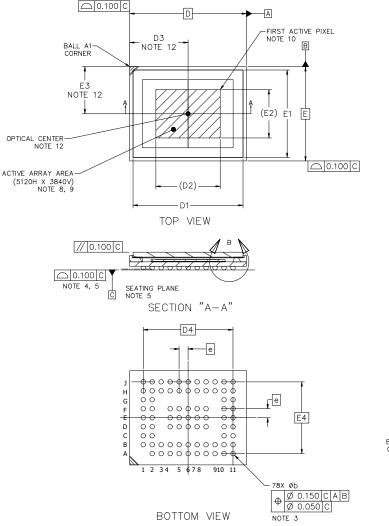


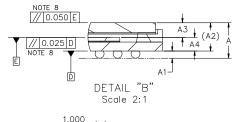
### PBGA78 13.00x10.50x1.57, 1.00P CASE 117CV

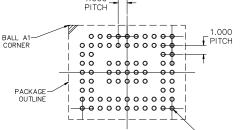
# **ISSUE A**

#### DATE 21 FEB 2025



MILLIMETERS						
MIN	NOM	MAX				
		2.100				
0.350	0.400	0.450				
1.575 REF						
0.725	0.825	0.925				
0.650	0.750	0.850				
0.450	0.500	0.550				
13.000 BSC						
12.200	12.250	12.300				
7.168 REF						
6.400	6.500	6.600				
10.000 BSC						
10.500 BSC						
9.700	9.750	9.800				
5.376 REF						
5.150	5.250	5.350				
8.000 BSC						
1.000 BSC						
	MIN  0.350 0.725 0.650 0.450 1 12.200 6.400 1 9.700 5.150	MIN NOM    0.400   1.575 REF   0.725 0.825   0.650 0.750   0.450 0.500   13.000 BS0   12.200 12.250   7.168 REF   6.400 6.500   10.000 BS0   9.700 9.750   5.376 REF   5.150 5.250   8.000 BS0				

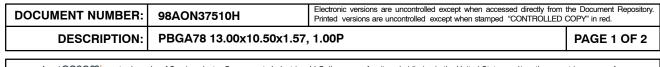




78X Ø0.400

RECOMMENDED MOUNTING FOOTPRINT

\*For additional information on our Pb-Free strategy and soldering details, please download the onsemi Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.



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DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2018. 1.

- CONTROLLING DIMENSION: MILLIMETERS [mm]. 2.
- SOLDER BALL DIAMETER IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER PARALLEL TO DATUM C. 3.
- COPLANARITY APPLIES TO THE SPHERICAL CROWNS OF THE SOLDER BALLS. 4.
- DATUM C, THE SEATING PLANE IS DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS. 5
- 6. GLASS: 0.550 THICKNESS; REFRACTIVE INDEX = 1.52.
- AIR GAP BETWEEN GLASS AND PIXEL ARRAY: 0.275 THICKNESS. 7.
- 8. PARALLELISM APPLIES ONLY TO THE ACTIVE ARRAY.
- 9. MAXIMUM ROTATION OF ACTIVE ARRAY RELATIVE TO DATUMS A AND B IS  $\pm$  1°.
- 10. REFER TO THE DEVICE DATA SHEET FOR TOTAL PIXEL ARRAY DEFINITIONS.
- 11. PACKAGE CENTER (X, Y) = (0.000, 0.000).
- OPTICAL CENTER RELATIVE TO PACKAGE CENTER (X, Y) = (0.000, 0.000). 12.

#### PBGA78 13.00x10.50x1.57, 1.00P CASE 117CV ISSUE A

DATE 21 FEB 2025

## GENERIC MARKING DIAGRAM\*

PIN A1 INDICATOR

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XXXX = Specific Device Code Y = Year ZZZ = Lot Traceability

\*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "•", may or may not be present. Some products may not follow the Generic Marking.

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DESCRIPTION:	PBGA78 13.00x10.50x1.57, 1.00P		PAGE 2 OF 2	

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