

SOT2304-1

PQFP-G48, plastic quad flat package - gull wing, 48 terminals, 0.5 mm pitch, 7 mm x 7 mm x 1.4 mm body

6 August 2026

Package information



1 Package summary

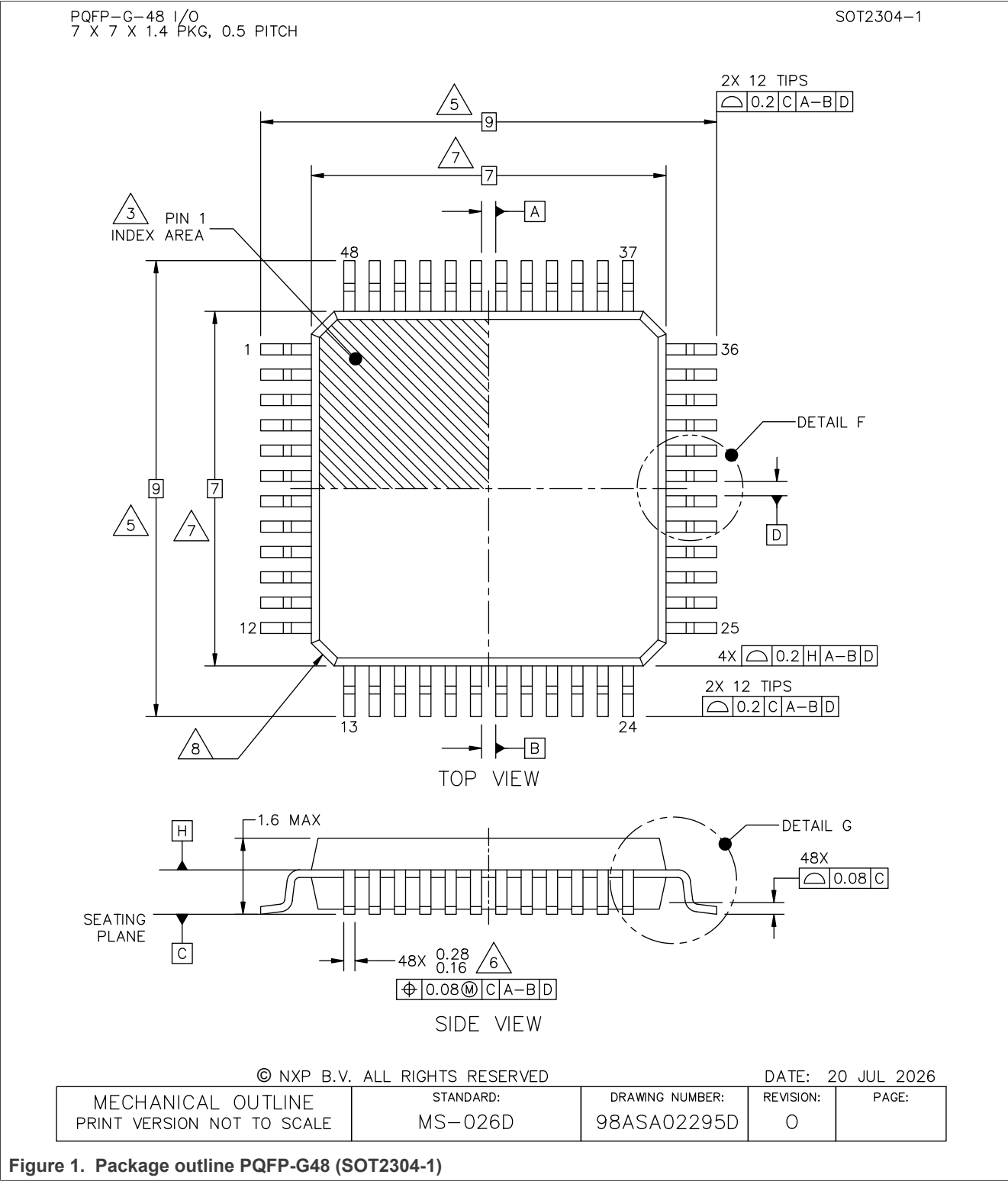
Terminal position code	Q (quad)
Package type descriptive code	PQFP-G48
Package style descriptive code	PQFP-G (plastic quad flat package - gull wing)
Package body material type	P (plastic)
Mounting method type	S (surface mount)
Issue date	16-07-2026
Manufacturer package code	98ASA02295D

Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	6.8	7	7.2	mm
package width	6.8	7	7.2	mm
seated height	-	-	1.6	mm
package height	1.35	1.4	1.45	mm
nominal pitch	-	0.5	-	mm
actual quantity of termination	-	48	-	

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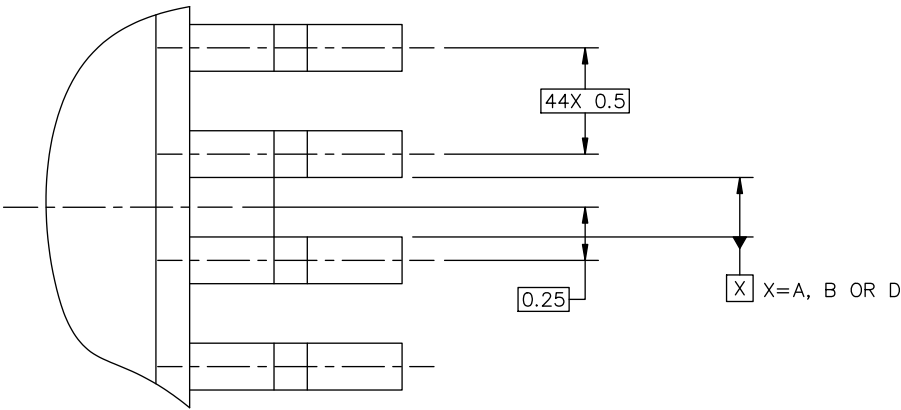
2 Package outline



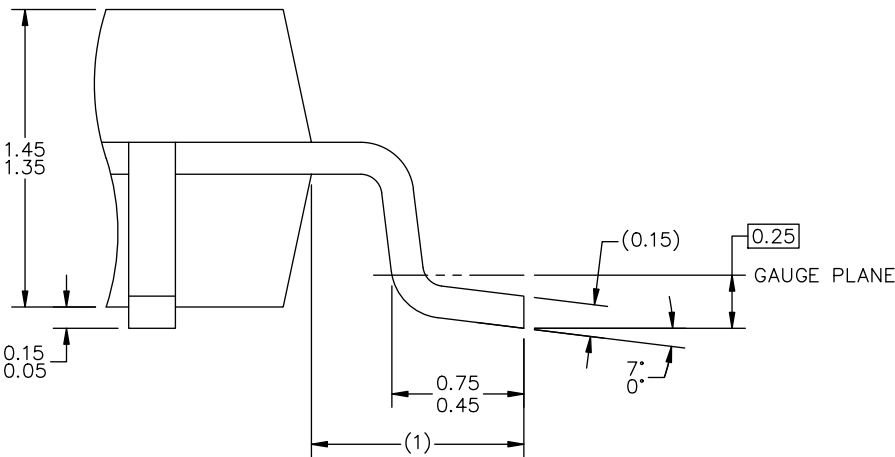
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PQFP-G-48 I/O
7 X 7 X 1.4 PKG, 0.5 PITCH

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DETAIL F



DETAIL G

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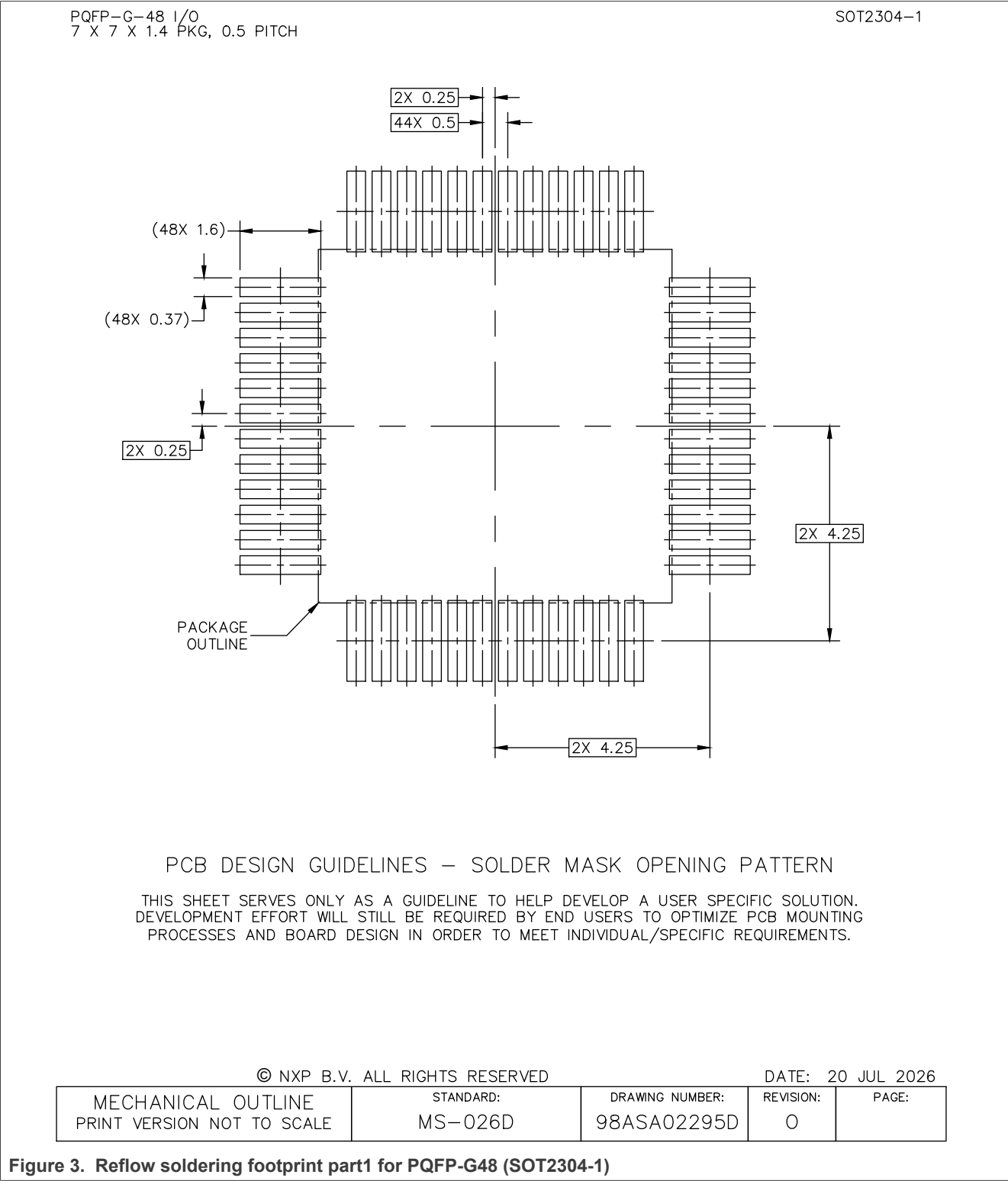
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Figure 2. Package outline detail F and G of PQFP-G48 (SOT2304-1)

PQFP-G48, plastic quad flat package - gull wing, 48 terminals, 0.5 mm pitch, 7 mm x 7 mm x 1.4 mm body

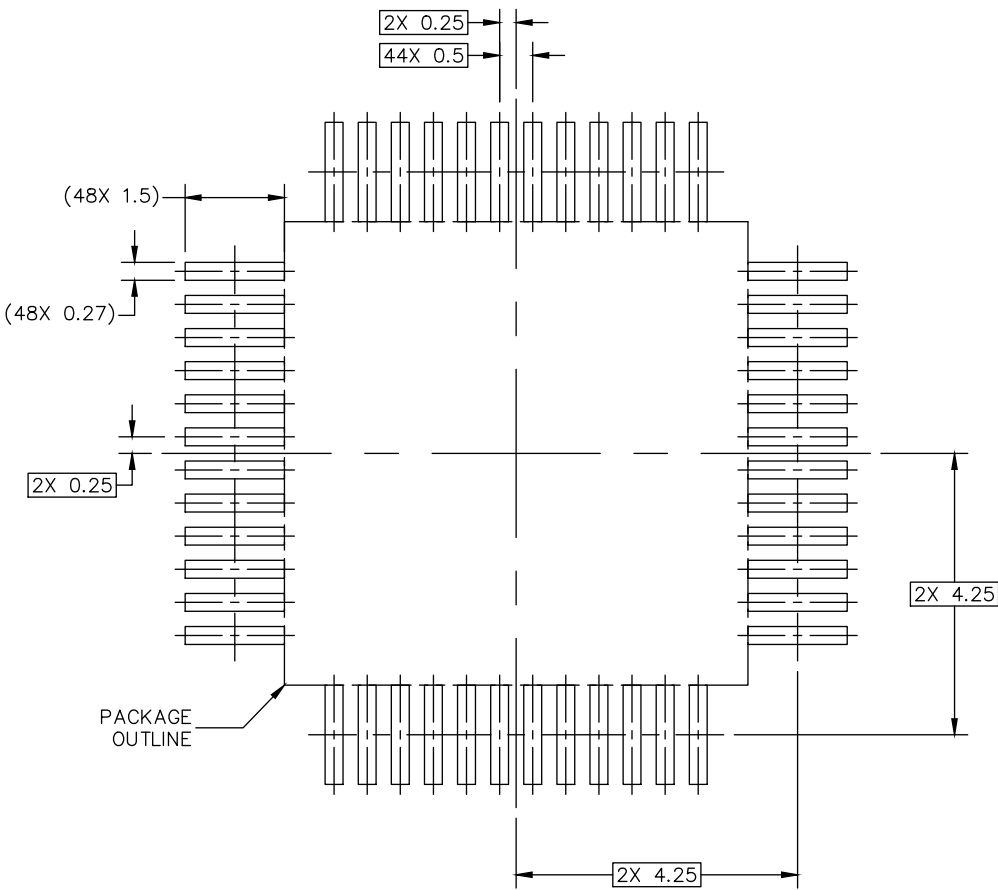
3 Soldering



PQFP-G48, plastic quad flat package - gull wing, 48 terminals, 0.5 mm pitch, 7 mm x 7 mm x 1.4 mm body

PQFP-G-48 I/O
7 X 7 X 1.4 PKG, 0.5 PITCH

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Figure 4. Reflow soldering footprint part2 for PQFP-G48 (SOT2304-1)

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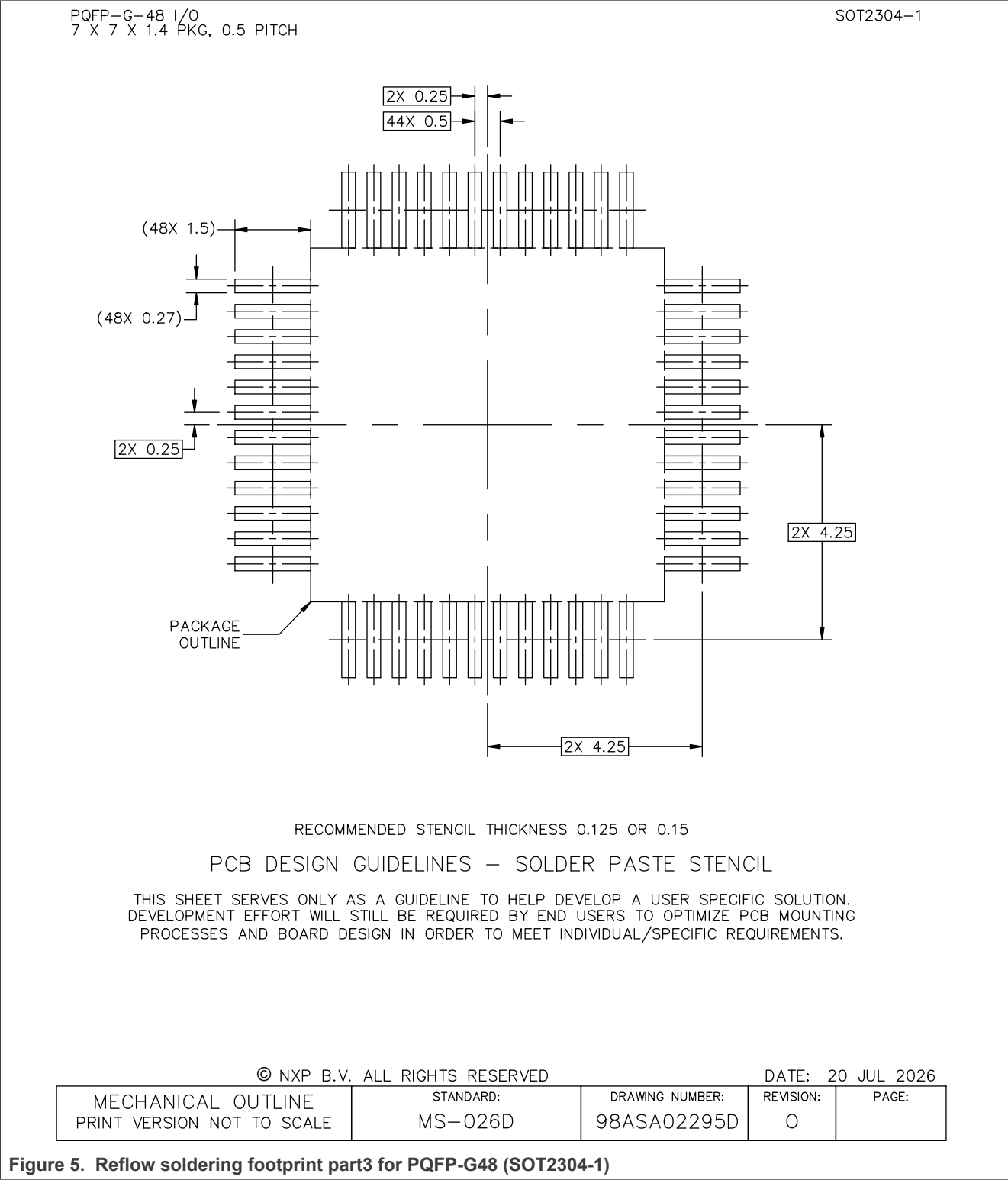


Figure 5. Reflow soldering footprint part3 for PQFP-G48 (SOT2304-1)

PQFP-G48, plastic quad flat package - gull wing, 48 terminals, 0.5 mm pitch, 7 mm x 7 mm x 1.4 mm body

PQFP-G-48 I/O
7 X 7 X 1.4 PKG, 0.5 PITCH

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NOTES:

- 1. DIMENSIONS ARE IN MILLIMETERS.
- 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.
- 3. PIN 1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY.
- 4. DATUMS A, B AND D TO BE DETERMINED AT DATUM PLANE H.
- 5. DIMENSION TO BE DETERMINED AT SEATING PLANE C.
- 6. THIS DIMENSION DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL NOT CAUSE THE LEAD WIDTH TO EXCEED THE UPPER LIMIT BY MORE THAN 0.08MM AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT. MINIMUM SPACE BETWEEN PROTRUSION AND ADJACENT LEAD SHALL NOT BE LESS THAN 0.07MM.
- 7. THIS DIMENSION DOES NOT INCLUDE MOLD PROTRUSION. ALLOWABLE PROTRUSION IS 0.25MM PER SIDE. THIS DIMENSION IS MAXIMUM PLASTIC BODY SIZE DIMENSION INCLUDING MOLD MISMATCH.
- 8. EXACT SHAPE OF EACH CORNER IS OPTIONAL.

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Figure 6. Package outline note PQFP-G48 (SOT2304-1)

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