



### Adhesive and stack-up review

Area	Selection notes	Confirm
Back adhesive	Match adhesive to ABS, PC, metal, powder coat, glass or painted housing	
Spacer adhesive	Balance sealing, thickness, actuation force and environmental exposure	
Gasket / foam	Use when compression sealing or uneven housing support is needed	
Rigid support	PCB, aluminum, acrylic or FR4 support may be needed for assembly stiffness	

### Environment checks

- UV or outdoor exposure requires film, ink and adhesive review.
- Oil, alcohol, disinfectant, detergent, mild acids/alkalis or solvent exposure is listed.
- High humidity, washdown or condensation has a sealing and adhesive strategy.
- Low/high temperature storage and operating range are known.
- Abrasion, gloves, repeated cleaning or heavy use areas are identified.
- Flame rating, UL material, RoHS, REACH or customer standard is required if applicable.

### Material decision log

Overlay film	Surface finish
Window material	Back adhesive
Spacer/circuit material	Open tests before approval

### Technical references reviewed

- 3M 467MP / 468MP adhesive technical data sheets: <https://multimedia.3m.com/mws/media/2366204O/3m-adhesive-transfer-tape-467mp.pdf>
- MacDermid Alpha Autotex hardcoated polyester films: <https://www.macdermidalpha.com/products/film-smart-surface-solutions/>
- JASPER factory engineering review practice and public product/resource pages: <https://www.jasperele.com/>

### Send drawings and requirements to JASPER

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