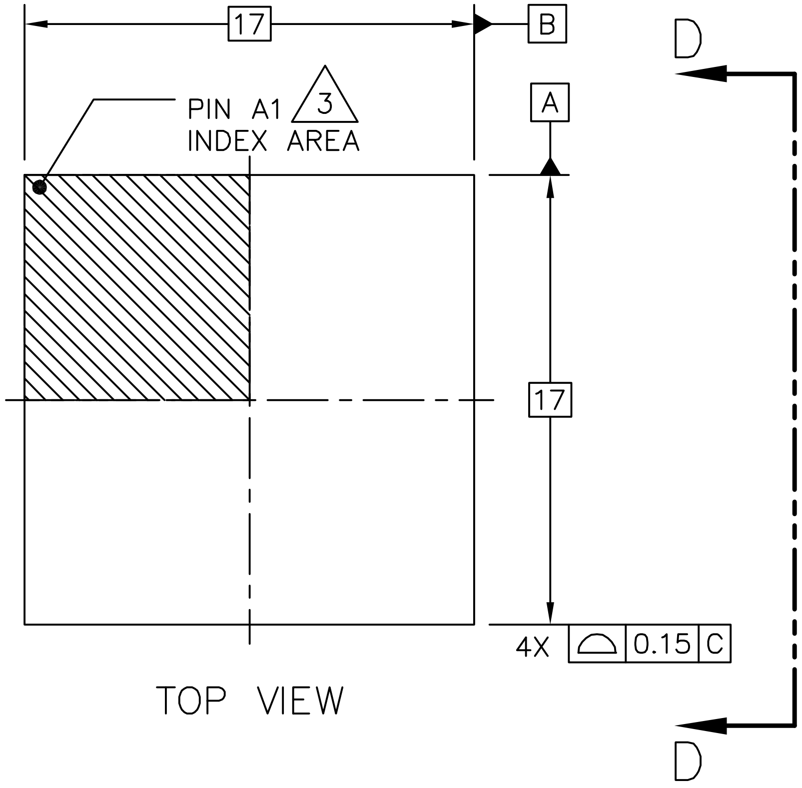
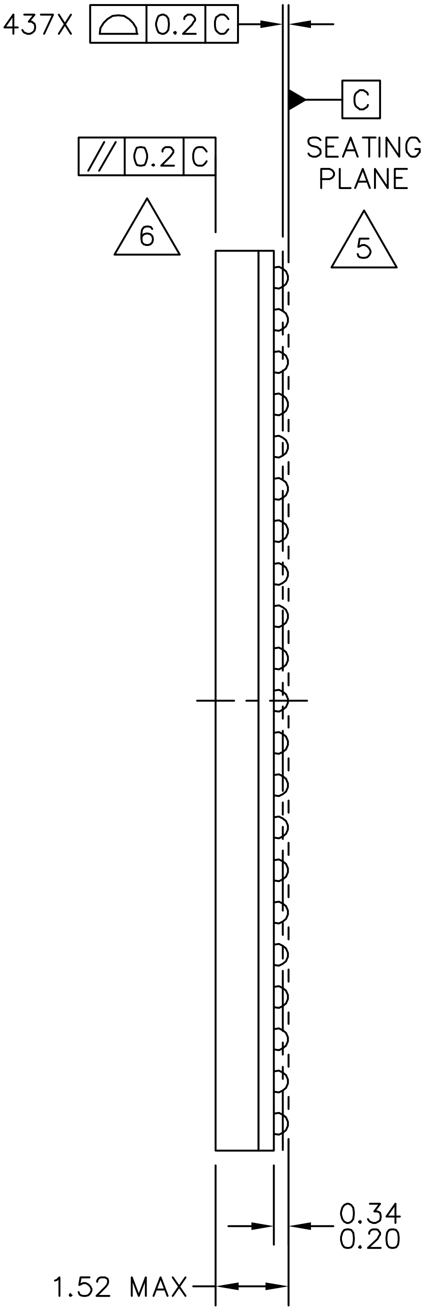
PBGA-437 I/O
17 X 17 X 1.37 PKG, 0.8 PITCH

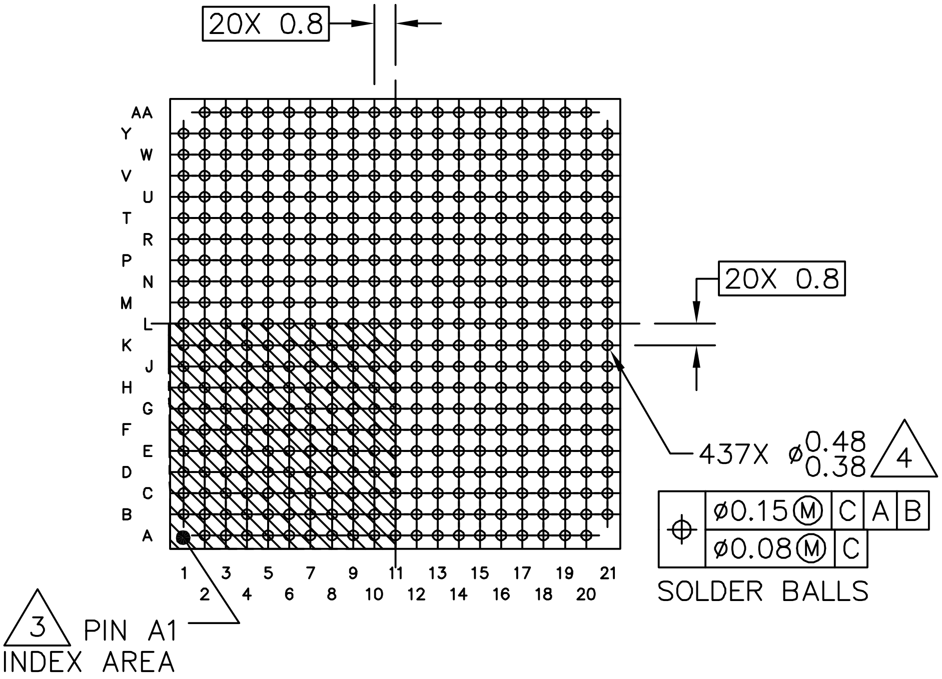
SOT2180-1



TOP VIEW



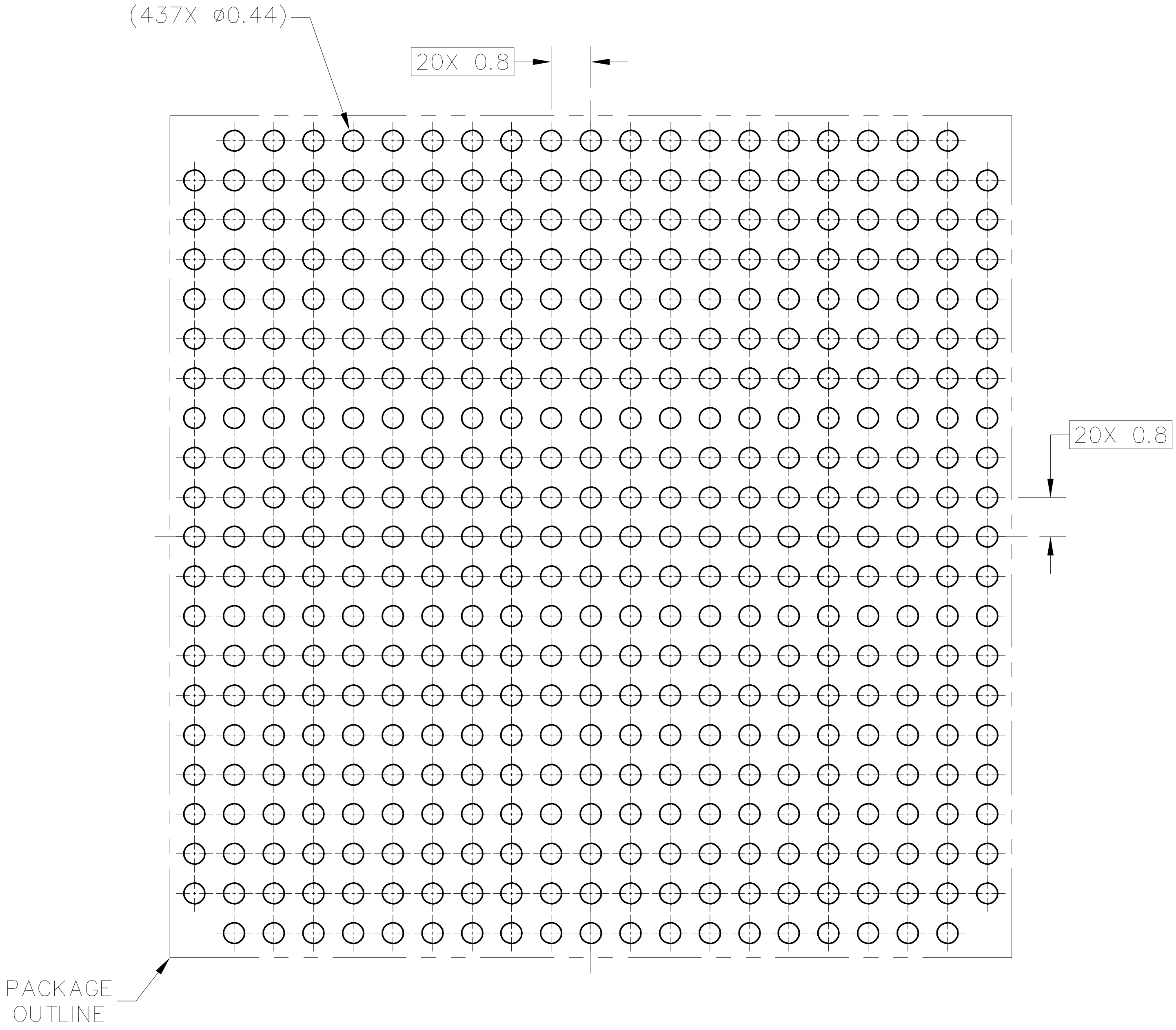
VIEW D-D



BOTTOM VIEW

DATE: 08 MAR 2022

	STANDARD:	DRAWING NUMBER:	REVISION:	PAGE:
MECHANICAL OUTLINE PRINT VERSION NOT TO SCALE	NON-JEDEC	98ASA01918D	X0	1 OF6

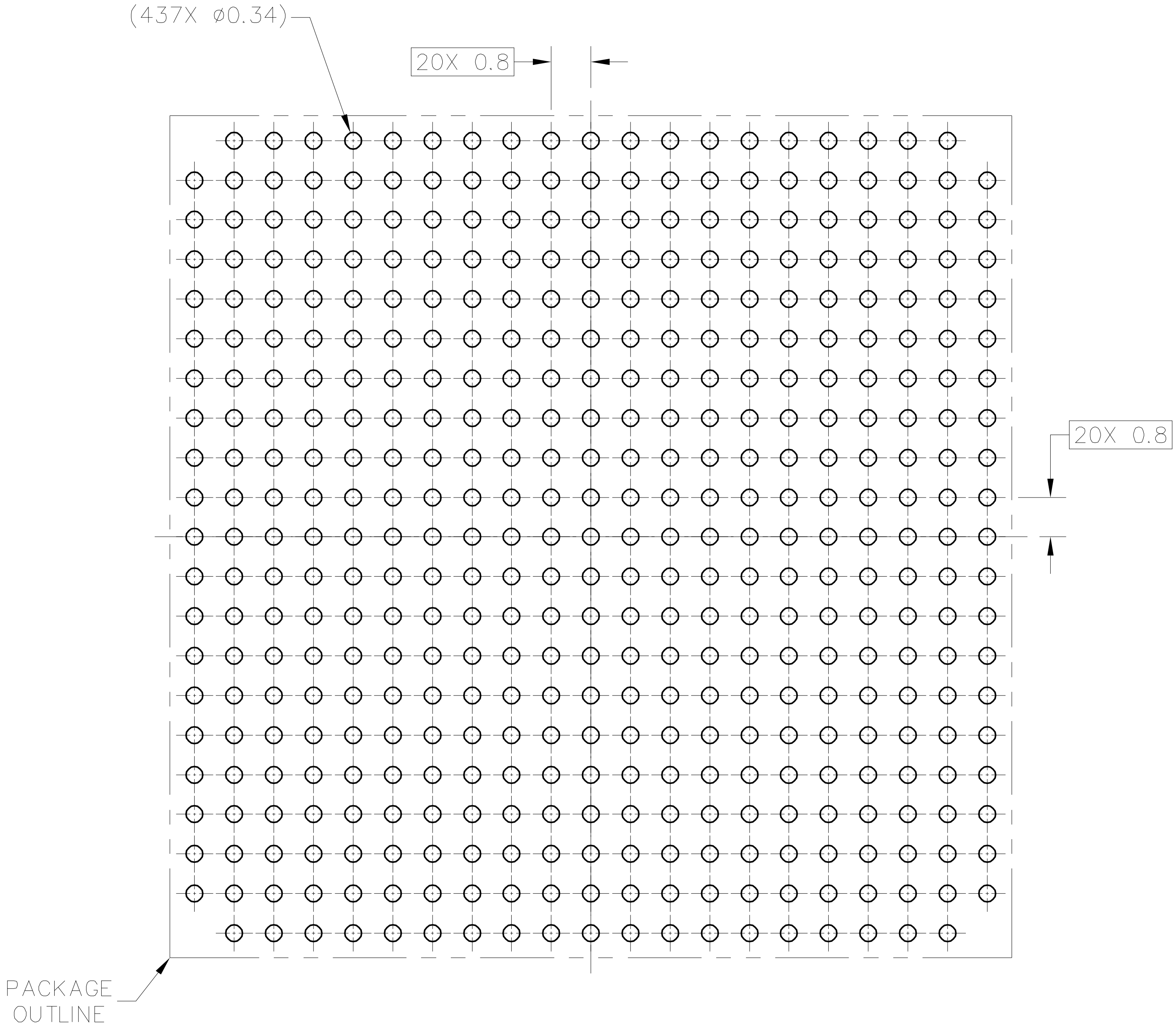


PCB DESIGN GUIDELINES – SOLDER MASK OPENING PATTERN

THIS SHEET SERVES ONLY AS A GUIDELINE TO HELP DEVELOP A USER SPECIFIC SOLUTION. DEVELOPMENT EFFORT WILL STILL BE REQUIRED BY END USERS TO OPTIMIZE PCB MOUNTING PROCESSES AND BOARD DESIGN IN ORDER TO MEET INDIVIDUAL/SPECIFIC REQUIREMENTS.

DATE: 08 MAR 2022

MECHANICAL OUTLINE PRINT VERSION NOT TO SCALE	STANDARD: NON–JEDEC	DRAWING NUMBER: 98ASA01918D	REVISION: X0	PAGE: 2

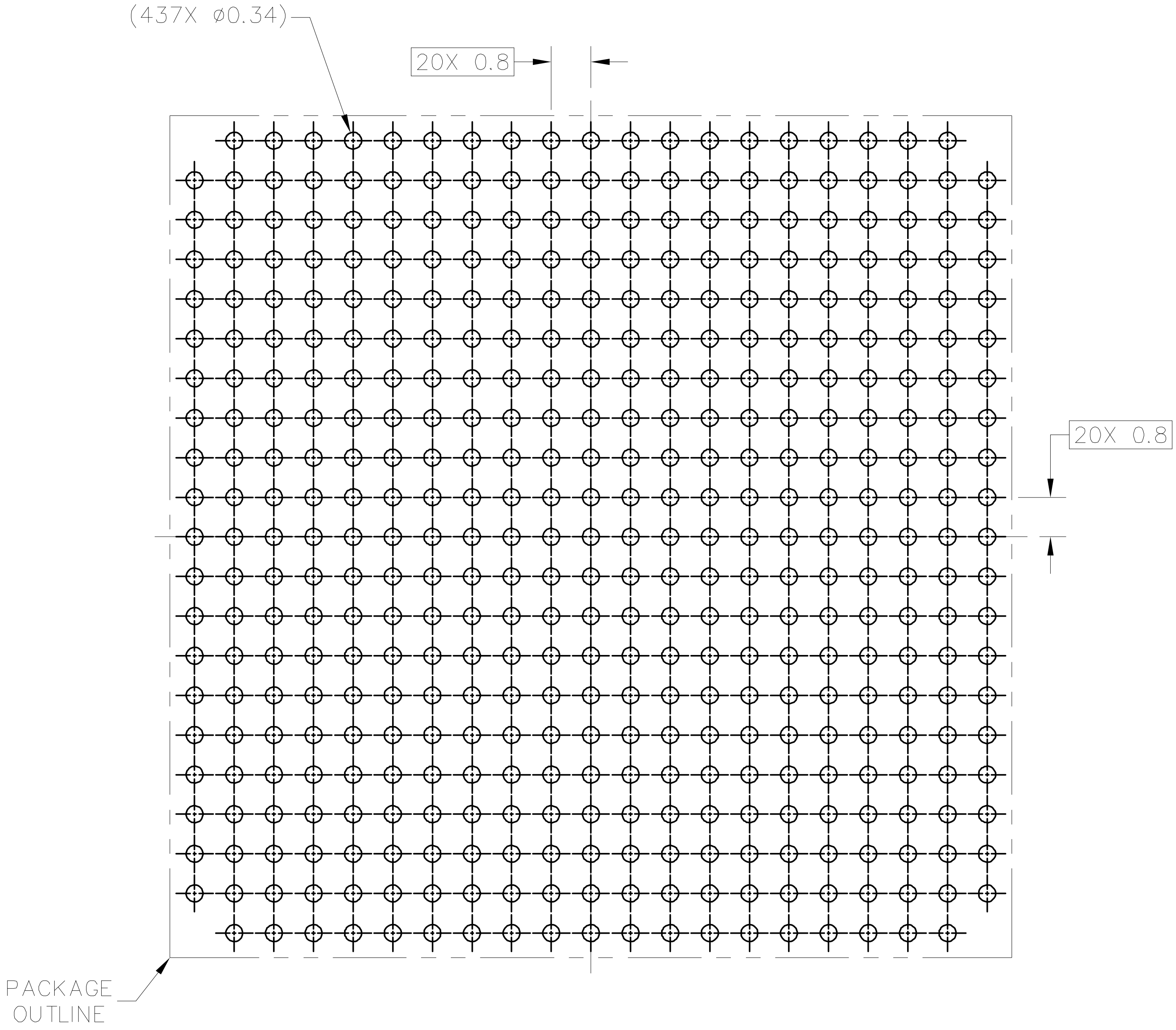


PCB DESIGN GUIDELINES – I/O PADS AND SOLDERABLE AREA

THIS SHEET SERVES ONLY AS A GUIDELINE TO HELP DEVELOP A USER SPECIFIC SOLUTION. DEVELOPMENT EFFORT WILL STILL BE REQUIRED BY END USERS TO OPTIMIZE PCB MOUNTING PROCESSES AND BOARD DESIGN IN ORDER TO MEET INDIVIDUAL/SPECIFIC REQUIREMENTS.

DATE: 08 MAR 2022

MECHANICAL OUTLINE PRINT VERSION NOT TO SCALE	STANDARD: NON-JEDEC	DRAWING NUMBER: 98ASA01918D	REVISION: X0	PAGE: 3



RECOMMENDED STENCIL THICKNESS 0.125 MM

PCB DESIGN GUIDELINES – SOLDER PASTE STENCIL

THIS SHEET SERVES ONLY AS A GUIDELINE TO HELP DEVELOP A USER SPECIFIC SOLUTION. DEVELOPMENT EFFORT WILL STILL BE REQUIRED BY END USERS TO OPTIMIZE PCB MOUNTING PROCESSES AND BOARD DESIGN IN ORDER TO MEET INDIVIDUAL/SPECIFIC REQUIREMENTS.

DATE: 08 MAR 2022

MECHANICAL OUTLINE PRINT VERSION NOT TO SCALE	STANDARD:	DRAWING NUMBER:	REVISION:	PAGE:
	NON–JEDEC	98ASA01918D	X0	4

NOTES:

1. ALL DIMENSIONS IN MILLIMETERS.
2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

△3. PIN A1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY.

△4. MAXIMUM SOLDER BALL DIAMETER MEASURED PARALLEL TO DATUM C.

△5. DATUM C, THE SEATING PLANE, IS DETERMINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.

△6. PARALLELISM MEASUREMENT SHALL EXCLUDE ANY EFFECT OF MARK ON TOP SURFACE OF PACKAGE.

DATE: 08 MAR 2022

MECHANICAL OUTLINE PRINT VERSION NOT TO SCALE	STANDARD: NON-JEDEC	DRAWING NUMBER: 98ASA01918D	REVISION: X0	PAGE: 5