

S24 Ultra Engineering Unwarranted phone-case project

3DP-015 / REV A / 2026.09.01

The phone-case project is a design and manufacturability study for a Galaxy S24 Ultra case. It keeps raised/recessed lettering, serial-plate styling, QR geometry, first-layer behavior, and physical scan validation as separate checks.

STATUS	Recovered/Partial
CLASSIFICATION	3DP
MATERIAL	3D PRINT / MAKER
DISPOSITION	PUBLIC / RECOVERED/PARTIAL
CATEGORY	3D Printing
RECORD TYPE	project

TECHNICAL NOTES

S24 Ultra case concept combining flexible material, embedded lettering, and a scan-tested code path.

GOAL

Create a durable case identity without sacrificing fit, readability, or printability.

EQUIPMENT

- Creator 5 Pro
- 0.4 mm nozzle
- Phone for fit and scan test

MATERIALS

- TPU 95A
- QR artwork

METHOD / STEPS

1. Confirm the case envelope and camera openings.
2. Test lettering and code geometry in a small area.
3. Print a first-layer sample before a full case.
4. Check fit, flex, surface, and scan result.
5. Record what changed for the next revision.

RESULT / WHERE THIS STANDS

Recovered/partial project; physical fit and scan evidence are still tracked separately.

TROUBLESHOOTING

- A slicer preview is not proof that a finished part will fit or move.
- Change one process variable at a time so the next result is attributable.
- Keep material identity and nozzle size with every saved revision.

SPECIFICATION

PRINTER	FDM printer / slicer
MATERIAL	Material requires confirmation
FOCUS	Fit, flex, openings, and surface
VALIDATION	Small test print before release

DEVELOPMENT HISTORY

2026.09.01 / Rev A

Imported as an independent manifest record; public copy keeps uncertainty visible.

RELEASED MATERIAL / SOURCE LINKS

3dp-015-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/3dp-015-public-summary.txt>

RETURN TO THE LIVING RECORD

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This PDF preserves the public notes at this revision. Visit the record for updates and attached images.

<https://u225x.com/record/3DP-015>