

DOCUMENT TYPE: POD

DOCUMENT ID #: 21-100714

REVISION: A-000

DOCUMENT TITLE: PACKAGE OUTLINE 12 BUMPS WLP PKG. 0.4 mm

EFFECTIVE DATE: 03/31/2023

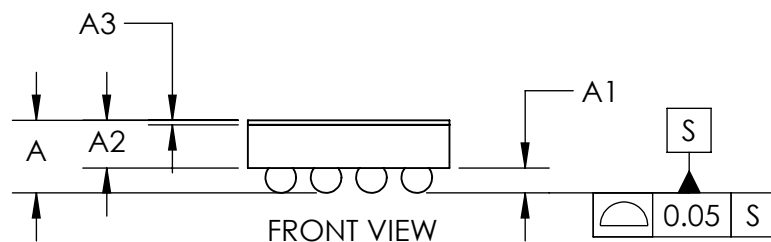
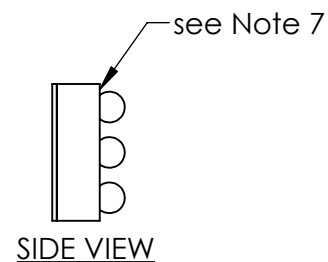
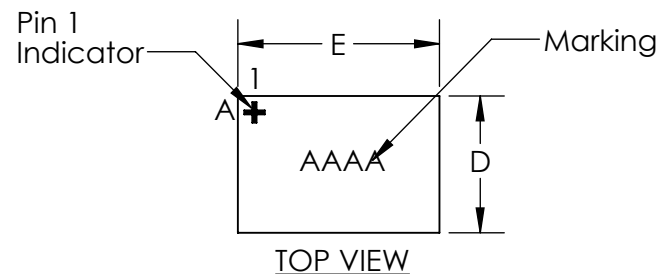
EXPIRATION DATE:

CHANGE NUMBER: 1183703

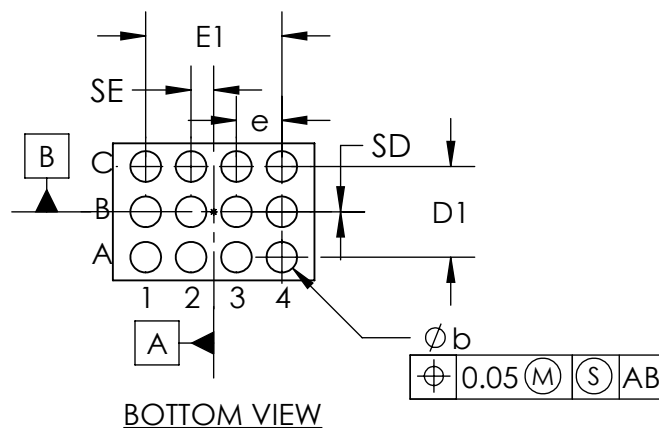
ORIGINATOR: Merla Avendano

REASON FOR CHANGE:

P90C 12" 0.4mmp 4x3 HC thick UBM std WLP w. 60um SL NPI for Mobile



COMMON DIMENSIONS	
A	0.64 ±0.05
A1	0.22 ±0.03
A2	0.42 REF
A3	0.04 BASIC
b	∅0.27 ±0.03
D	1.208 ±0.025
E	1.778 ±0.025
D1	0.80 BASIC
E1	1.20 BASIC
e	0.40 BASIC
SD	0.00 BASIC
SE	0.20 BASIC
DEPOPULATED BUMPS: NONE	



NOTES:

1. Terminal pitch is defined by terminal center to center value.
2. Outer dimension is defined by center lines between scribe lines.
3. All dimensions in millimeter.
4. Marking shown is for package orientation reference only.
5. Tolerance is ± 0.02 unless specified otherwise.
6. All dimensions apply to PbFree (+) package codes only.
7. Front - side finish can be either Black or Clear.



TITLE PACKAGE OUTLINE 12 BUMPS
WLP PKG. 0.4 mm PITCH, W121Q1Z+1

APPROVAL

DOCUMENT CONTROL NO.

21-100714

REV.

A

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REVISION HISTORY

REV	CHANGES MADE	DATE	INIT.
A	CN 1183703. INITIAL RELEASE.	03/31/2023	MA

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