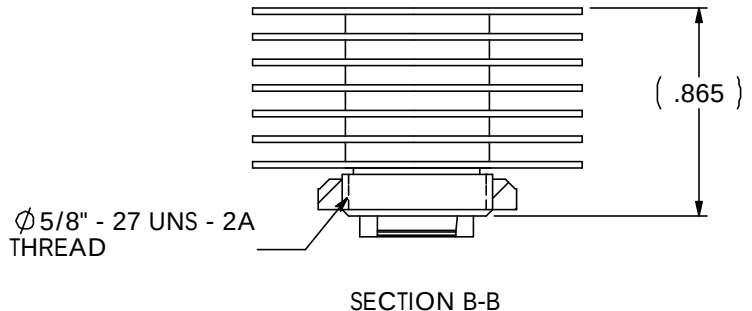
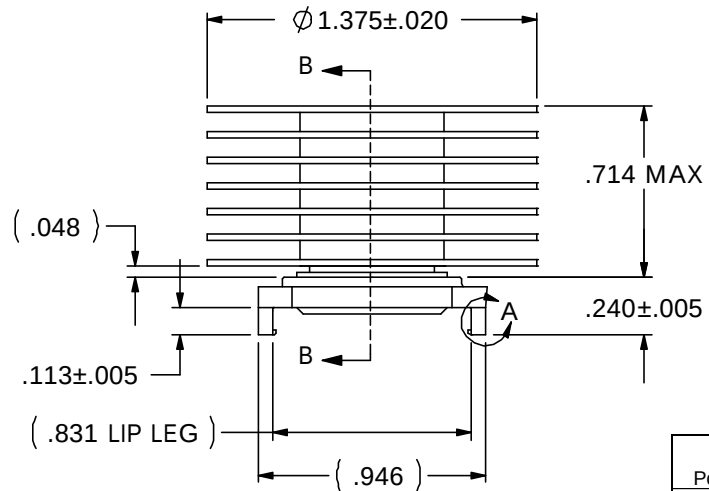
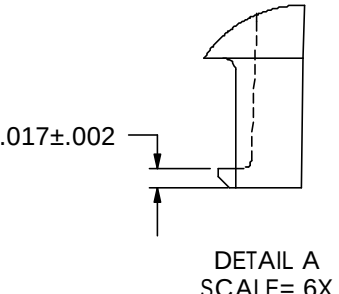
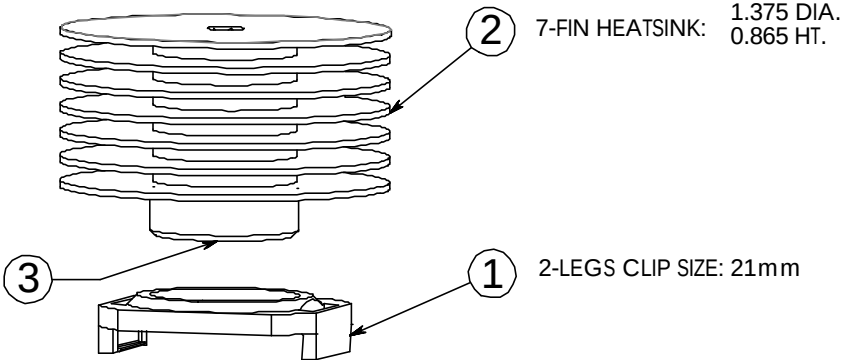


REVISION(S)			
LTR	DESCRIPTION	INIT	APP'D
A	ECO-05-008423	E.T 9/15/05	B.P 12/1/05



- 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 = 8.5 LBS FORCE
2.0 INCH - LB TORQUE = 11.4 LBS FORCE

FULL SIZE LID PACKAGE:
1.5 INCH - LB TORQUE = 8.3 LBS FORCE
2.0 INCH - LB TORQUE = 11.1 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	10.56	3.80	3.25	2.20
10 Watts	9.56	3.77	2.97	2.13
15 Watts	8.79	3.75	2.97	2.06

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: 9/15/05

ENGINEER: B.PETROCELLI

DATE: 12/1/05

FILENAME: PROJECT: SYSTEM:

MATERIAL: SEE NOTE

FINISH: SEE NOTE

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DIMENSIONS ARE IN: INCHES

SCALE: 1.25:1

SIZE: A

THIRD ANGLE PROJECTION

TITLE: 21mm HEATSINK ASSEMBLY (HTS339-P)

PART NO: 8-1542001-0

DWG. NO. C-8-1542001-0

SHEET: 1 OF 1

REV: A