Solder mask kit: Design Verification Report

MSK | Blaide product line | 17 November 2026 | Design only: nothing built or tested

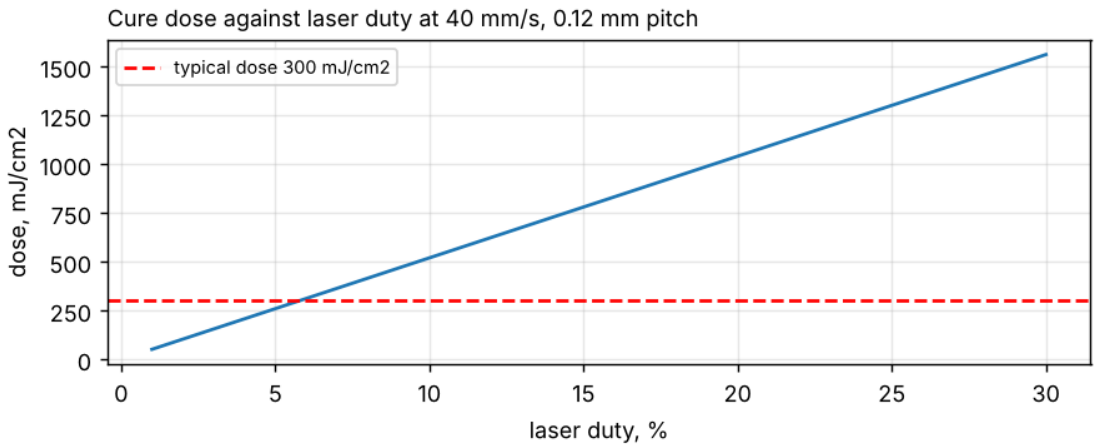
What has been checked without hardware, by calculation, simulation or software test.

Results

- On the sample board all 22 pads stay open and 27 microlitres are used
- Coupon result: with openings grown 0.1 mm, a mask strip survives for pad gaps of 0.4 mm and up; with 0.05 mm, 0.3 mm and up
- Cure calculation: the 0.25 W laser delivers about 5,200 mJ/cm2 at full speed, so a 300 mJ/cm2 cure needs about 6 % duty; 21 s per cm2

Pad gap, mm	0.2	0.3	0.4	0.5	0.6
Mask strip at 0.05 mm growth	0.1	0.2	0.3	0.4	0.5
Mask strip at 0.10 mm growth	0.0	0.1	0.2	0.3	0.4

A strip under 0.15 mm is treated as not printable.



Not verified

Everything in the test plan (document 04) needs hardware.