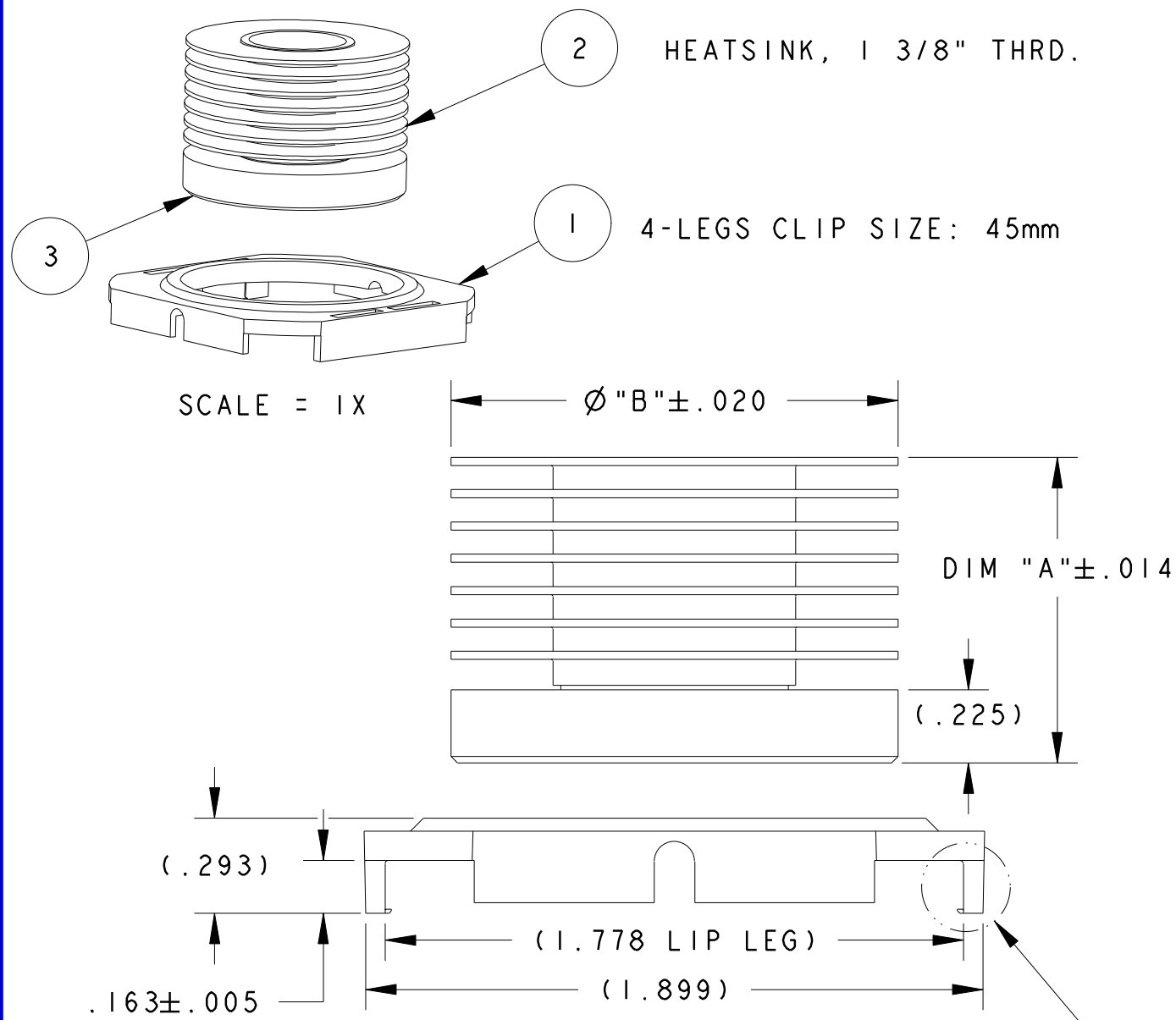
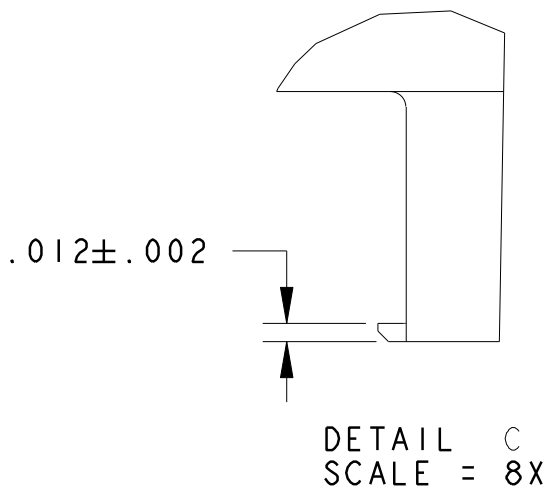


CUSTOMER DRAWING
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



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

TABLE 1 (BOM)



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	Ø2.000" HS, 1 3/8" THRD. 7 FINS	2.000	.940
3.36	2.23	1.76	2-1963563-5	Ø2.000" HS, 1 3/8" THRD. 5 FINS	2.000	.740
3.67	2.40	1.90	2-1963563-4	Ø2.000" HS, 1 3/8" THRD. 4 FINS	2.000	.640
4.02	2.67	2.12	2-1963563-3	Ø2.000" HS, 1 3/8" THRD. 3 FINS	2.000	.540
4.35	2.98	2.34	2-1963563-2	Ø2.000" HS, 1 3/8" THRD. 2 FINS	2.000	.440
3.67	2.45	1.88	1-1963563-7	Ø1.375" HS, 1 3/8" THRD. 7 FINS	1.375	.940
4.18	2.74	2.11	1-1963563-5	Ø1.375" HS, 1 3/8" THRD. 5 FINS	1.375	.740
4.56	2.95	2.28	1-1963563-4	Ø1.375" HS, 1 3/8" THRD. 4 FINS	1.375	.640
4.98	3.30	2.56	1-1963563-3	Ø1.375" HS, 1 3/8" THRD. 3 FINS	1.375	.540
5.40	3.66	2.84	1-1963563-2	Ø1.375" HS, 1 3/8" THRD. 2 FINS	1.375	.440
Rca (°C/WATT)			ASSEMBLY HS PART NO.	DESCRIPTION	Ø "B"	DIM "A"

THERMAL PERFORMANCE

TABLE 2

REV.	REV. INFO	REV.
A	RELEASE ERN #: 112104 E.TAO 5-4-07 APP'D: V.K 5-4-07	A1
B	RELEASED ECR-07-012339 ETAO 5-24-07 APP'D: V.K 5-24-07	B1
B	RELEASED ECO-07-023087 DA 10-1-07 APP'D: BP 10-18-07	B1
B1	RELEASED ECR-07-030181 ETAO 12-14-07 APP'D: B.P 12-17-07	

DO NOT SCALE	 Tyco Electronics		North Attleboro, Massachusetts 02760				CONFIDENTIAL PROPERTY OF TYCO ELECTRONICS. NOT TO BE DISCLOSED TO OTHERS. REPRODUCED OR USED FOR ANY PURPOSES EXCEPT AS AUTHORIZED IN WRITING BY AN AUTHORIZED OFFICIAL OF TYCO ELECTRONICS. MUST BE RETURNED TO TYCO ELECTRONICS ON DEMAND, ON COMPLETION OF ORDER OR OTHER PURPOSES FOR WHICH LENT.		TITLE: ASSEMBLY HEATSINK WITH 4 LEGS, 45mm CLIP														
	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: .XX ± . .XXX ± . .XXXX ± . ANGLES ± °	DRAWN BY: E.TAO		DATE: 5-4-07		MATERIAL: N/A		DIMENSIONS ARE IN: INCHES		SCALE: 2:1		TE PART NO.: SEE TABLE 2		SHEET 1 of 1									
		ENGINEER: V. KHEIL		DATE: 5-4-07																			
		FILENAME		PROJECT		SYSTEM										THIRD ANGLE PROJECTION 		SIZE B		DWG. NO.: C-1963563		REV. B1	
		C-1963563				PRO-E																	

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