Thin Plastic Quad Flatpack Package with Top Exposed Pad (TQFP-TEP)



Q64.10x10E

64 LEAD THIN PLASTIC QUAD FLATPACK PACKAGE WITH TOP EXPOSED PAD (TQFP-TEP)

	ACD			
SYMBOL	MIN	NOM.	MAX	NOTES
А	*	~ #	1.20	
A1	0.05	~ #~	0.15	12
A2	0.95	1.00	1.05	
D	12.00 BSC			4
D1	10.00 BSC			7, 8
D2	7.49 BSC			13
Е	12.00 BSC			4
E1	10.00 BSC			7, 8
E2	7.49 BSC			13
L	0.45	0.60	0.75	
Ν	64			
е	0.50 BSC			
b	0.17	0.22	0.27	9
b1	0.17	0.20	0.23	
CCC	~#	~¥~	0.08	
ddd	~#J	*	0.08	
	1	1	1	Rev. 1 7/11

NOTES:

- All dimensions and tolerances per ANSI Y14.5-1982.
- 2 Datum plane -H- located at mold parting line and coincident with lead, where lead exits plastic body at bottom of parting line.
- 3 Datums A-B and -D- to be determined at center line between leads where leads exit plastic body at datum plane -H- .
- 4. To be determined at seating plane -C- .
- 5 Dimensions D1 and E1 do not include mold protrusion. Allowable mold protrusion is 0.254 mm on D1 and E1 dimensions.
- 6. "N" is the total number of terminals.
- √7. These dimensions to be determined at datum plane -H-.
- 8. The top of package is smaller than the bottom of package by 0.15 millimeters.
- Dimension b does not include dambar protrusion. allowable dambar protrusion shall be 0.08mm total in excess of the b dimension at maximum material condition. Dambar cannot be located on the lower radius or the foot.
- 10. Controlling dimension: millimeter.
- 11. This outline conforms to jedec publication 95 registration ^ MS-026, variations ACB, ACC, ACD & ACE.
- $\frac{12}{2}$ A1 is defined as the distance from the seating plane to the lowest \wedge point of the package body.
- 13. Dimension D2 and E2 represent the size of the exposed pad.
- 14. Exposed pad shall be coplanar with bottom of package within 0.05.
- 15. JEDEC variation.



