

HMI Assembly RFQ Checklist

Information needed to quote and release an overlay, keypad, circuit, display, cable, and enclosure interface.



Evidence basis: documented JASPER product or factory imagery supports physical manufacturing scope only. Project-specific results require project-specific records.

Assembly definition

Project / assembly name _____	Target application _____
Drawing revision _____	BOM revision _____
Prototype quantity _____	Annual quantity _____
Target sample gate _____	Final approval owner _____

Files and interfaces

- [] Dimensioned assembly drawing, enclosure interface, datums, and keep-out zones.
- [] Overlay/keypad artwork with colors, legends, windows, finish, and backlighting states.
- [] Circuit, Gerber, schematic, pinout, cable route, connector, and mating information.

- [] BOM with manufacturer part numbers, approved alternates, and customer-supplied parts.
- [] Display/touch/keypad alignment, adhesive or fastener method, gasket, and support stack.
- [] Programming, firmware, calibration, functional-test, and serialization ownership.

Release matrix

Interface	Evidence to approve	Typical owner
Mechanical	Fit, alignment, stack height, support, sealing, cable route	Customer mechanical owner
Visual	Artwork, color, finish, windows, lighting, contamination	Customer industrial design / quality
Electrical	Pinout, continuity, resistance, LEDs, grounding, functional test	Customer electrical owner
Assembly	BOM, work instruction, adhesive cure, torque, fixture, packaging	JASPER within quoted scope
System	Firmware, display behavior, EMC/ESD, safety, end-use validation	Finished-device manufacturer

Sample approval questions

- [] Which sample state closes mechanical fit, visual appearance, and electrical function?
- [] Which tests are component-level and which require the final enclosure or device?
- [] Who owns programming, calibration, firmware revision, and acceptance data?
- [] What records must accompany samples and production shipments?
- [] Which changes require notification, requalification, or a new approved sample?

Project review contact

sales@jasperele.com | +86 136 3262 5290 | bestmembraneswitchs.com/request-a-quote/