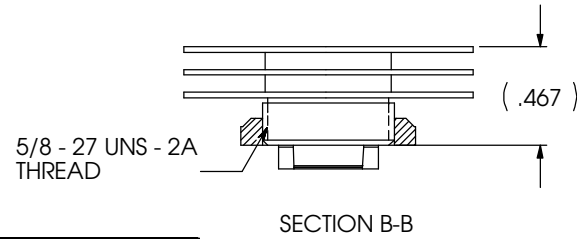
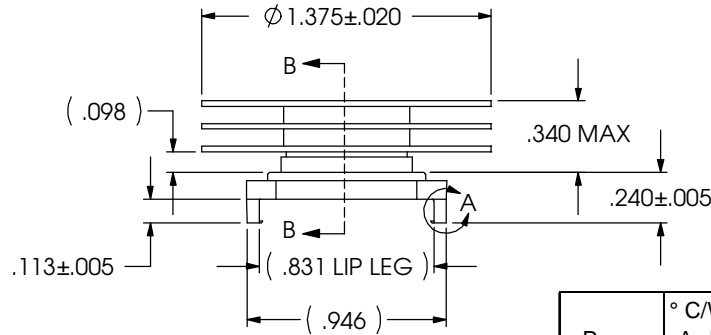
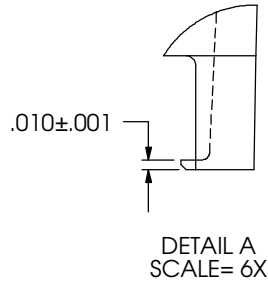
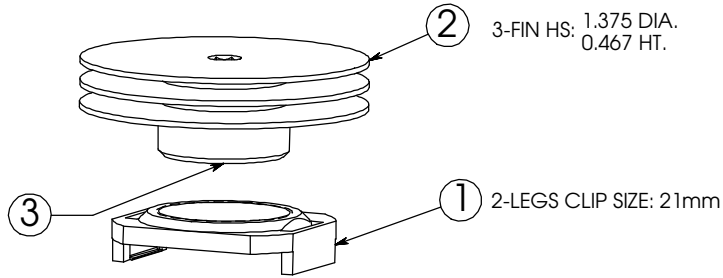


8 7 6 5 4 3 2 1

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 ± °

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	PART NO.:	1963350-1	SHEET: 1 OF 1
TNRD ANGLE PROJECTION	SIZE: A	DWG. NO.:	C-1963350	REV.:

8 7 6 5 4 3 2 1