



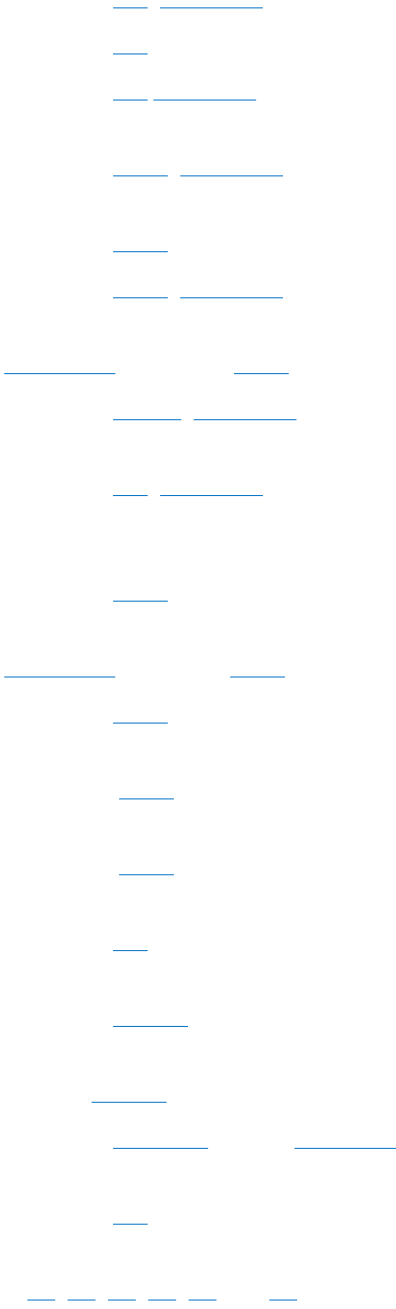
Rev. 2.0

01/02/2022


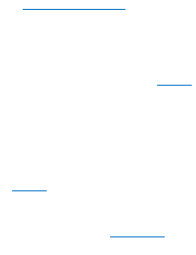


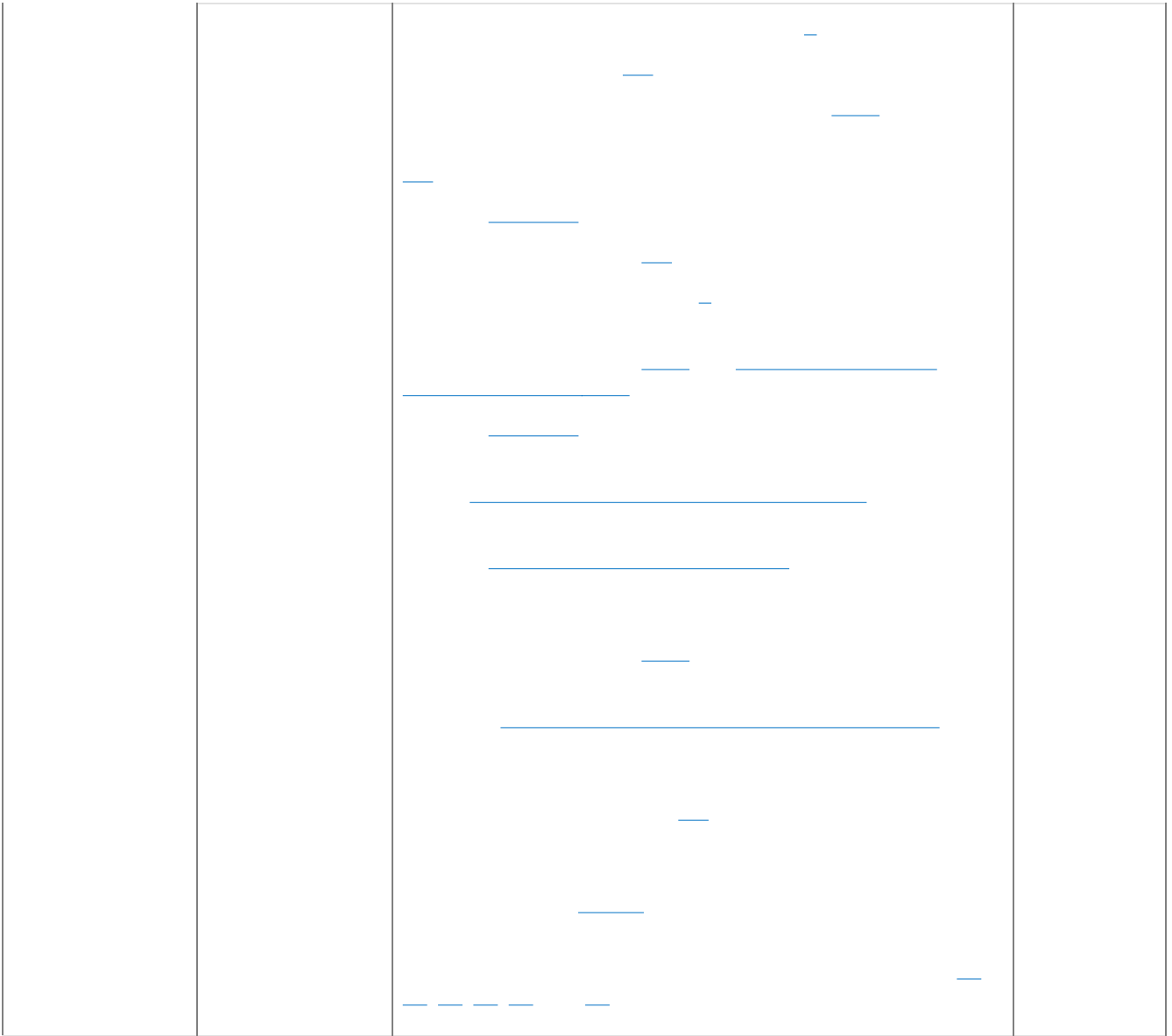
		
		

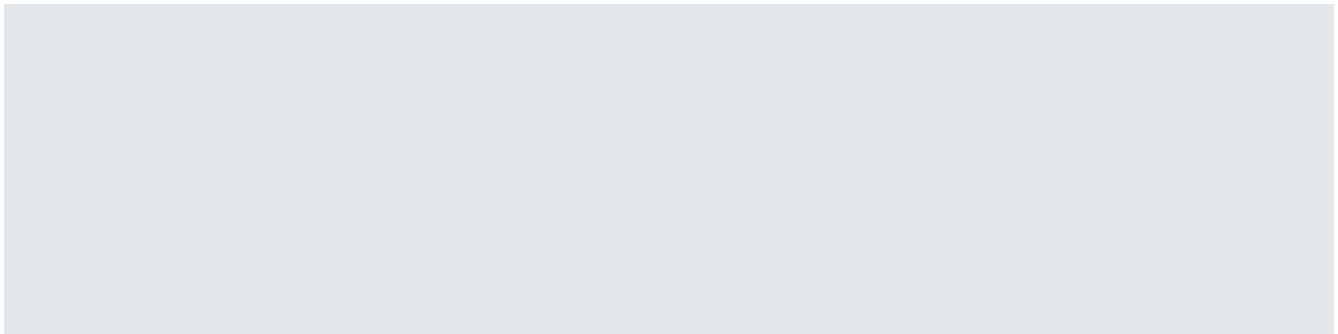
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	 <p>A diagram showing three horizontal solid lines on the left side, stacked vertically. On the right side, there is a single horizontal dashed line.</p>	
	 <p>A diagram showing one horizontal solid line on the left side. On the right side, there is a single horizontal dashed line.</p>	
	 <p>A diagram showing one horizontal solid line on the left side. On the right side, there is one horizontal solid line. At the bottom center, there is another horizontal solid line.</p>	





PCI-Express (PCIe*) Add-in Card Connector



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demand

available



12VHPWR

48VHPWR

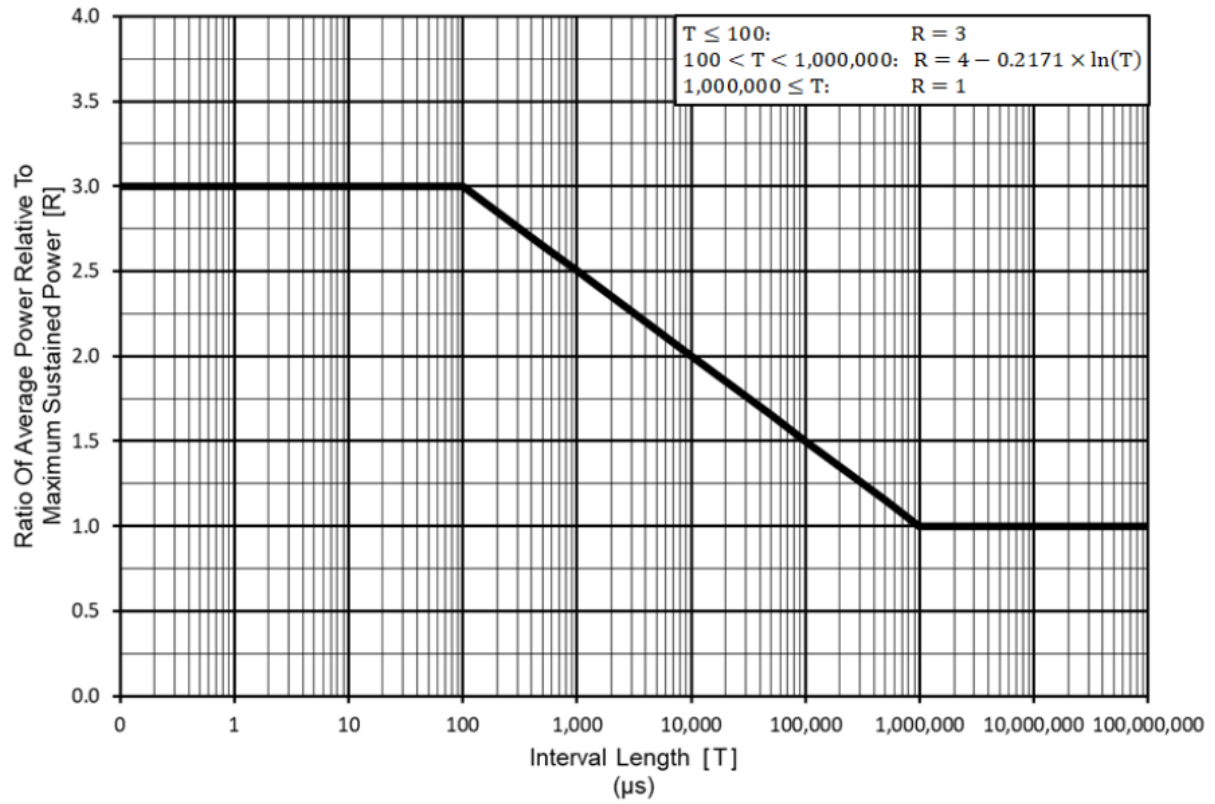
Sustained Power,

Power

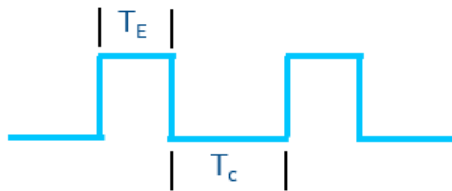
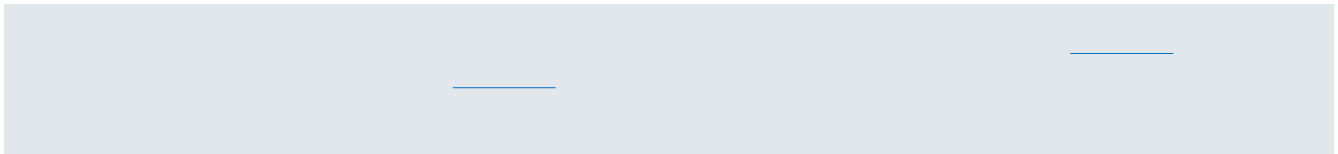
Excursion Limits for 300W-600W PCIe AICs" (Doc# 16495)*



PCI Express CEM 600W Add-in Card Power Excursion Limits



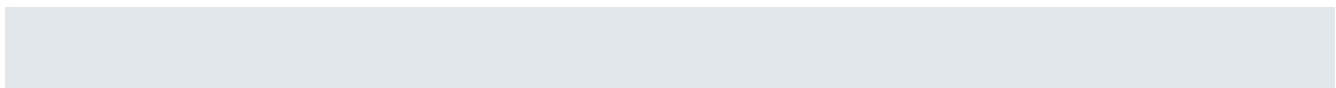
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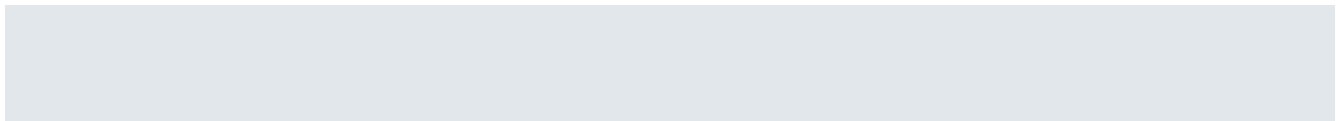


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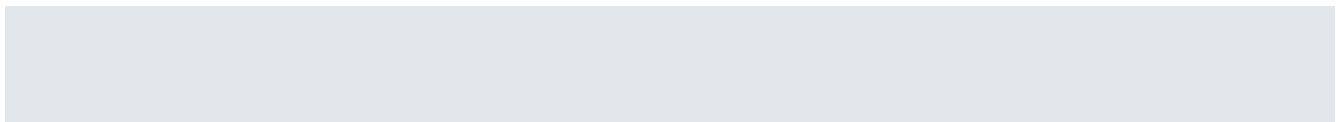
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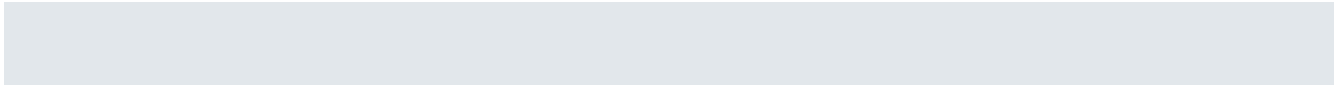


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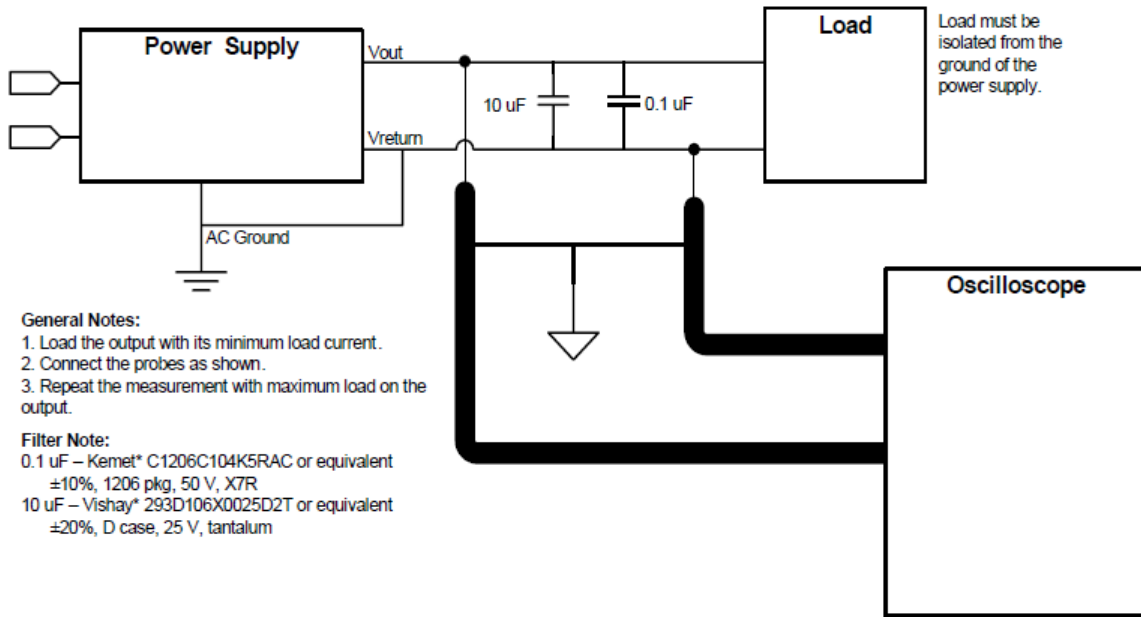


Desktop

Platform Form Factor Power Supply Test Plan

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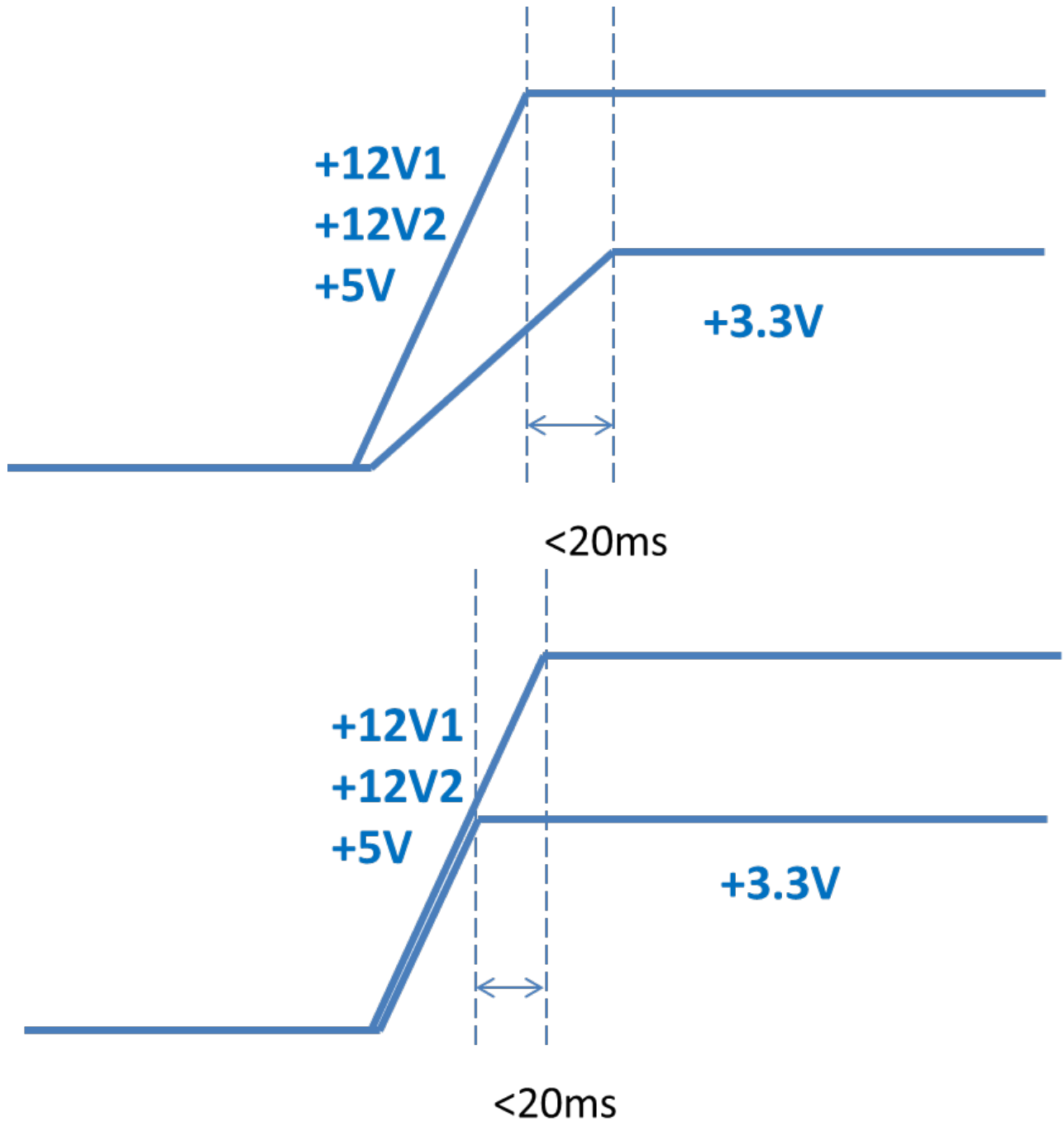
General Notes:

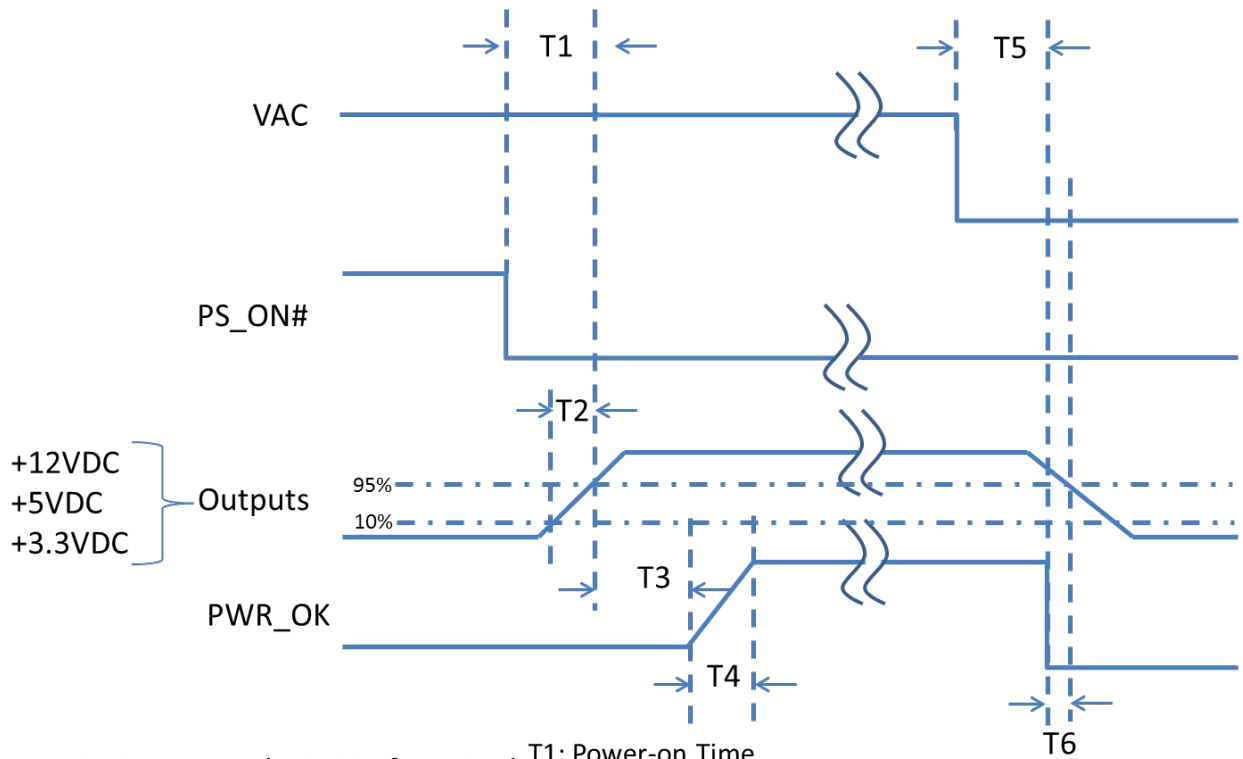
1. Load the output with its minimum load current.
2. Connect the probes as shown.
3. Repeat the measurement with maximum load on the output.

Filter Note:

- 0.1 uF – Kemet* C1206C104K5RAC or equivalent
±10%, 1206 pkg, 50 V, X7R
- 10 uF – Vishay* 293D106X0025D2T or equivalent
±20%, D case, 25 V, tantalum

Oscilloscope Note:
Use Tektronix* TDS460 or equivalent and a P6046 probe or equivalent.





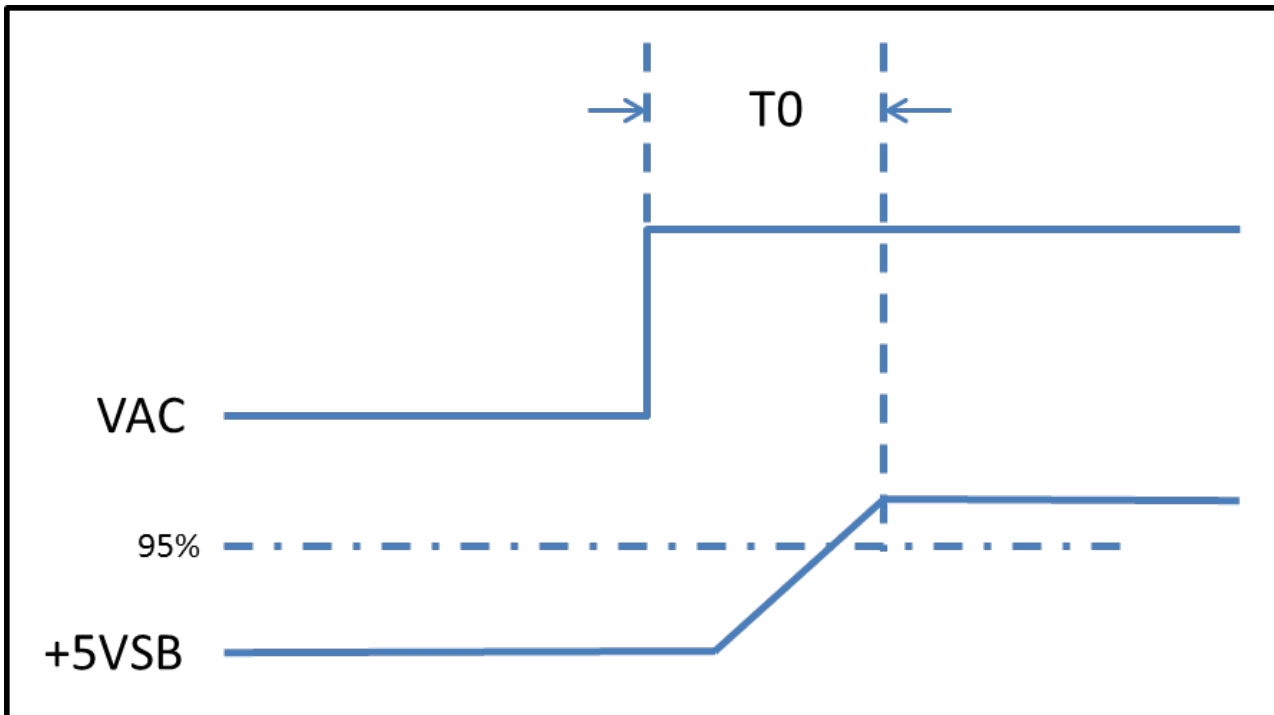
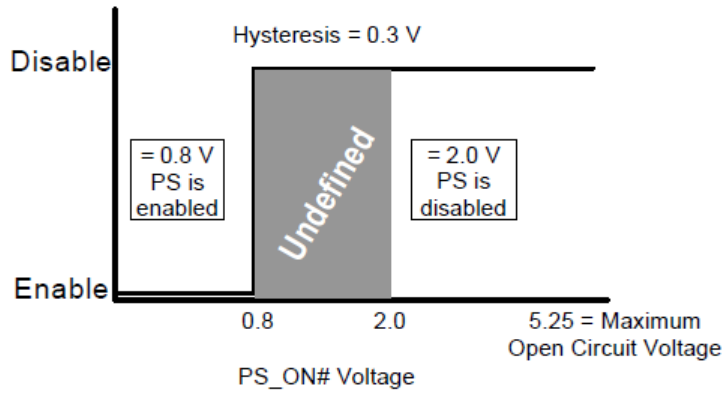
PWR_OK Sense Level = 95% of nominal

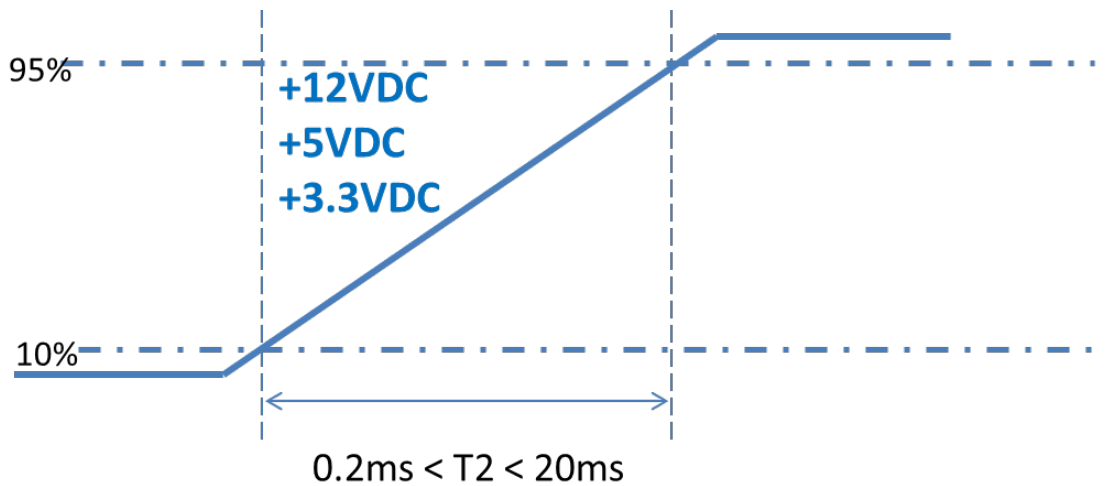
- T1: Power-on Time
- T2: Rise Time
- T3: PWR_OK delay
- T4: PWR_OK rise time
- T5: AC loss to PWR_OK hold-up time
- T6: PWR_OK inactive to DC loss delay

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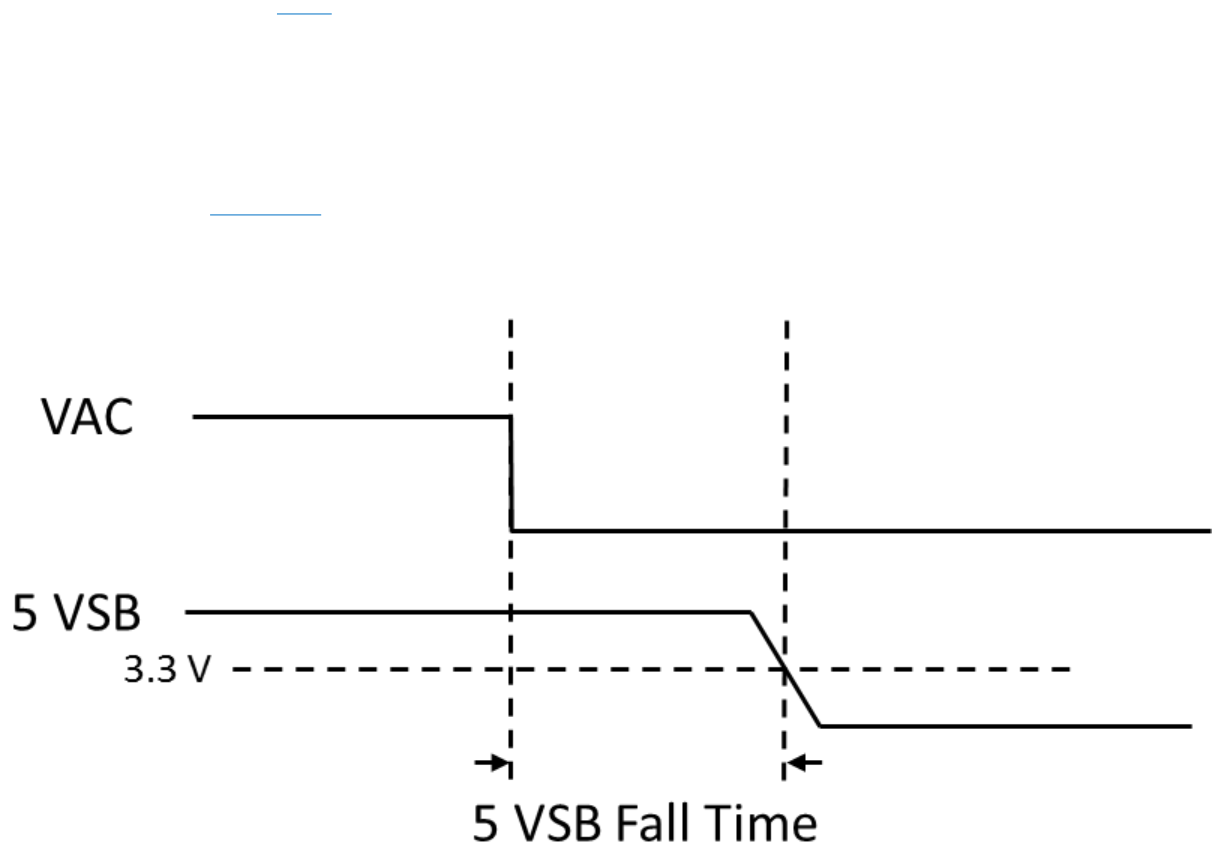




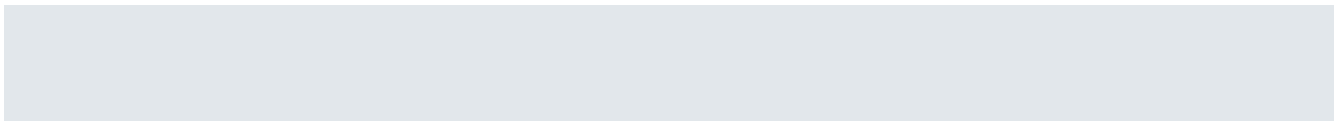




	Min slew rate (10-95%)	Max Slew Rate (10-95%)	Min Slew Rate for any 5ms segment (10-95%)
+12VDC	0V/ms	60V/ms	0.6V/ms
+5VDC	0V/ms	25V/ms	0.25V/ms
+3.3VDC	0V/ms	16.5V/ms	0.165V/ms



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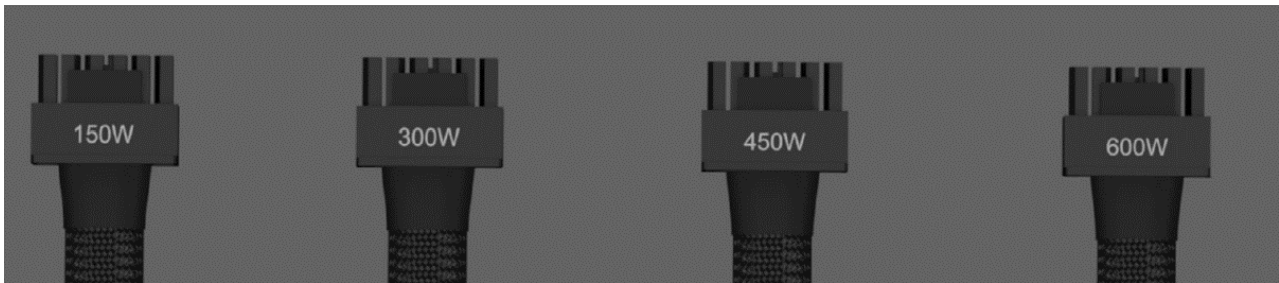
Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc

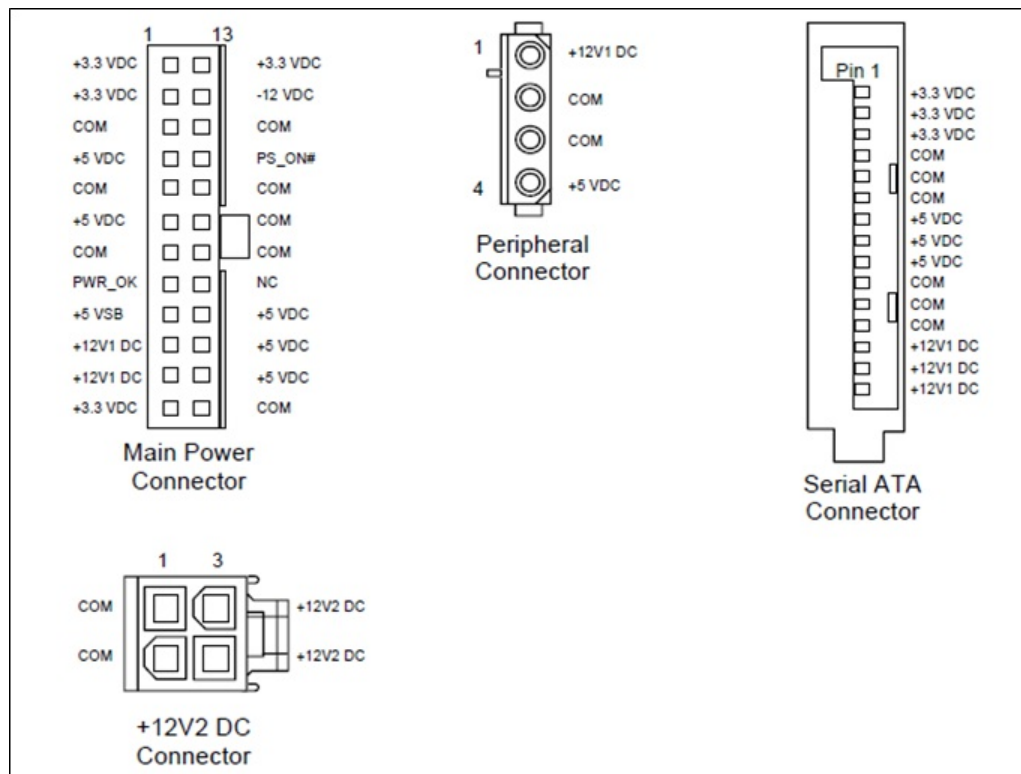
Power Supplies

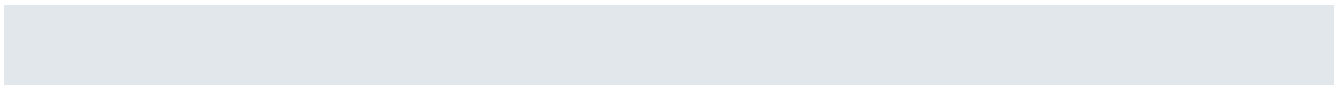
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Plug

PCB_Header

Cable

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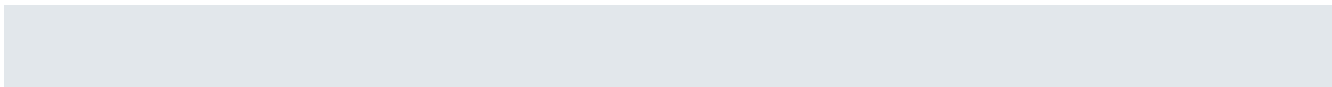
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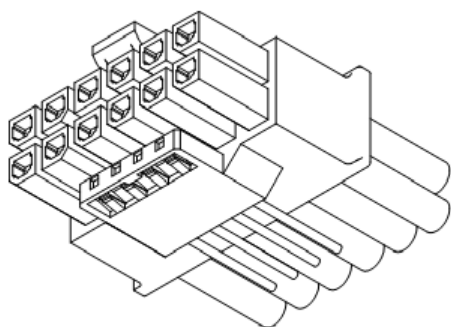
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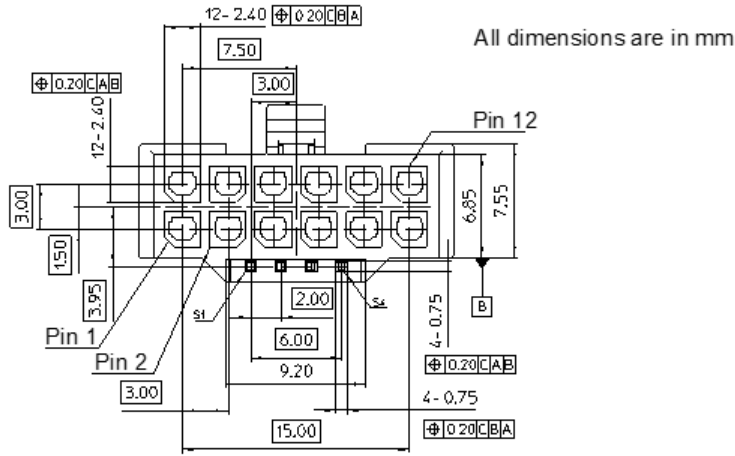
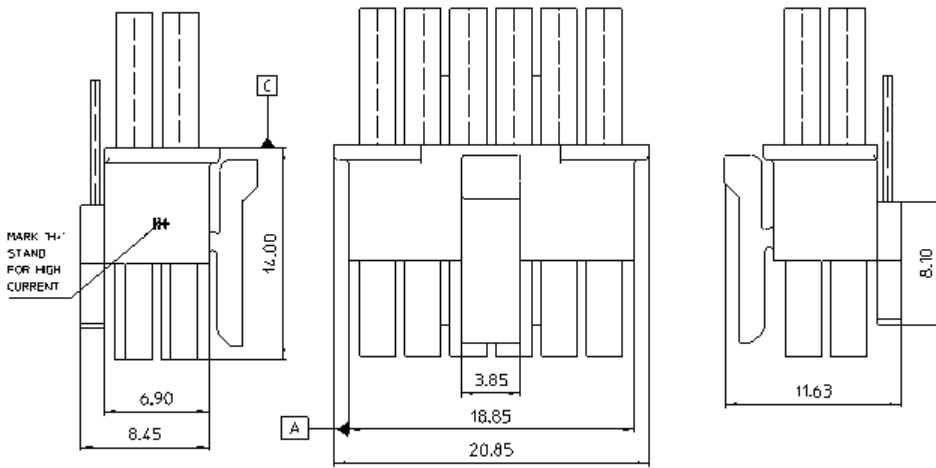
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Dimension Tolerance, unless otherwise specified is: X.X = ± 0.25 mm, X.XX = ± 0.20 mm

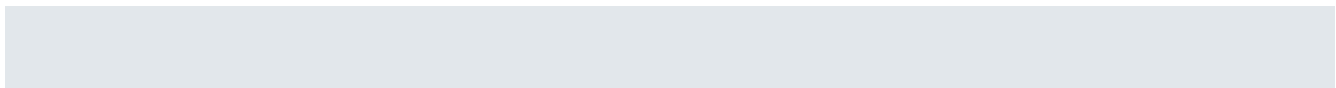


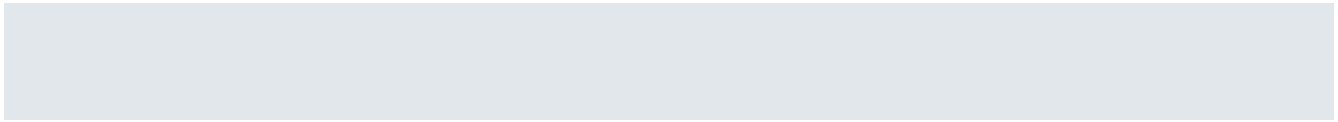
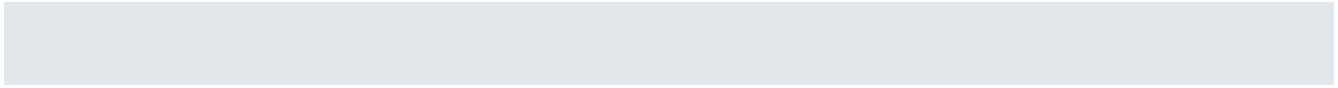
All dimensions are in mm

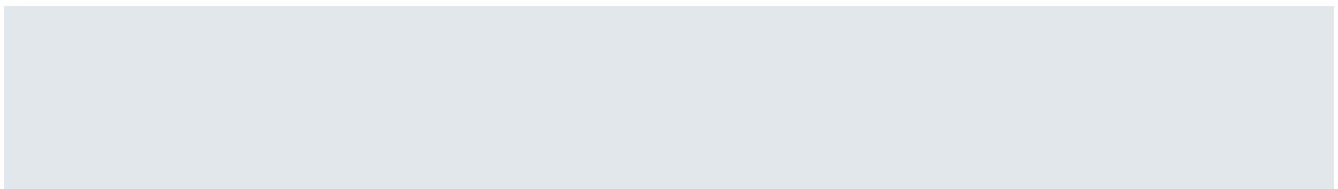
Dimension Tolerance, unless otherwise specified is: X.X = ± 0.25 mm, X.XX = ± 0.20 mm

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Molex* Housing #675820000 or equivalent
Molex* Terminal #675810000 or equivalent



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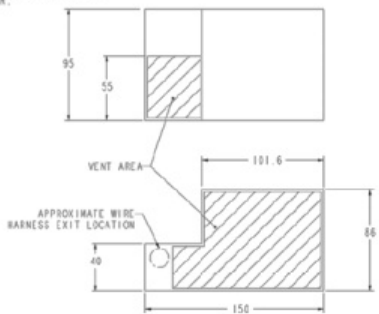
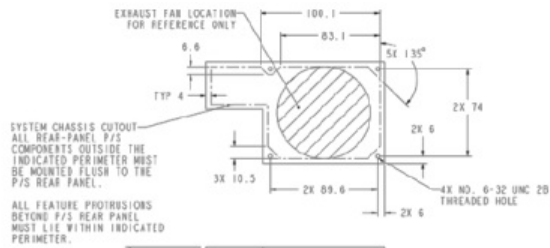
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- NOTES:
1. UNLESS OTHERWISE SPECIFIED INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994. DIMENSIONS ARE IN MILLIMETERS
 2. DRAWING NOT TO SCALE.
 3. TOLERANCES:
 LINEAR: ± 0.5
 ANGULAR: $\pm 1^\circ$
 4. IF A WIRE FAN GRILL IS REQUIRED, THE GRILL SCREWS MUST BE FLUSH MOUNTED.
 5. ANY SIDE MAY BE USER ACCESSIBLE IN FINAL SYSTEM INSTALLATION. COVER OPENINGS AS NECESSARY TO PREVENT ACCESS TO NON-SAFELY CIRCUITRY AND TO MEET PRODUCT SAFETY REQUIREMENTS.



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