



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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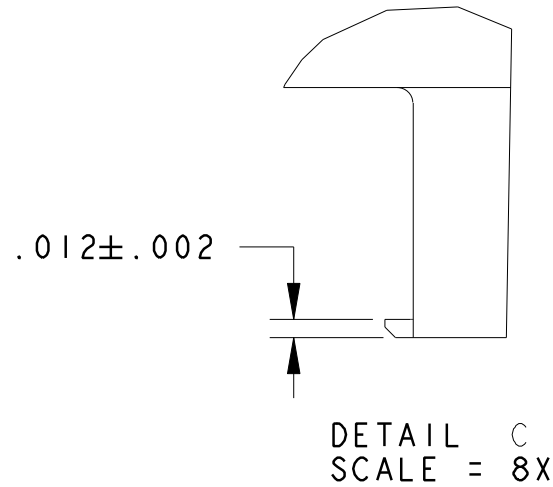
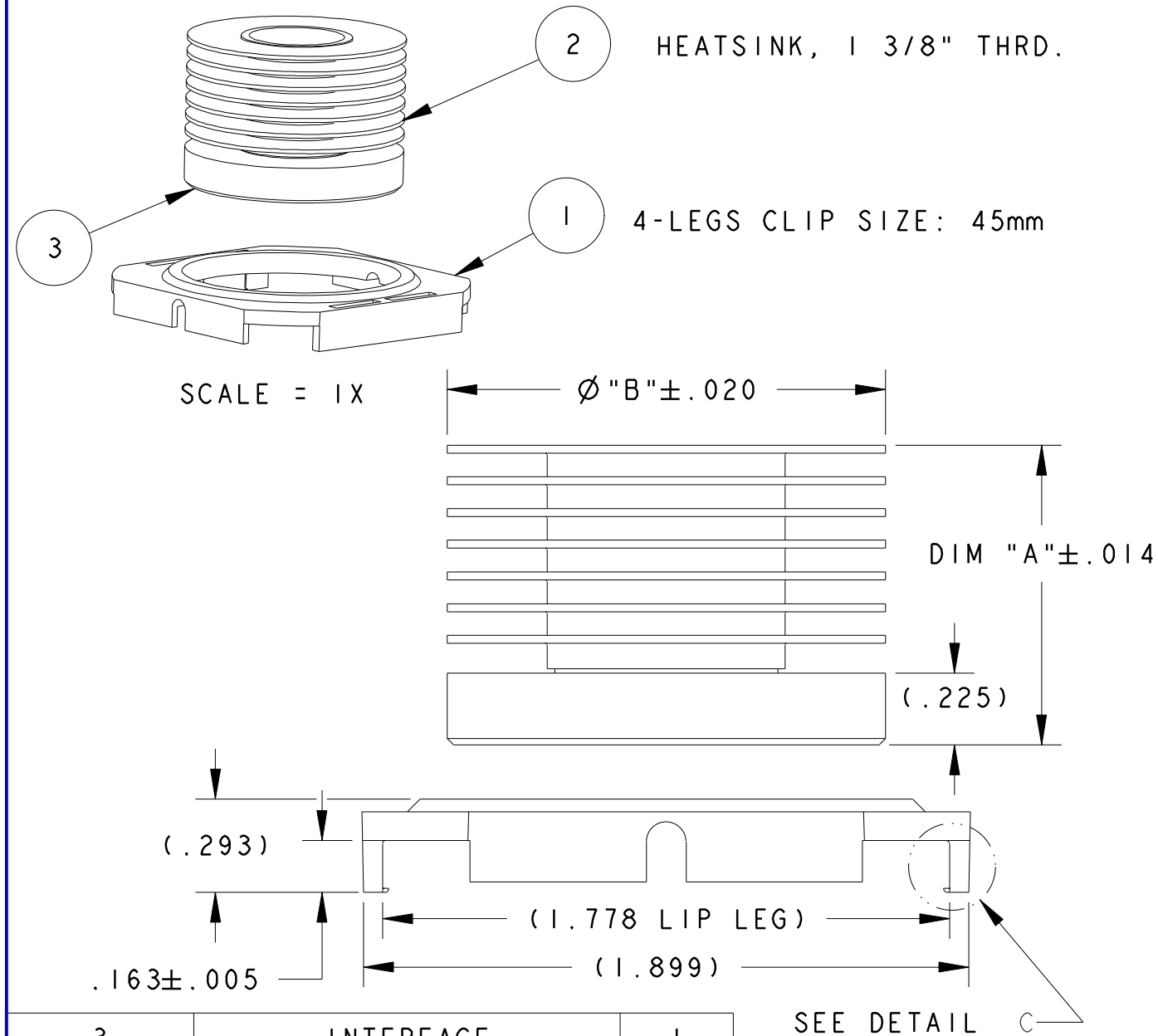
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CUSTOMER DRAWING

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



1. MATERIAL:

HEAT SINK: ALUMINUM
CLIP: BLACK PEI (UL94-V0)

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

SCREW DRIVER SLOT (.070 WIDE X .100 DEEP) PROVIDED IN THE CENTER PORTION OF THE HEAT SINK. FOR ACCURATE TORQUE SETTING, SCREW DRIVER BIT MUST BE ALIGNED TO THE CENTER LINE OF THE HEAT SINK.

HEATSINK TORQUE SPECIFICATIONS CONVERTED TO FORCE. BARE DIE PACKAGE:

2.5 POUND-FORCE INCH TORQUE = 7.8 POUND-FORCE
(0.28 NEWTON METER TORQUE = 34.70 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)

3. REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1

4. RoHS COMPLIANT AND CERTIFIED.

200 LFM	400 LFM	600 LFM				
2.95	2.01	1.58	2-1963563-7	$\varnothing 2.000$ " HS, 1 3/8" THRD. 7 FINS	2.000	.940
3.36	2.23	1.76	2-1963563-5	$\varnothing 2.000$ " HS, 1 3/8" THRD. 5 FINS	2.000	.740
3.67	2.40	1.90	2-1963563-4	$\varnothing 2.000$ " HS, 1 3/8" THRD. 4 FINS	2.000	.640
4.02	2.67	2.12	2-1963563-3	$\varnothing 2.000$ " HS, 1 3/8" THRD. 3 FINS	2.000	.540
4.35	2.98	2.34	2-1963563-2	$\varnothing 2.000$ " HS, 1 3/8" THRD. 2 FINS	2.000	.440
3.67	2.45	1.88	1-1963563-7	$\varnothing 1.375$ " HS, 1 3/8" THRD, 7 FINS	1.375	.940
4.18	2.74	2.11	1-1963563-5	$\varnothing 1.375$ " HS, 1 3/8" THRD, 5 FINS	1.375	.740
4.56	2.95	2.28	1-1963563-4	$\varnothing 1.375$ " HS, 1 3/8" THRD, 4 FINS	1.375	.640
4.98	3.30	2.56	1-1963563-3	$\varnothing 1.375$ " HS, 1 3/8" THRD, 3 FINS	1.375	.540
5.40	3.66	2.84	1-1963563-2	$\varnothing 1.375$ " HS, 1 3/8" THRD. 2 FINS	1.375	.440
Rca ($^{\circ}$ C/WATT)			ASSEMBLY HS PART NO.	DESCRIPTION	\varnothing "B"	DIM "A"
THERMAL PERFORMANCE			TABLE 2			

ITEM NO.	DESCRIPTION	QTY
3	INTERFACE	1
2	HEATSINK, 1 3/8" THRD.	1
1	MOUNTING CLIP	1

TABLE 1 (BOM)

REV.	DESCRIPTION
A	RELEASE ERN #: 112104 E.TAO 5-4-07 APP'D: V.K 5-4-07
AI	RELEASED ECR-07-012339 ETAO 5-24-07 APP'D: V.K 5-24-07
B	RELEASED ECO-07-023087 DA 10-1-07 APP'D: BP 10-18-07
BI	RELEASED ECR-07-030181 ETAO 12-14-07 APP'D: B.P 12-17-07

Tyco Electronics North Attleboro, Massachusetts 02760

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

DRAWN BY: E.TAO	DATE: 5-4-07
ENGINEER: V. KHEIL	DATE: 5-4-07
FILENAME: C-1963563	PROJECT: PRO-E

MATERIAL: N/A
FINISH: N/A

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TITLE: ASSEMBLY HEATSINK WITH 4 LEGS, 45mm CLIP

TE PART NO.: SEE TABLE 2
DWG. NO.: C-1963563

DIMENSIONS ARE IN: INCHES
SCALE: 2:1
SIZE: B

THIRD ANGLE PROJECTION

SHEET 1 of 1
REV. BI