

REVISION(S)

LTR	DESCRIPTION	INIT	APP'D
O	ECN: 0S60-0242-04	E.T 10/6/04	B.P 10/11/04
A	ECO-06-006780	E.T 3/23/06	C.W 3/23/06

NOTE:

1. MATERIAL:

HEAT SINK: ALUM. (BLACK ANODIZE)
CLIP: BLACK PEI (UL94-V0)

2. BEFORE THE HEATSINK APPLICATION, THE USER SHOULD IDENTIFY THE SPECIFICATION OF MAXIMUM LOAD ON THE BGA PACKAGE.

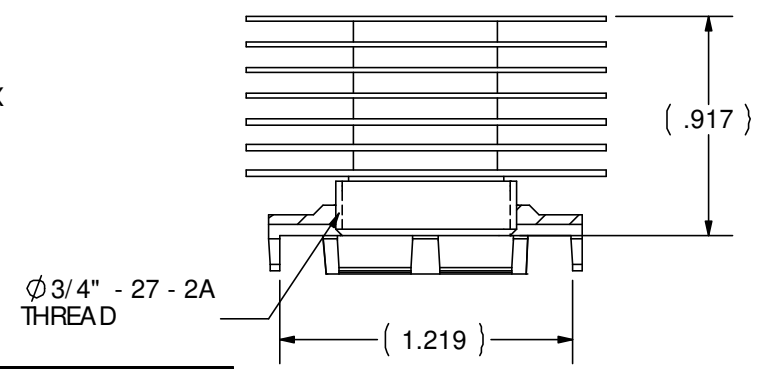
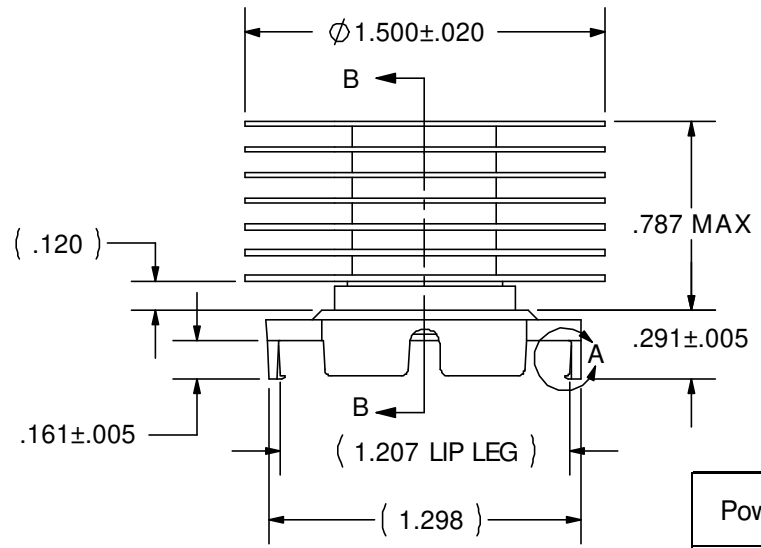
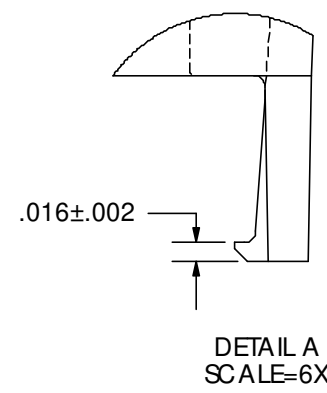
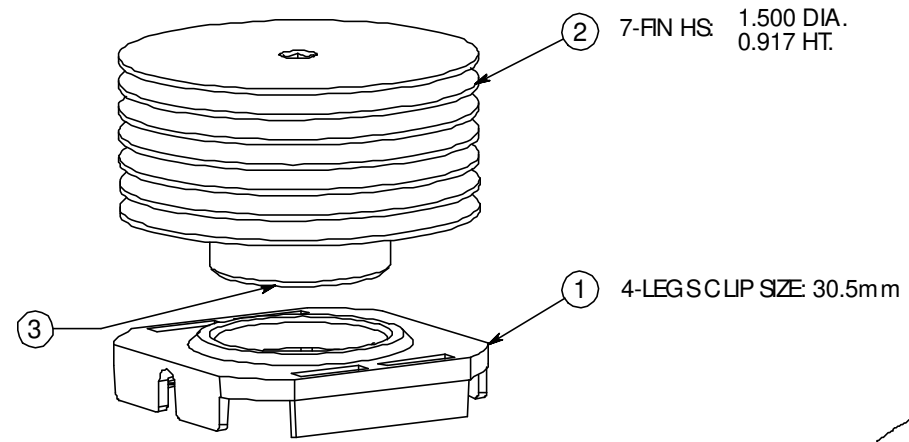
HEATSINK TORQUE SPECIFICATIONS CONVERTED TO FORCE.

BARE DIE PACKAGE:
1.5 INCH - LB TORQUE = 7.5 LBS FORCE
2.0 INCH - LB TORQUE = 10 LBS FORCE

FULL SIZE LID PACKAGE:
1.5 INCH - LB TORQUE = 6.9 LBS FORCE
2.0 INCH - LB TORQUE = 9.3 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	10.34	3.30	2.55	2.15
10 Watts	9.03	3.26	2.42	2.03
15 Watts	8.29	3.28	2.46	1.96

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 LEFT ANGLES ARE:

DRAWN BY: E.TAO	DATE: 10/6/04
ENGINEER: B.PETROCELLI	DATE: 10/11/04
FILENAME	PROJECT SYSTEM

MATERIAL: SEE NOTE

FINISH: SEE NOTE

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TITLE: 30.5mm LOW PROFILE HEATSINK ASSEMBLY (HTS649-P)

DIMENSIONS ARE IN: INCHES	SCALE: 1.25:1	PARTNO: 7-1542003-5	SHEET: 1 OF 1
THIRD ANGLE PROJECTION	SIZE: A	DWG. NO. C-7-1542003-5	REV: A