SEMI E182.1-0621 (Reapproved 0723)
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 Requirements for Panel FOUP Loadport

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

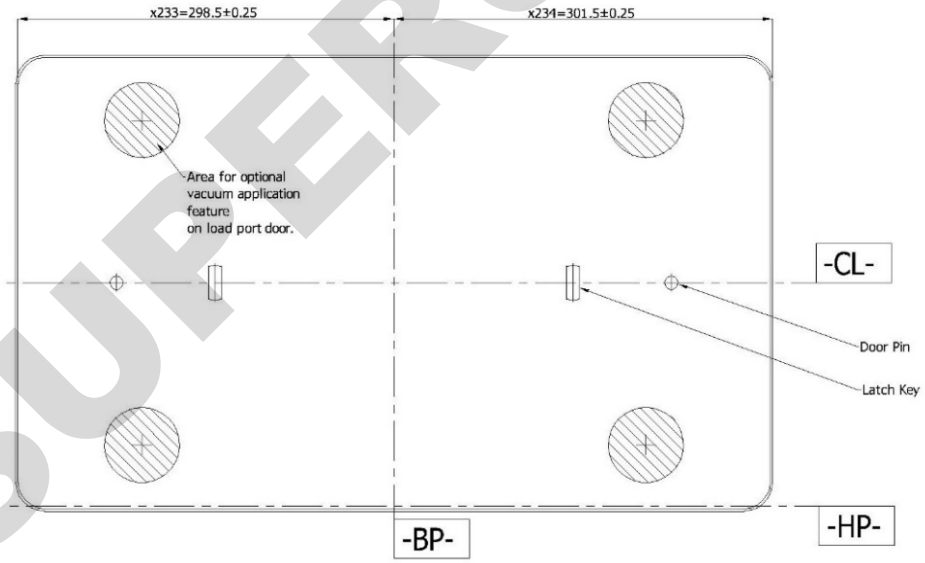

Figure 1
Load Port Door

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

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Table 1 Loadport Door Dimensions

Symbol Used	*Figure*	*Value Specified*	*Datum Measured From*	*Feature Measured To*
x233	1	298.5 ± 0.25 mm	BP	Outside edge of load port door
x234	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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