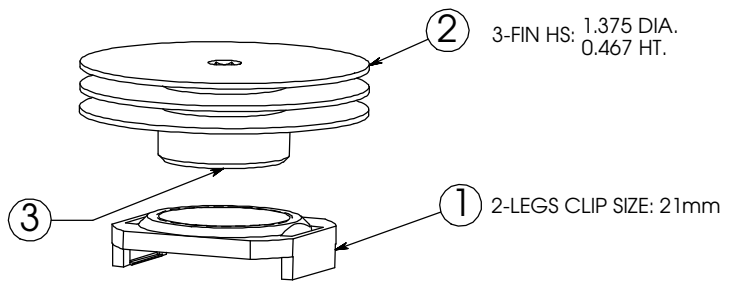


8 7 6 5 4 3 2 1

REVISION(S)			
LTR	DESCRIPTION	INIT	APP'D
A	ERN #: 111944	E.T 2/15/07	V.K 2/15/07
B	ECO-07-006350	BM 3-19-07	VK 3-19-07



- 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 POUND-FORCE INCH TORQUE = 8.5 POUND-FORCE (0.17 NEWTON METER TORQUE = 37.81 NEWTON)  
2.0 POUND-FORCE INCH TORQUE = 11.4 POUND-FORCE (0.23 NEWTON METER TORQUE = 50.71 NEWTON)  
  
FULL SIZE LID PACKAGE:  
1.5 POUND-FORCE INCH TORQUE = 8.3 POUND-FORCE (0.17 NEWTON METER TORQUE = 36.92 NEWTON)  
2.0 POUND-FORCE INCH TORQUE = 11.1 POUND-FORCE (0.23 NEWTON METER TORQUE = 49.38 NEWTON)
- RoHS COMPLIANT AND CERTIFIED.

Power	° C/W @ Ambient	° C/W @ 200 LFM	° C/W @ 400 LFM	° C/W @ 600 LFM
5 Watts	13.23	5.99	4.05	3.45
10 Watts	11.44	6.03	3.84	3.31
15 Watts	10.46	6.04	3.72	3.28

**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 ± °

DO NOT SCALE

DRAWN BY: E.TAO	DATE: 2/15/07	MATERIAL: SEE NOTE
ENGINEER: V. KHEIL	DATE: 2/15/07	FINISH: SEE NOTE
FILENAME:	PROJECT:	SYSTEM:

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TITLE: **21mm HEATSINK ASSEMBLY**

DIMENSIONS ARE IN: INCHES  
SCALE: 1:25:1  
SIZE: A  
TMRD ANGLE PROJECTION:

PART NO.: **1963350-1**  
DWG. NO.: **C-1963350**

SHEET: 1 OF 1  
REV: **B**

8 7 6 5 4 3 2 1