

The following checklist will be used as an aid in preparing your prints. Before we can accurately manufacture your parts, the following information will be indicated. Please review this checklist and make additions accordingly. All information should be on the blueprint, this checklist should not serve as a supplement to your print. This form will be signed and dated by Sales Rep. and Customer.

Customer Name: _____
Date: _____

Part Number: _____
Rev: _____

GENERAL REQUIREMENTS

- DFMEA
- PFMEA
- Control Plan and CTQ Scorecard
- Customer Color Approval
- First Article Approval
- PPAP Submission Level
- Measurement System Analysis and Capability Study (Level Requirements)
- Document Retention Requirements Greater than Q16-01-001
- Special Packaging Requirements
- Will The Customer Provide Their Supplier Quality Manual?
- Are there any Regulatory or Statutory requirements for this product?

FACEPLATE REQUIREMENTS

- Total part size.
- Faceplate material and surface texture.
- All keys (size and location).
- Tactile feedback (metal dome or polyester dome) requirements, if any.
- Emboss detail and location, if any. Minimum border width is .040". (type of emboss: pillow, border, other). Height will be 1½ x material thickness.
- All windows and LED's (size, location; clear or tinted).
- Type style and size for all text.
- Text location, all places.
- Border width and radius.
- All color separations.
- All colors with PMS numbers (C for shiny finish or U for texture finish materials), Fed Std 595 numbers, or custom chips.
- If colors are to be matched, to which light: Florescent, Daylight, or Incandescent.
- Customer supplied logo. (in one of the following preferred formats: AutoCAD (DWG), DXF, Adobe Illustrator files(ai,eps).
- Have you reviewed the graphic tolerances detailed on page 2.
- Is there a companion part and is color consistency critical?
- Is there a sample part to be matched?

ELECTRICAL AND PHYSICAL REQUIREMENTS

- Upper temperature limit (65°C, 85°C, 105°C)
- For 85 °C and 105°C construction: Location of external vents.
- Termination requirements (specify connector system or tail preparation).
- Tail breakout location and tail length (does length go to end of connector, beginning of connector, end of flexible tail).
- Tail width (Xymox standard: (# of tracks X 0.1) + 0.090" = width).
- Pinout required, Pin #1 location.
- Application adhesive requirements for backside of switch.
- Cutout areas, if required.
- Tolerances on all dimensions (see below).
- Contact rating (30VDC, 100 mA, 1 Watt max. typical).
- Operating force (in ounces).
- Contact resistance (100 ohms max. typical).
- Special environmental requirements.
- Special Test Requirements
- UL Listing Requirements
- Static protection and termination, if any.
- Have you supplied us with a reproducible print or AutoCAD drawing file?
- Backing panel requirements. If XTI supplied, is there a dimensioned print?
- Will our standard oversizing from the faceplate cutouts (0.060" per side in the switch layers) create problems with any mounted devices?
- Special thickness requirements, if any?
- Review overall part size and cutouts, switch will be undersized from faceplate, switch cutouts will be oversized from faceplate cutouts.
- Is the part covered by a bezel along the outside edge, if so, how much of the switch is covered? (could we be supplied with a copy of the bezel print?)

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GRAPHIC TOLERANCES

- Borders separating two different background colors must be at least 0.030" wide.
- Copy cannot be less than 0.010" wide if printed positive or reversed out of another color.
- Backlit areas, such as LED indicators, that will be flooded with light should be surrounded by a dark color border or shadowing will occur.
- All LED's/windows should be defined in the same pass of ink. If LED's must be created with two or more colors, the part will be priced to reflect the longer setup time, slower running time, and higher scrap percentage.
- Dead register printing (three different colors coming together at one point) will not be allowed unless specifically reviewed by by Xymox due to a higher fall out.

PHYSICAL TOLERANCES

- Printed copy to die cut edge on same layer. ± 0.015" typ.
± 0.030" max.
- Conductive track to die cut edge of tail. ± 0.015"
- Die cut edge to die cut edge on different layers. ± 0.030"
- Radius of simple curve. ± 0.005"
- Printed copy to printed copy on different layers. ± 0.045" max.
- (Printed copy in switch circuitry to printed copy on face)*
- Printed copy to die cut edge on different layers. ± 0.060"
(Printed window border on graphic to switch window cutout)
- Same color on same layer over a distance of 6" or less ± 0.010"
- Embossing height ± 0.003"

Customer Notes

Customer Signoff

Date

Sales Rep. Notes

Sales Rep. Signoff

Date