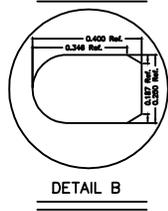
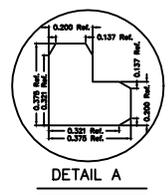
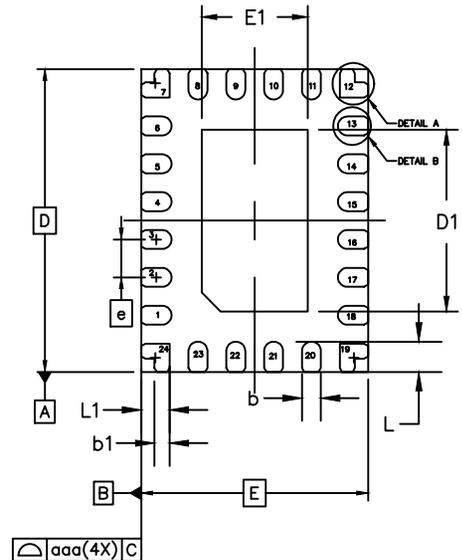
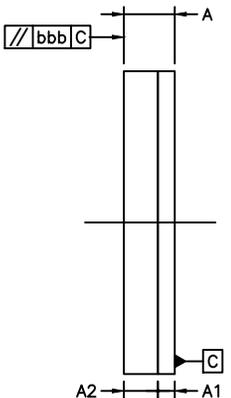
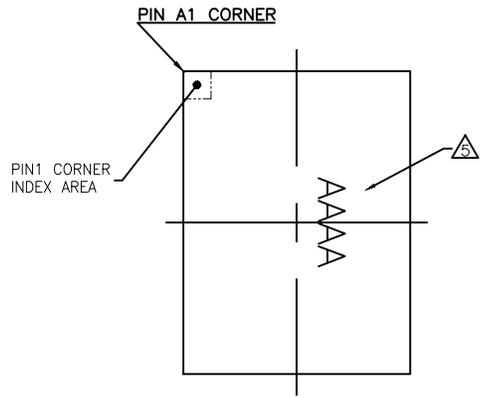


**DOCUMENT TYPE:** POD  
**DOCUMENT ID #:** 21-100730  
**REVISION:** A-000  
**DOCUMENT TITLE:** PACKAGE OUTLINE, 24L FCLGA 3x4x0.67 mm  
**EFFECTIVE DATE:** 09/15/2023  
**EXPIRATION DATE:**  
**CHANGE NUMBER:** 1191683  
**ORIGINATOR:** Aurelio Giron Jr.

**REASON FOR CHANGE:**  
**INITIAL RELEASE**  
QP21 BT-substrate pkg 3x4x0.67mm NPI from industrialBU

TOP VIEW

SIDE VIEW



	SYMBOL	COMMON DIMENSIONS		
		MIN.	NOR.	MAX.
TOTAL THICKNESS	A	0.62	0.67	0.73
SUBSTRATE THICKNESS	A1		0.22	REF
MOLD THICKNESS	A2		0.45	REF
BODY SIZE	D	3.90	4.00	4.10
	E	2.90	3.00	3.10
LEAD WIDTH	b		0.25	REF
LEAD WIDTH 1	b1		0.20	REF
EXPOSED PAD	D1		2.4	REF
	E1		1.4	REF
LEAD LENGTH	L		0.40	REF
LEAD LENGTH 1	L1		0.375	REF
LEAD PITCH	e		0.5	BSC
PACKAGE EDGE TOLERANCE	aaa		0.1	BSC
MOLD FLATNESS	bbb		0.2	BSC

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
  2. DIMENSIONING & TOLERANCING CONFORM TO ASME Y14.5M-1994.
  3. THE TERMINAL #1 IDENTIFIER AND TERMINAL NUMBERING CONVENTION SHALL CONFORM TO JESD 95-1 SPP-012. 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.
  4. COPLANARITY APPLIES TO TERMINALS AND ALL OTHER BOTTOM SURFACE METALLIZATIONS.
  5. MARKING ALONG LONG EDGE OF PACKAGE TO ACCOMMODATE LONG PART NUMBERS.
  6. MATERIAL MUST BE COMPLIANT WITH MAXIM SPECIFICATION 10-0131 FOR SUBSTANCE CONTENT, MUST BE Eu ROHS COMPLIANT WITHOUT EXEMPTION AND PB-FREE.
  7. ALL DIMENSIONS APPLY TO PbFREE (+) PKG. CODES.
  8. PKG CODE: L2434FN+1F

BOTTOM VIEW

-DRAWING NOT TO SCALE-

TITLE:  
PACKAGE OUTLINE, 24L FCLGA  
3x4x0.67 mm

APPROVAL TONY LIN	DOCUMENT CONTROL NO. 21-100730	REV. A	1/1
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