



DRAWING REQUIREMENTS

Membrane Switch Specification Framework

Drawing and data-package framework for a custom membrane-switch project.

Drawing Outline, layers, key locations, windows, tail and mounting	Artwork Colors, legends, finish, illumination and revision
Electrical Circuit, pinout, contact definition and test	Approval Project drawing, specification and validated samples

This framework replaces a retired duplicate specification. The product-specific drawing remains the controlling document.

1. Mechanical Drawing Content

Drawing group	Required definition
Outline and datums	Finished profile, holes, slots and reference system
Key geometry	Centers, sizes, embossing, travel and housing relationship
Windows	Viewing area, tint, texture, border and alignment
Tail	Exit, length, pinout, connector and bend constraints
Mounting	Adhesive, backer, fasteners, gasket and assembly sequence

2. Layer Construction

Layer	Required definition
Overlay	Material, finish, artwork, windows and embossing
Spacer	Openings, venting and relationship to tactile elements
Circuit	Contact geometry, routing, tail and insulation
Adhesive	Bonding surface, cutouts and application environment
Backer	Material, thickness, attachment and functional datums



INTERFACES AND APPROVAL

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3. Electrical and Functional Definition

Topic	Specification content
Circuit	Schematic or matrix, common lines and test points
Load	Switching voltage, current, circuit type and limits
Resistance	Contact, trace and loop definitions with measurement points
Tactile response	Element type, force, travel and return definition
Lighting	Source, drive, optical target and off-state appearance

4. Approval Package

- Approved drawing and artwork revision.
- Electrical test definition and functional sample.
- Color, cosmetic and illumination approval references.
- Environmental and durability plan for the selected construction.
- Packaging, marking and change-control requirements.

No legacy duplicate specification overrides the approved project package.