

Membrane Switch RFQ Checklist

Information JASPER needs to review drawings, pricing, samples and production risk.

Use this worksheet before requesting a quote for custom membrane switches, keypads, graphic overlays or HMI assemblies.

Project snapshot

Company / project name

Application or device type

Estimated annual quantity

Prototype quantity

Target sample date

Target production date

Main contact

Revision/date

Dimensions and mechanical details

- Overall outside size and visible active area are defined.
- Key/button quantity, shape, legends and spacing are marked.
- Required tolerances are stated for outline, holes, windows and tail position.
- Panel stack-up target is known: overlay, spacer, circuit, adhesive, backing or rigid support.
- Housing or enclosure drawing is available when fit is important.
- Mounting holes, alignment holes, cut-outs, windows and display openings are dimensioned.

Electrical and interface details

- Circuit type is specified or open for JASPER recommendation: printed PET, FPC, PCB or hybrid.
- Tail exit position, tail length, pitch and pinout are shown.
- Connector model, mating connector or preferred supplier is listed.
- Operating voltage/current and expected signal type are known.
- LEDs, shielding, ground layer, ESD protection or backlighting needs are described.
- Gerber, schematic, pin assignment or sample circuit is available when applicable.

Use environment and quality requirements

- Indoor, outdoor, medical, industrial, vehicle or appliance environment is stated.
- Temperature, humidity, UV, oil, cleaning chemical, dust or water exposure is described.
- Target IP rating or sealing expectation is defined if required.
- Tactile feel, operating force, click/no-click zones and expected life cycles are noted.
- Compliance or material restrictions are listed: RoHS, REACH, UL-rated material, flame rating or customer standard.
- Packaging, label, inspection report, sample approval or PPAP-style documentation needs are stated.

Files to send with the RFQ

- 2D drawing: PDF, DXF or DWG.
- Artwork: AI, PDF or vector file with color references.
- Circuit files: Gerber, schematic, pinout or sample if available.
- BOM or preferred material list when fixed by the customer.
- Photos or samples of the current part when replacing an existing supplier.
- Application notes, annual forecast and target delivery schedule.

Open points for JASPER engineering review

Unconfirmed material

Unconfirmed connector

Unconfirmed adhesive or mounting surface

Unconfirmed environment test

Unconfirmed artwork/color

Other questions

Send drawings and requirements to JASPER engineering

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