

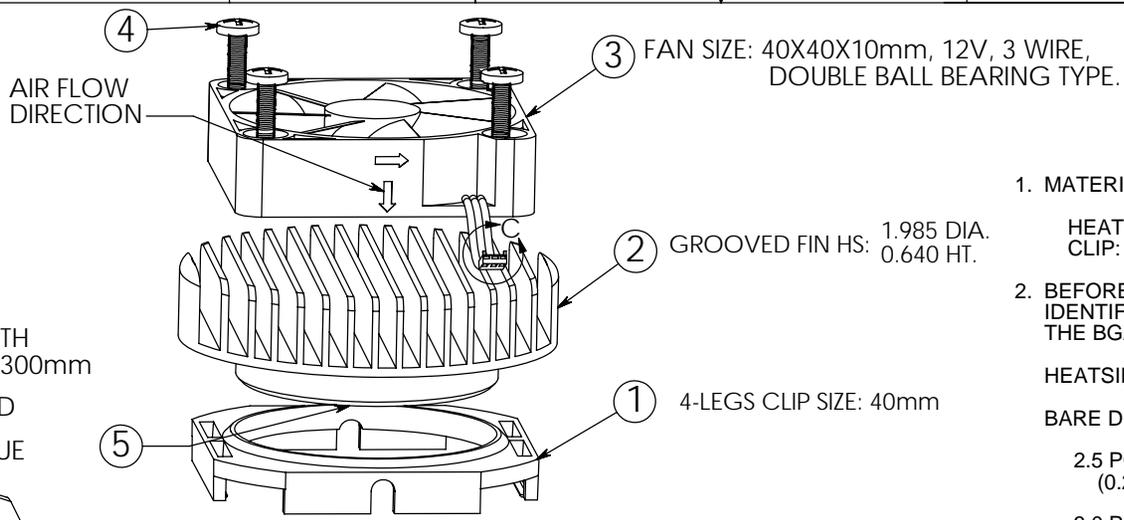
D

C

B

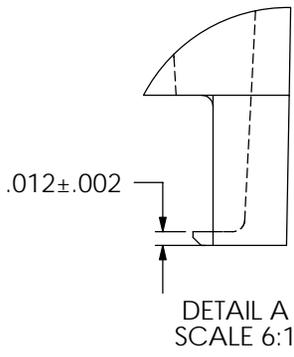
A

REVISION(S)			
LTR	DESCRIPTION	INIT	APP'D
O	ECN: 0S60-0180-04	E.T 8/9/04	B.P 8/10/04
A	ECR-06-020318	E.T 8/25/06	V.K 8/25/06
A1	ECR-06-023572	E.T 10/13/06	V.K 10/13/06

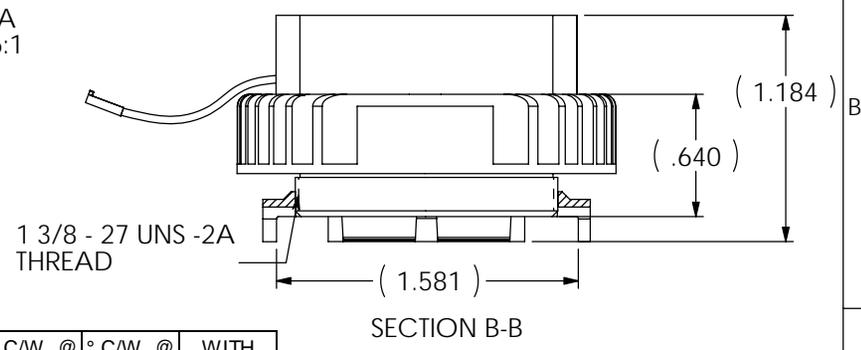
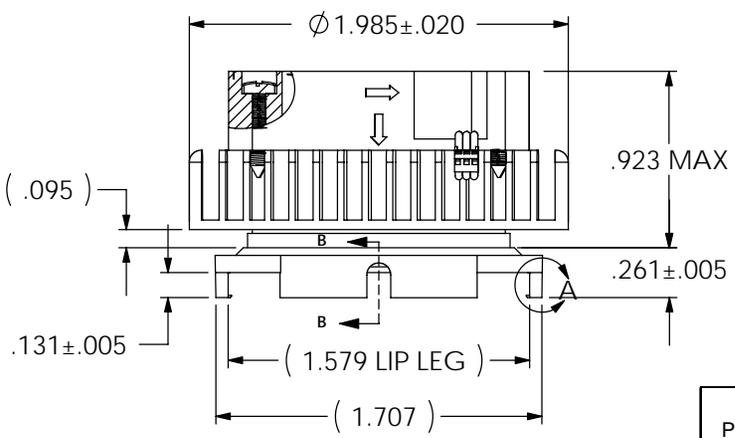


- MATERIAL:
HEAT SINK: ALUM. (BLACK ANODIZE)
CLIP: BLACK PEI (UL94-VO)
- BEFORE THE HEATSINK APPLICATION, THE USER SHOULD IDENTIFY THE SPECIFICATION OF MAXIMUM LOAD ON THE BGA PACKAGE.

HEATSINK TORQUE SPECIFICATIONS CONVERTED TO FORCE.
BARE DIE PACKAGE:
2.5 POUND-FORCE INCH TORQUE = 7.8 POUND-FORCE (0.28 NEWTON METER TORQUE = 347.70 NEWTON)
3.0 POUND-FORCE INCH TORQUE = 9.4 POUND-FORCE (0.34 NEWTON METER TORQUE = 41.81 NEWTON)
FULL SIZE LID PACKAGE:
2.5 POUND-FORCE INCH TORQUE = 6.3 POUND-FORCE (0.28 NEWTON METER TORQUE = 28.02 NEWTON)
3.0 POUND-FORCE INCH TORQUE = 7.6 POUND-FORCE (0.34 NEWTON METER TORQUE = 33.81 NEWTON)
- REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1.
- RoHS COMPLIANT AND CERTIFIED.



DETAIL C SCALE 4 : 1



Power	° C/W @ Ambient	° C/W @ 200 LFM	° C/W @ 400 LFM	° C/W @ 600 LFM	WITH FAN
5 Watts	N/A	N/A	N/A	N/A	1.25
10 Watts	N/A	N/A	N/A	N/A	1.28
15 Watts	N/A	N/A	N/A	N/A	1.26

CUSTOMER DRAWING

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ITEM	DESCRIPTION	QTY
1	MOUNTING CLIP	1
2	HEAT SINK	1
3	FAN	1
4	SCREW	4
5	INTERFACE	1

DO NOT SCALE

tyco / Electronics Attleboro Falls Massachusetts 02763

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:
.XX ±
.XXX ±
.XXXX ±
ANGLES ± *

DRAWN BY: E.TAO DATE: 8/9/04 MATERIAL: SEE NOTE

ENGINEER: B.PETROCELLI DATE: 8/10/04 FINISH: SEE NOTE

FILENAME: PROJECT: SYSTEM:

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DIMENSIONS ARE IN: INCHES SCALE: 1:1 PART NO: 2-1542006-9

TNRD ANGLE PROJECTION

SIZE: A DWG. NO. C-2-1542006-9

TITLE: **40mm HEATSINK ASSEMBLY (HTS446B-U)**

SHEET: 1 OF 1 REV: A1