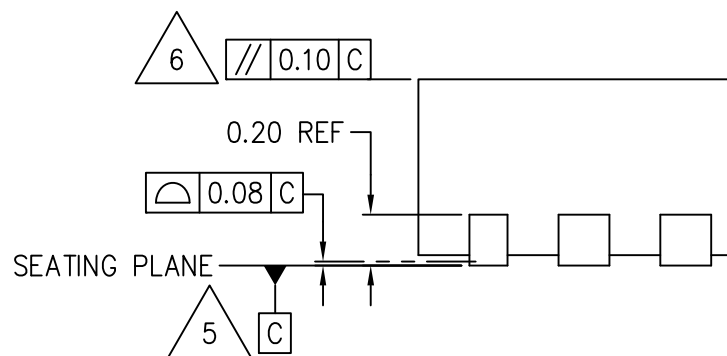


JEDEC SOLID STATE
PRODUCT OUTLINE
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THIS *REGISTERED OUTLINE* HAS BEEN PREPARED BY THE JEDEC JC-11 COMMITTEE
AND REFLECTS A PRODUCT WITH ANTICIPATED USAGE IN THE ELECTRONICS INDUSTRY;
CHANGES ARE LIKELY TO OCCUR.

TITLE	PACKAGE DESIGNATOR	ITEM	ISSUE	DATE	SHEET
PLASTIC QUAD FLATPACK 28 TERMINAL PACKAGE	PQFP-N28_I4p0...	MO-339B	B	APR 2024	1 OF 5



DETAIL A
(ROTATED 90° CW)



NOTES:

- 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5–2009.
- 2. ALL DIMENSIONS ARE IN MILLIMETERS.

3 THE TERMINAL #1 IDENTIFIER AND TERMINAL NUMBERING CONVENTION SHALL CONFORM TO JEDEC PUBLICATION 95 SPP–002. DETAILS OF TERMINAL #1 IDENTIFIER ARE OPTIONAL, BUT MUST BE LOCATED WITHIN THE ZONE INDICATED. THE TERMINAL #1 IDENTIFIER MAY BE EITHER A MOLD OR MARKED FEATURE.
THE CORNER MUST BE IDENTIFIED ON BOTH THE BOTTOM AND TOP SIDES OF THE PACKAGE. THE IDENTIFICATION FEATURE CAN BE MADE USING INK OR METALIZED MARKINGS, INDENTATIONS, OR OTHER FEATURES. THE EXACT SHAPE OF EACH CORNER IS OPTIONAL.

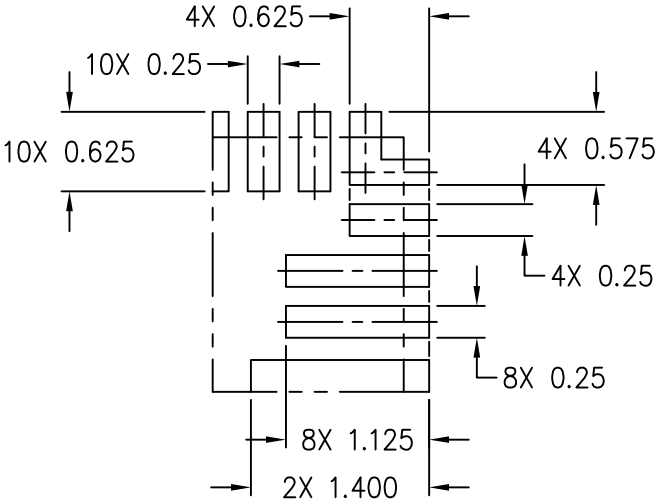
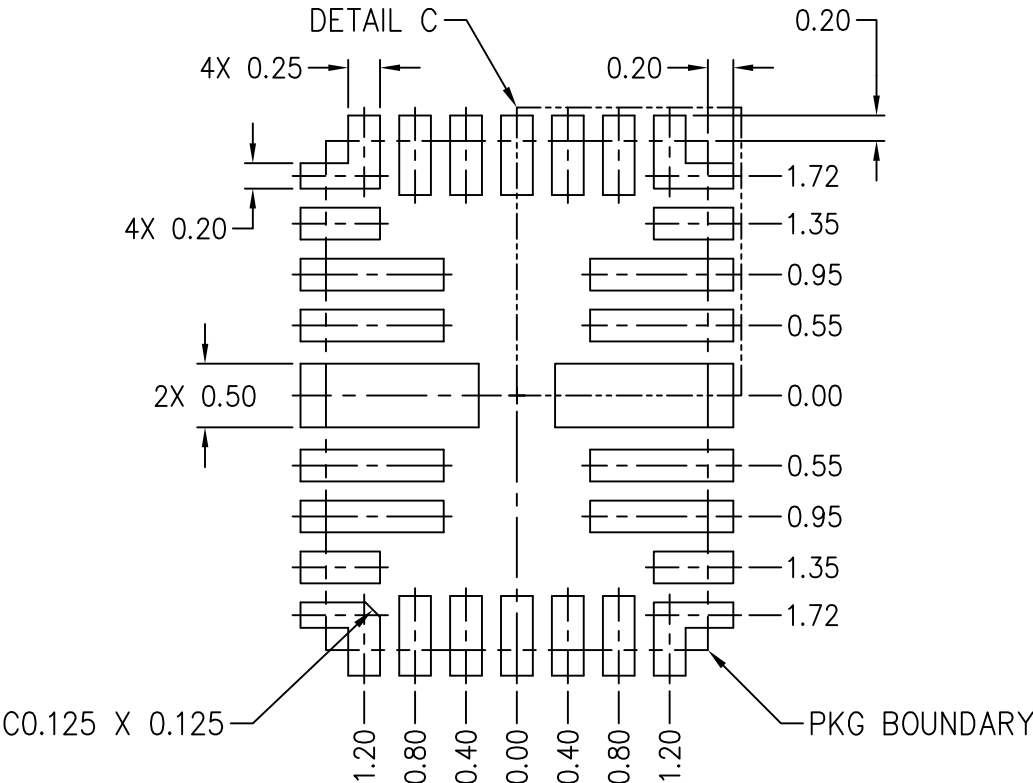
4 DIMENSION APPLIES TO METALLIZED TERMINAL AND IS MEASURED BETWEEN 0.15MM AND 0.30MM FROM THE TERMINAL TIP. IF THE TERMINAL HAS THE OPTIONAL RADIUS ON THE OTHER END OF THE TERMINAL, THE DIMENSION SHOULD NOT BE MEASURED IN THAT RADIUS AREA.

5 PRIMARY DATUM C (SEATING PLANE) IS DEFINED BY THE PLANE ESTABLISHED BY THE CONTACT POINTS OF THREE OR MORE TERMINALS THAT SUPPORT THE DEVICE WHEN IT IS PLACED ON TOP OF A PLANAR SURFACE.

6 THIS DIMENSION DOES NOT INCLUDE ATTACHED FEATURES, e.g. EXTERNAL HEAT SINK. AN INTEGRAL HEAT SLUG IS NOT CONSIDERED AN ATTACHED FEATURE.

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7. REFERENCE PCB FOOTPRINT



STP (3D) FILE RECORD

3D FILE NAMES MAY EXCEED LENGTH REQUIREMENTS FOR SOME SOFTWARE TOOLS.

STP FILE NAME	DATE	ITEM NUMBER
MO-339A_PQFP-N28_I0p4-R3p0x4p0Z0p8	SEP 2019	11-975

TASK GROUP CONTRIBUTORS

INTEL CORPORATION
MICRON TECHNOLOGY INC.

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CHANGE RECORD

IF THE CHANGE INVOLVES ANY WORDS ADDED OR DELETED (EXCLUDING DELETION OF ACCIDENTALLY REPEATED WORDS), THE CHANGE IS TO BE INCLUDED BELOW. PUNCTUATION CHANGES MAY OR MAY NOT BE INCLUDED.

INITIAL ISSUE: A	DATE: SEPTEMBER 2019	ITEM NUMBER: 11-975
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CHANGE RECORD HISTORY:

ISSUE: B	DATE: APRIL 2024	ITEM NUMBER: 11-1054
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LOCATION	CHANGED FROM:	CHANGED TO:
ALL SHEETS, TITLE	PLASTIC BOTTOM FLATPACK...	PLASTIC QUAD FLATPACK...
SHEET 1	TERMINAL CORNER INDEX...	TERMINAL 1 CORNER INDEX...
SHEET 3		ADDED TERMINAL NUMBERS
		ADD 4X 0.15±0.05, TERM 9
		ADD 4X 0.20±0.05, TERM 1
		ADD 4X 0.40, TERM 1-28
		ADD 4X 0.375, TERM 1-2
	4X 0.40±0.10	4X 0.40±0.10 TO TERMINAL 2
	10X 0.40±0.10	8X 0.40±0.10, TERM 27
	10X 0.20±0.05	8X 0.20±0.05, TERM 27
		DELETE 4X 0.65, TERM 2
		DELETE 4X 0.40±0.05, TERM 9
		DELETE 4X 0.70, TERM 28

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