

PANEL SPECIFICATIONS

General

The following specification of requirements shall apply, unless specified otherwise elsewhere.

Target group

SELEKTRO customers and printed circuit board (PCB) manufacturers

Specification

All fiducial, bad and screen marks must be located asymmetrically. This to avoid faulty PCBs being fitted. Fiducials, bad and screen marks must be present on the primary side. When the design requires assembly on the secondary side, fiducials, bad and screen marks also needs to be present at the secondary side. These must be located identically on the secondary side compared to the primary side, as seen from the primary side.

Symbols



Screen mark



Fiducial mark



Global bad mark



Local bad mark



Fix round hole



Fix rectangular hole

Dimensions

Screen mark : \varnothing 1.5 mm

Screen mark clearance: 3*3 mm

Fiducial mark: \varnothing 1.5 mm

Fiducial mark clearance: \varnothing 4mm

Global bad mark: 2.5*2.5 mm plated, clearance 3*3 mm, square.

Local bad mark: 1.5*1.5 mm plated, clearance 2*2 mm, square.

Fix hole, round: \varnothing 3 mm milled or drilled

Fix hole, rectangular: \varnothing 3 mm * 6 mm, milled or drilled

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Scale drawing

Dimensions stated from each corner

Unit of measurement: mm

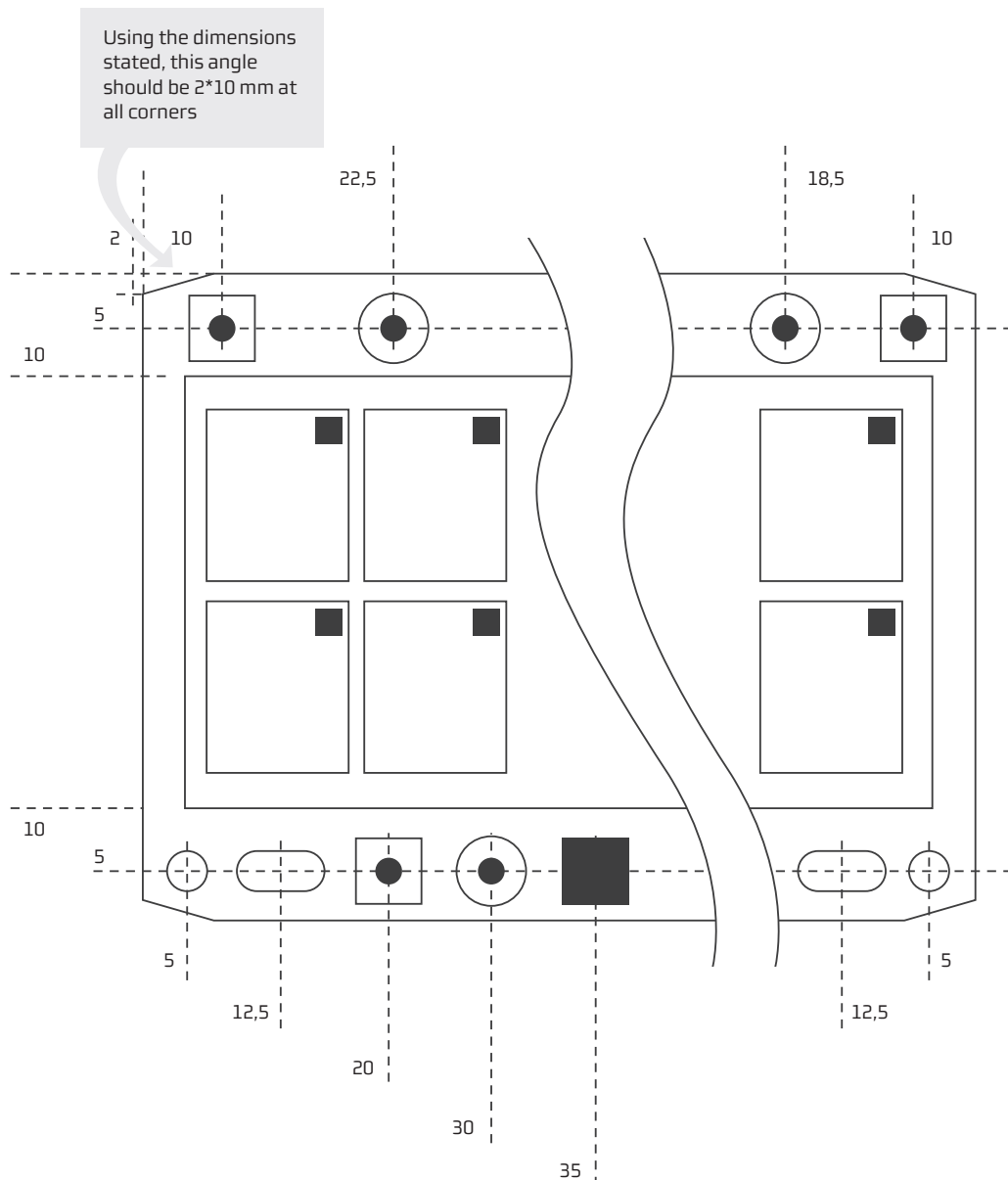
Panel dimensions

Coordinates: (x;y)

Unit of measurement: mm

Panel: Max. length x width (310mm x 250mm)

Panel: Min length x width (100 x 90mm)



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Associated requirements

- PCBs must comply with IPC-A-600, unless otherwise specified.
- PCBs must be vacuum-packed in ESD packaging.
- PCBs must be labelled with year and week code and the manufacturer's logo.
- Selektro A/S do not accept faulty PCBs in a panel.
- Local bad marks shall be located symmetrically in the panel, one local bad mark per stepped PCB.
- Milling burrs on the panel must be sanded smooth.
- PCBs with blue mask added must be packed with paper laid between the PCB's.

Gerber data must be supplied in extended gerber 274X format.

Comments

Should the above give rise to further questions, please do not hesitate to call the Production Technical Department..

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