

# SEMI E182.1-0621 (Reapproved 0424) SPECIFICATION FOR PANEL FOUP LOADPORT FOR 510 TO 515 MM PANEL SIZE

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## 1 Purpose

1.1 This Specification provides the individual dimensions of Panel FOUP loadport for 510 mm × 515 mm panel.

## 2 Scope

2.1 This Specification defines ‘Outside edge of load port door’ and ‘Inside edge of load port frame’ of Panel FOUP loadport for 510 mm × 515 mm panel. Common dimensions are defined in the Primary Standard.

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## 3 Referenced Standards and Documents

3.1 None.

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## 4 Requirements for Panel FOUP Loadport

4.1 Individual specifications for the 510 mm × 515 mm panel are listed in Figure 1 and Table 1.

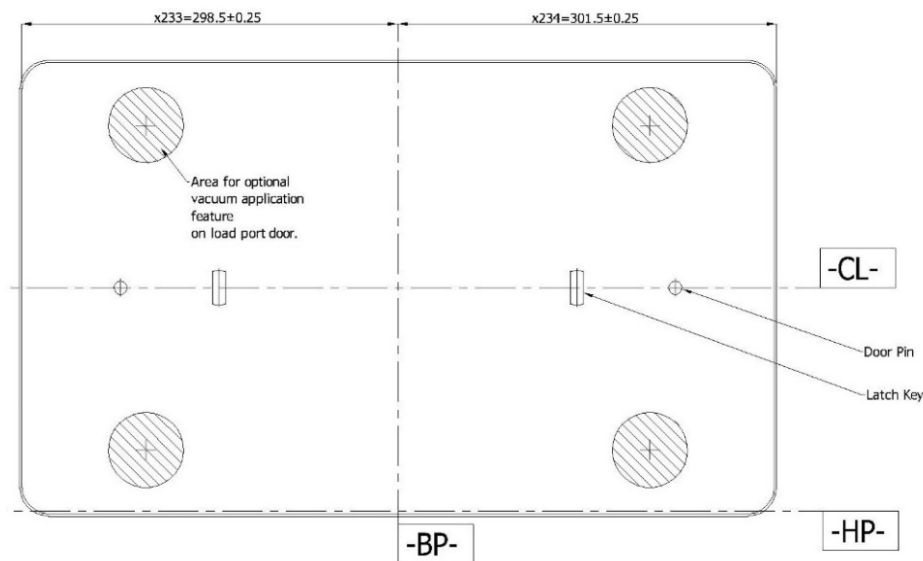


**Figure 1**  
**Load Port Door**

NOTE 1: All linear dimensions are in mm, all angular dimensions are in degrees.

**Table 1 Loadport Door Dimensions**

| <i>Symbol Used</i> | <i>Figure</i> | <i>Value Specified</i> | <i>Datum Measured From</i> | <i>Feature Measured To</i>     |
|--------------------|---------------|------------------------|----------------------------|--------------------------------|
| <i>x233</i>        | 1             | 298.5 ± 0.25 mm        | BP                         | Outside edge of load port door |
| <i>x234</i>        | 1             | 301.5 ± 0.25 mm        | BP                         | Inside edge of load port frame |

#1 Reference dimensions are in parentheses and are not requirements.

#2 Measured values for dimensions without specified tolerance should be rounded up or down to the last significant figure of the dimension in accordance with good engineering practice.

#3 Measured values for dimensions with specified tolerances should be rounded up or down to the last significant figure of the tolerance in accordance with good engineering practice.

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