

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Technical drawing of a 10-hole punch card. The drawing shows the card from the front and a side view. The front view shows 10 horizontal slots. The side view shows the card's thickness and the lip leg. Dimensions are indicated with arrows and text:

- Overall width: $\varnothing "B" \pm .020$
- Overall height: DIM "A" $\pm .014$
- Slot depth: (.225)
- Lip leg length: (.912 LIP LEG)
- Overall length: (1.005)
- Reference: SEE DETAIL C

TABLE 1 (BOM)

DO NOT SCALE	 Tyco Electronics		North Attleboro, Massachusetts 02760		
	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: .XX ± . .XXX ± . .XXXX ± . ANGLES ± °	DRAWN BY: E.TAO	DATE: 4-24-07	MATERIAL: N/A	
		ENGINEER: V. KHEIL	DATE: 4-30-07		
		FILENAME C-1963552	PROJECT	SYSTEM	FINISH: N/A
				PRO-E	

TITLE:	
ASSEMBLY	
HEATSINK WITH	
2 LEGS, 23mm CLIP	
TE. PART NO.:	SHEET
SEE TABLE 2	1 of 1
DWG. NO.:	REV.
C-1963552	B1

NOTES: UNLESS OTHERWISE SPECIFIED:

1. INTERPRET DRAWING PER ASME Y14.5M-1994.
2. MATERIAL: HEAT SINK: ALUMINUM
CLIP: BLACK PEI (UL94-VO)
3. 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:
1.5 POUND-FORCE INCH TORQUE = 8.5 POUND-FORCE
(0.17 NEWTON METER TORQUE = 37.81 NEWTON)

2.0 POUND-FORCE INCH TORQUE = 11.4 POUND-FORCE
(0.23 NEWTON METER TORQUE = 50.71 NEWTON)

FULL SIZE LID PACKAGE:
1.5 POUND-FORCE INCH TORQUE = 8.3 POUND-FORCE
(0.17 NEWTON METER TORQUE = 36.92 NEWTON)

2.0 POUND-FORCE INCH TORQUE = 11.1 POUND-FORCE
(0.23 NEWTON METER TORQUE = 49.38 NEWTON)
4. REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1.
5. RoHS COMPLIANT AND CERTIFIED.

200 LFM	400 LFM	600 LFM	4. REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1. 5. RoHS COMPLIANT AND CERTIFIED.			
3.70	2.48	2.09	2-1963552-7	Ø2.000" HS, 5/8" THRD. 7 FINS	2.000	.940
4.28	2.77	2.26	2-1963552-5	Ø2.000" HS, 5/8" THRD. 5 FINS	2.000	.740
4.72	3.01	2.40	2-1963552-4	Ø2.000" HS, 5/8" THRD. 4 FINS	2.000	.640
5.19	3.32	2.64	2-1963552-3	Ø2.000" HS, 5/8" THRD. 3 FINS	2.000	.540
5.72	3.66	2.91	2-1963552-2	Ø2.000" HS, 5/8" THRD. 2 FINS	2.000	.440
4.89	3.37	2.71	1-1963552-7	Ø1.375" HS, 5/8" THRD, 7 FINS	1.375	.940
5.61	3.72	2.95	1-1963552-5	Ø1.375" HS, 5/8" THRD, 5 FINS	1.375	.740
6.16	4.01	3.13	1-1963552-4	Ø1.375" HS, 5/8" THRD, 4 FINS	1.375	.640
6.91	4.48	3.51	1-1963552-3	Ø1.375" HS, 5/8" THRD, 3 FINS	1.375	.540
7.67	4.96	3.89	1-1963552-2	Ø1.375" HS, 5/8" THRD. 2 FINS	1.375	.440
Rca (°C/WATT)			ASSEMBLY HS PART NO.	DESCRIPTION	Ø "B"	DIM "A"

TABLE 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1-1963552-3](#)