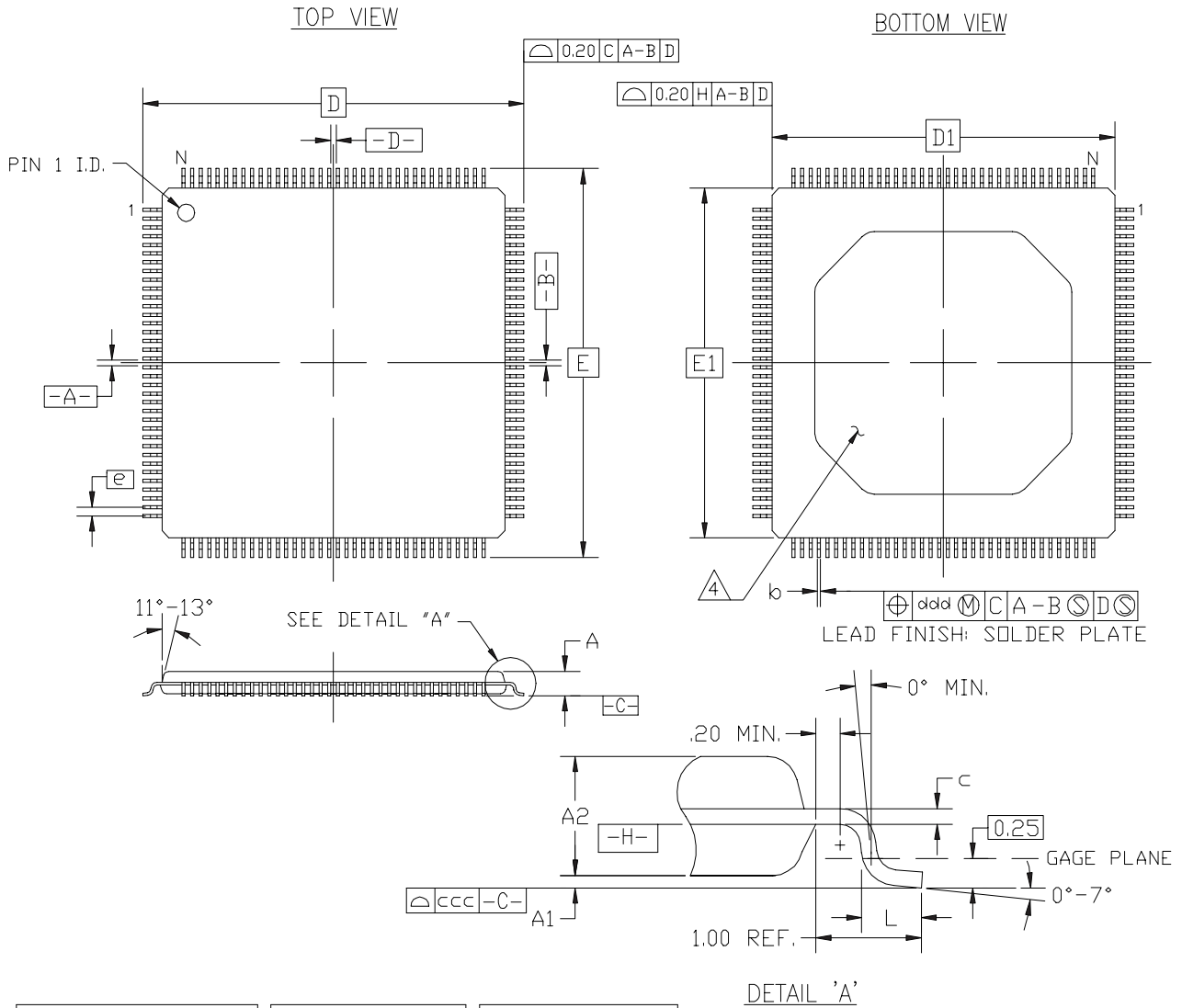


TQFP/HTQFP Packages - TQ100, TQ144, TQ176, HT100, HT144, HT176



DIMENSIONS	TQ/HT100			TQ/HT144			TQ/HT176		
	MILLIMETERS			MILLIMETERS			MILLIMETERS		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A	$\approx$	$\approx$	1.60	$\approx$	$\approx$	1.60	$\approx$	$\approx$	1.60
A <sub>1</sub>	0.05	$\approx$	0.15	0.05	0.10	0.15	0.05	0.10	0.15
A <sub>2</sub>	1.35	1.40	1.45	1.35	1.40	1.45	1.35	1.40	1.45
D/E	16.00 BSC			22.00 BSC			26.00 BSC		
D <sub>1</sub> /E <sub>1</sub>	14.00 BSC			20.00 BSC			24.00 BSC		
L	0.45	0.60	0.75	0.45	0.60	0.75	0.45	0.60	0.75
e	0.50 BSC			0.50 BSC			0.50 BSC		
b	0.17	0.22	0.27	0.17	0.22	0.27	0.17	0.22	0.27
c	0.09	$\approx$	0.20	0.09	$\approx$	0.20	0.09	$\approx$	0.20
ccc	$\approx$	$\approx$	0.08	$\approx$	$\approx$	0.08	$\approx$	$\approx$	0.08
ddd	$\approx$	$\approx$	0.08	$\approx$	$\approx$	0.08	$\approx$	$\approx$	0.08
N	100			144			176		
REF.	JEDEC MS-026-BED			JEDEC MS-026-BFB			JEDEC MS-026-BGA		

- NOTE:
1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ANSI Y14.5-1982
  2. DIMENSION D<sub>1</sub> AND E<sub>1</sub> DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE MOLD PROTRUSION SHALL NOT EXCEED 0.25mm PER SIDE.
  3. PACKAGE TOP DIMENSION MAY BE SMALLER THAN THE BOTTOM DIMENSION BY 0.15mm.
- $\triangle$  THE SAME PACKAGE DIMENSIONS APPLY FOR THERMALLY ENHANCED PRODUCTS. HEAT SINK IS ADDED. THE PACKAGE CODE IS "HT".

100, 144, 176-PIN TQFP/HEAT SINK TQFP (TQ/HT100, 144, 176)