

ISET

RC

Current Limiter

[illegible]

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ISSET

$I_{GATE_HS} = 42.8\text{mA}$
 $I_{GATE_LS} = 80.7\text{mA}$

RC

$T_{OFF} = 49.4\mu\text{s}$
 $T_{BLANK} = 6.7\mu\text{s}$

Current Limiter

$I_{MAX} = 10\text{A}$
 $V_{REF_MAX} = 0.5\text{V}$

$I_{GATE_HS} = 42.8\text{mA}$
 $I_{GATE_LS} = 80.7\text{mA}$

RC

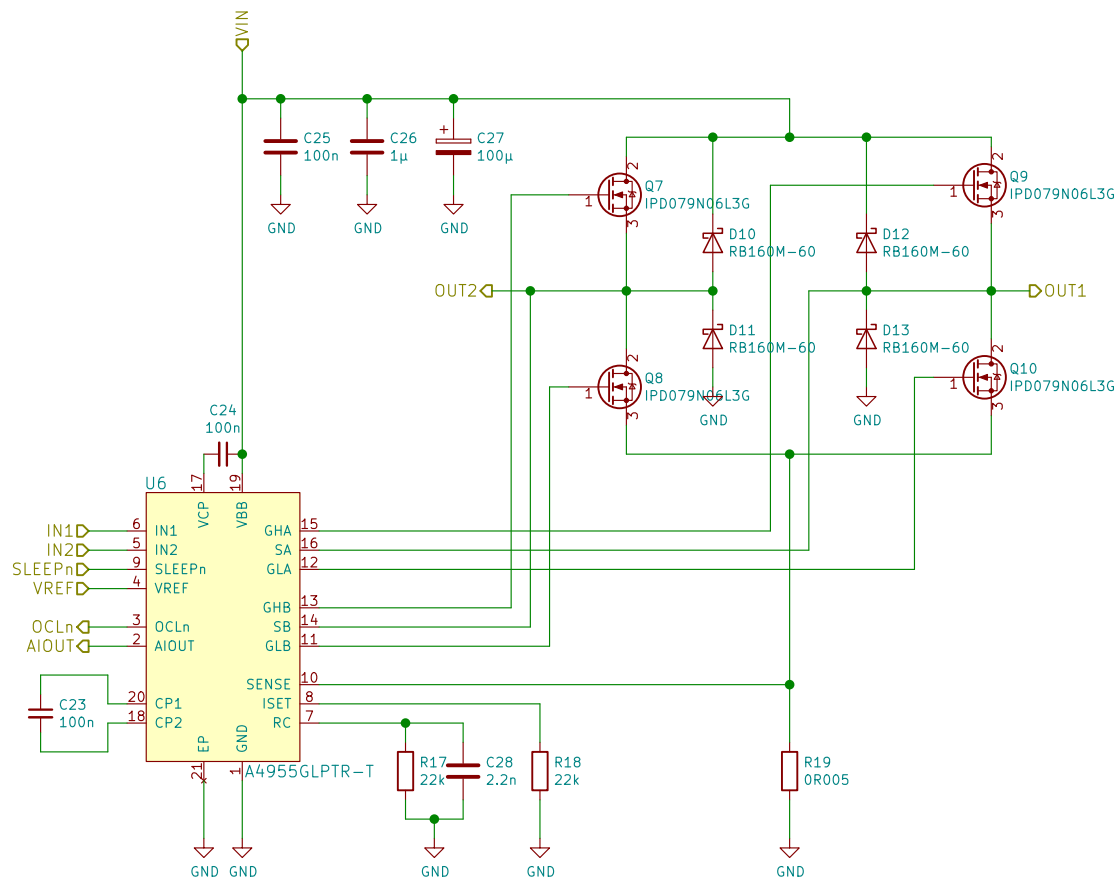
$T_{OFF} = 49,4\mu s$
 $T_{BLANK} = 6,7\mu s$

T_OFF = 49,4 μ s
T_BLANK = 6,7 μ s

Current Limiter

$I_{MAX} = 10A$
 $VREF_{MAX} = 0.5V$

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I_MAX = 10A
VREF_MAX = 0.5V
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Sheet: /PWM_Bridge_A4955-B/
File: PWM_Bridge_A4955.sch

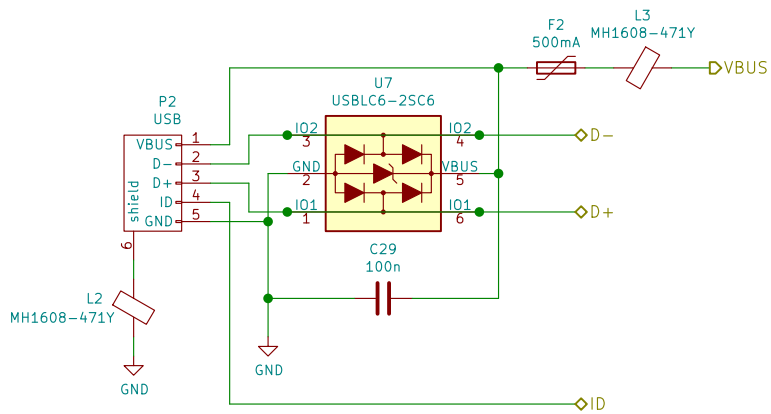
Title: A4955 PWM Bridge

Size: A4	Date: 2016-12-03	Rev: 0.1
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4	5	
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Sheet: /Protected_USB_Supply/
File: Protected_USB_Supply.sch

Title: USB input including protection circuit

Size: A4 Date: 2016-12-03
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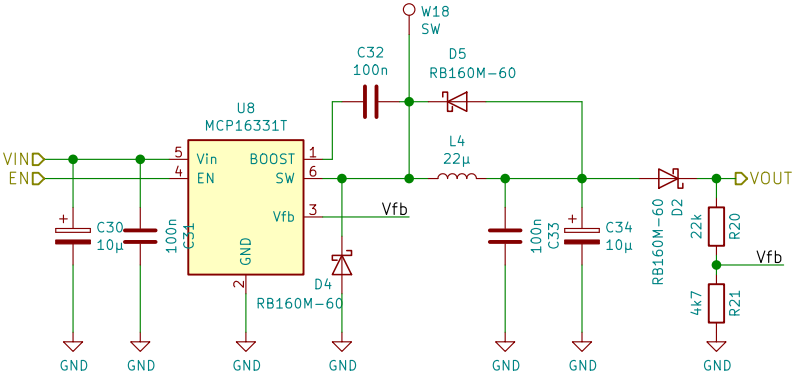
Rev: 0.1
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CALCULATIONS

OUTPUT VOLTAGE

R_TOLERANCE = 5%
U_OUT_MIN = 4.18V
U_OUT_MAX = 4.93V

R_TOLERANCE = 1%
U_OUT_MIN = 4.47V
U_OUT_MAX = 4.62V



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Sheet: /MCP16331_5V/

File: MCP16331_5V.sch

Title: Step Down with input range of 10V-50V

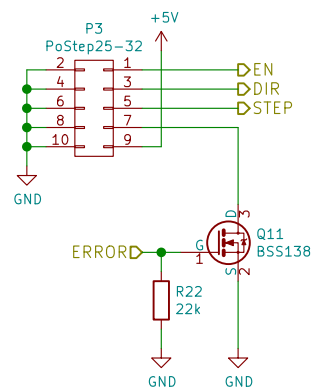
Size: A4

Date: 2016-12-03

Rev: 0.1

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Sheet: /PoStep25-32_galvanic/
File: PoStep25-32_galvanic.sch

Title: ProStep25-32 input including optional galvanic separation

Size: A4 Date: 2016-12-03 Rev: 0.1

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