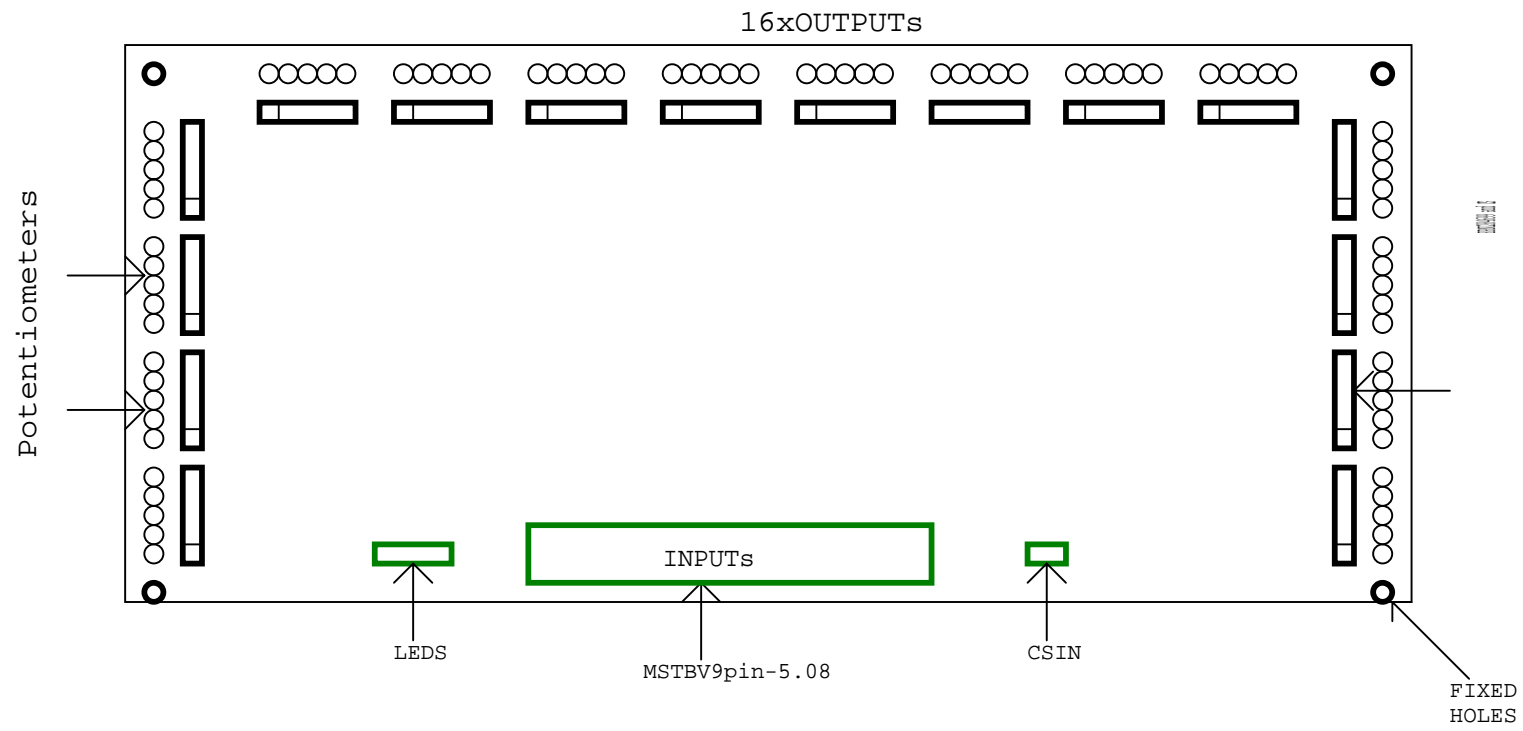


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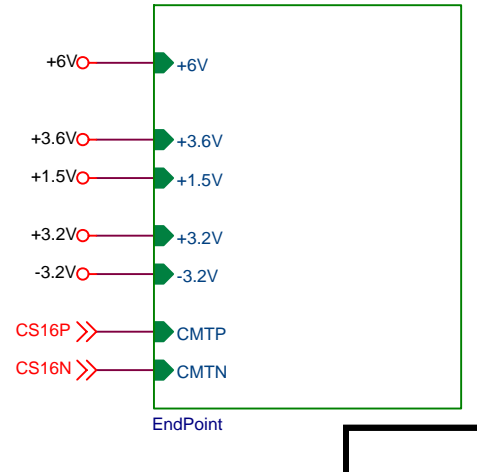
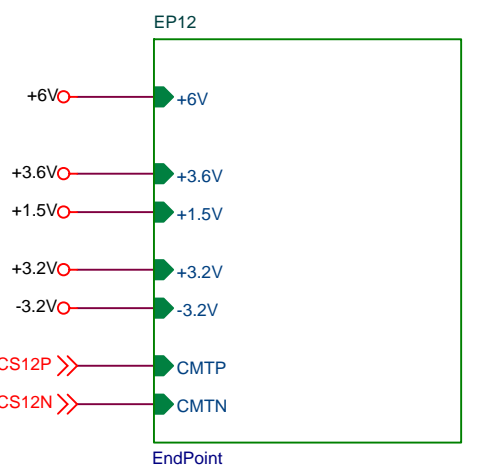
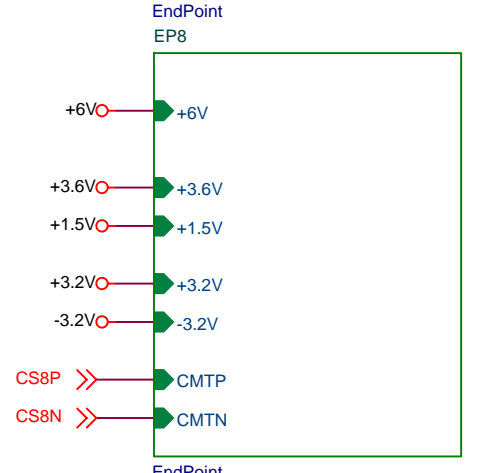
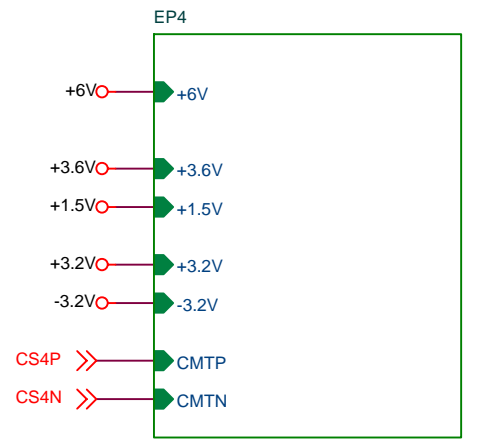
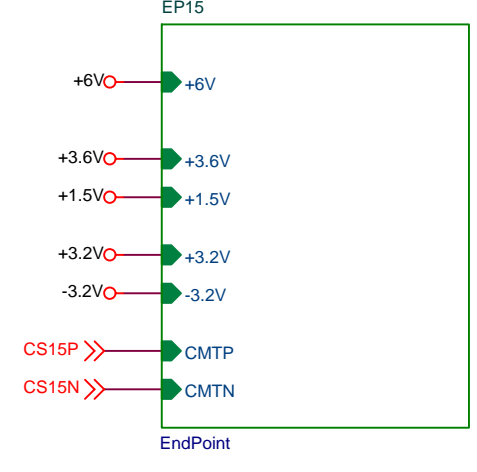
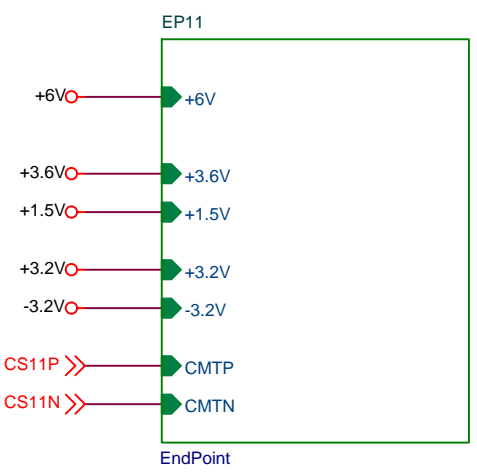
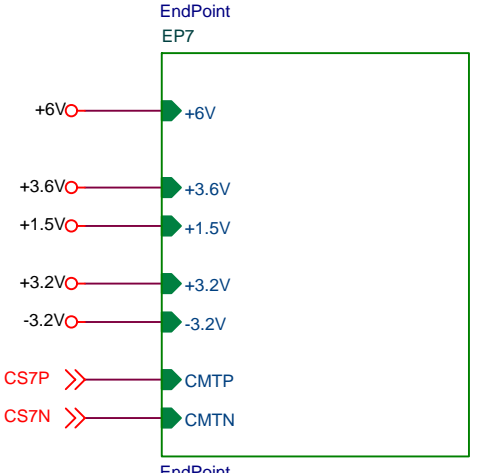
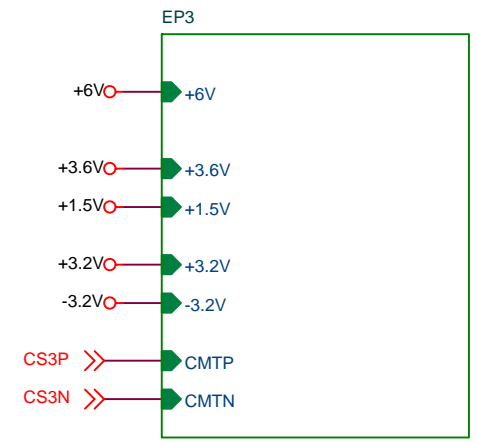
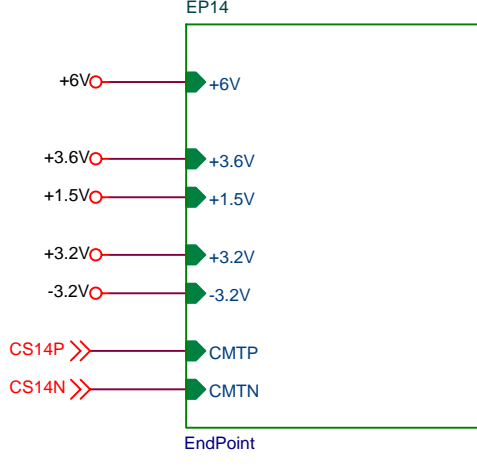
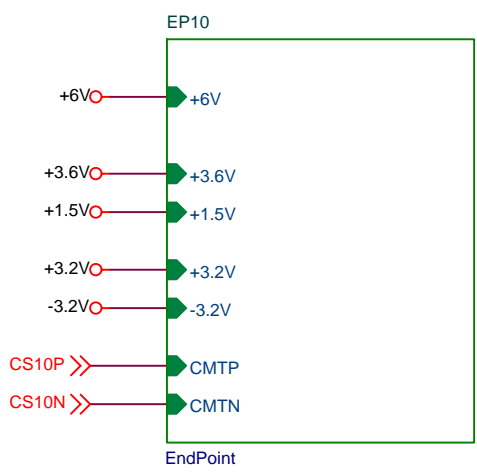
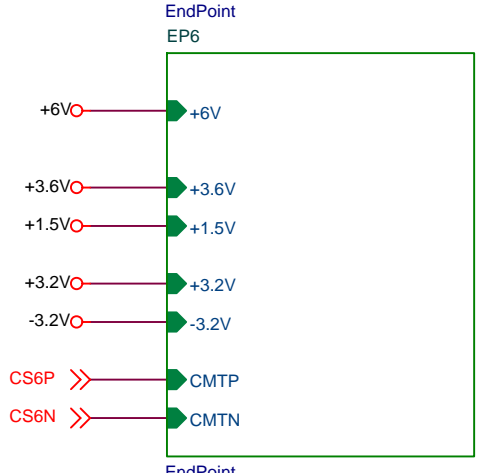
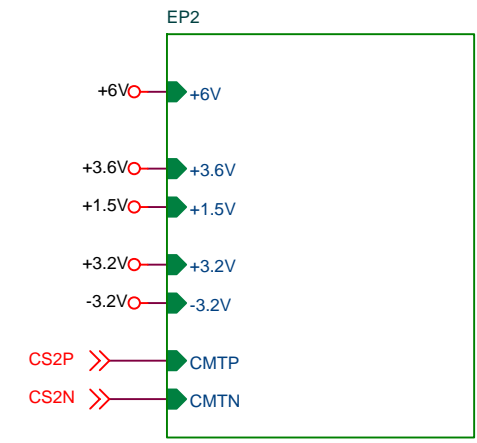
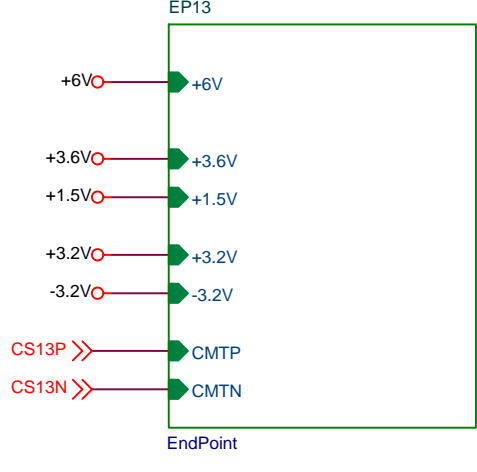
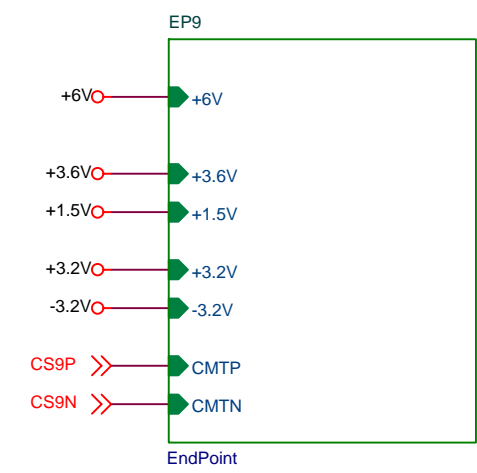
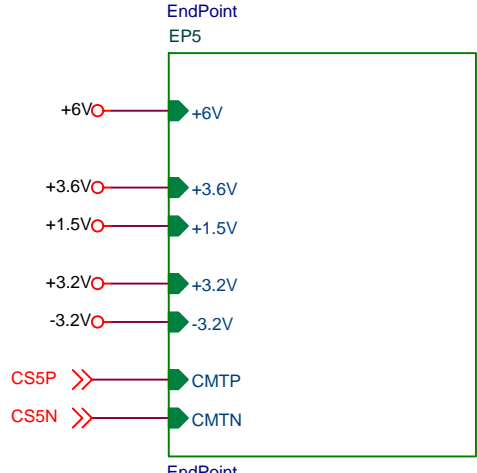
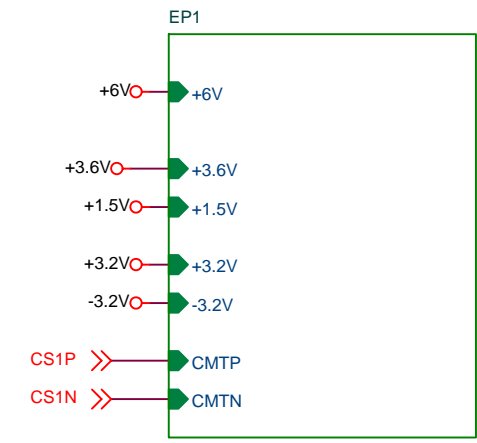
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 Modified: Monday, May 11, 2009 Size: A3 Page: 1 / 19
 Designer: <Designer> Layouter: <Layouter>



Suggest 8 layers, top for +5V, bottom for GND, m1 for CST, other for each PW out!

Layout



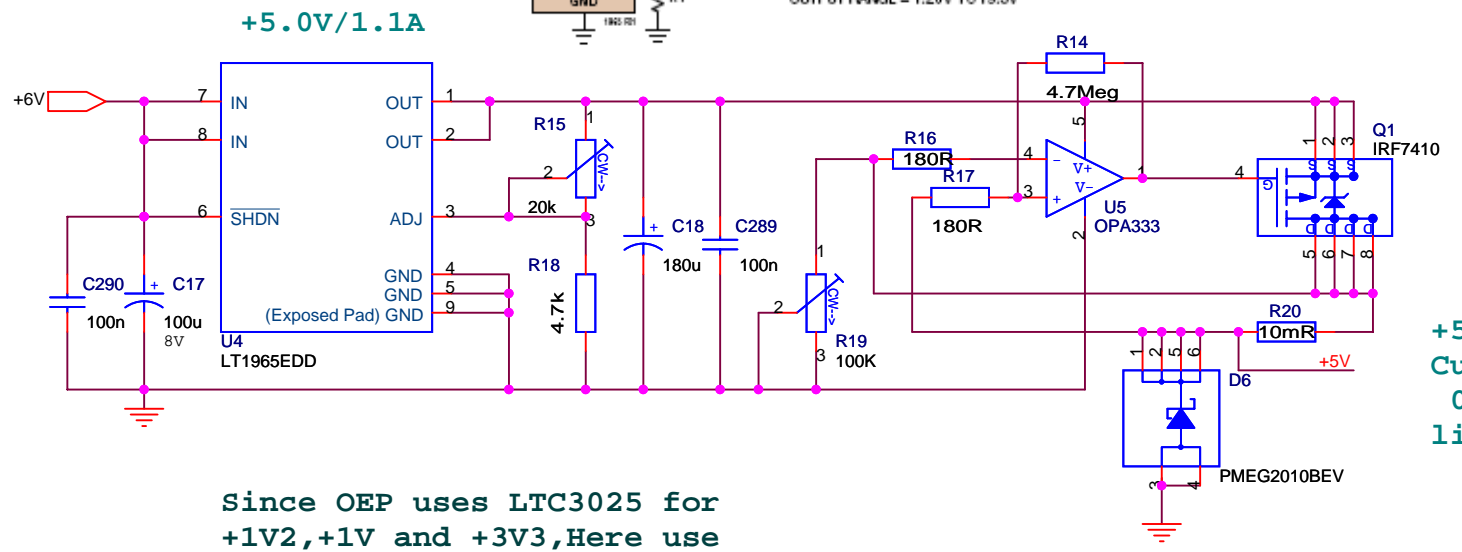
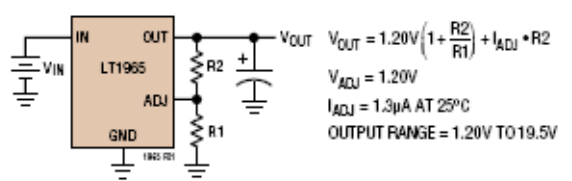
- Fix Hole
- Fix Hole
- Fix Hole
- Fix Hole

16xConnectors for 16xOEP

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<Title>

Design: K:\GSI\JOBHADES-MDC\MDC-FAN-PWMDC-FAN-PW2\FAN-PW2.DSN	Size: A3	Page: 3 / 19
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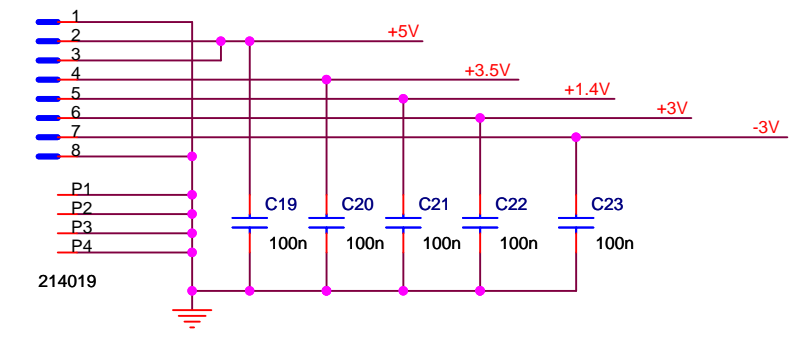


Since OEP uses LTC3025 for +1V2, +1V and +3V3, Here use same LT3025 for all

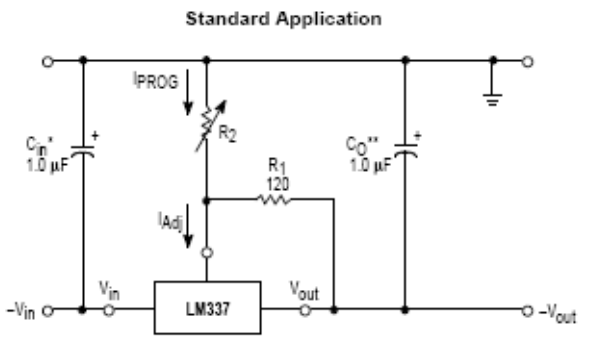
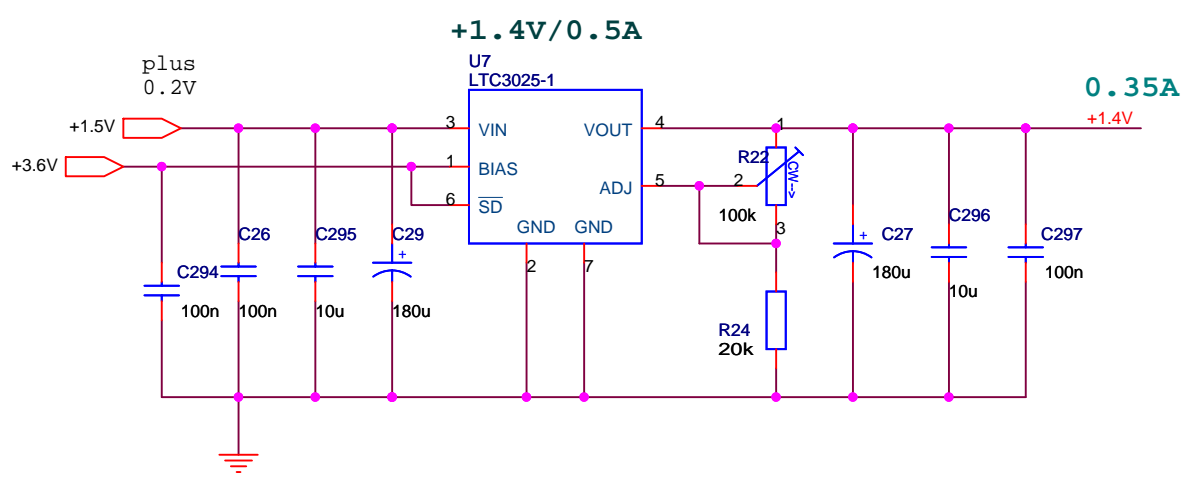
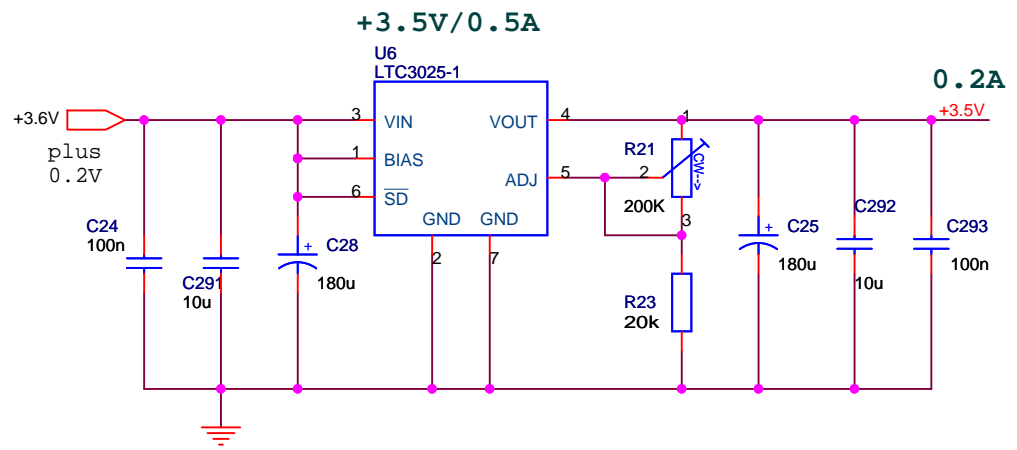
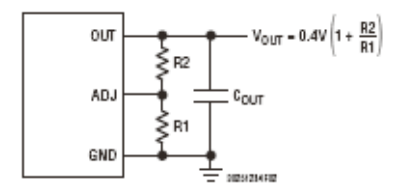
+5V Current limiter
0.95A

The PW inputs should be higher than the marked inputs about 0.2V

POW1

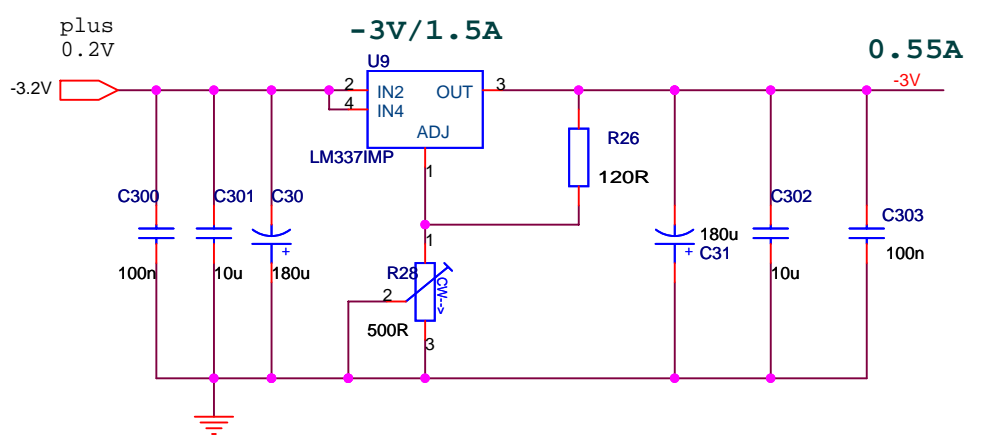
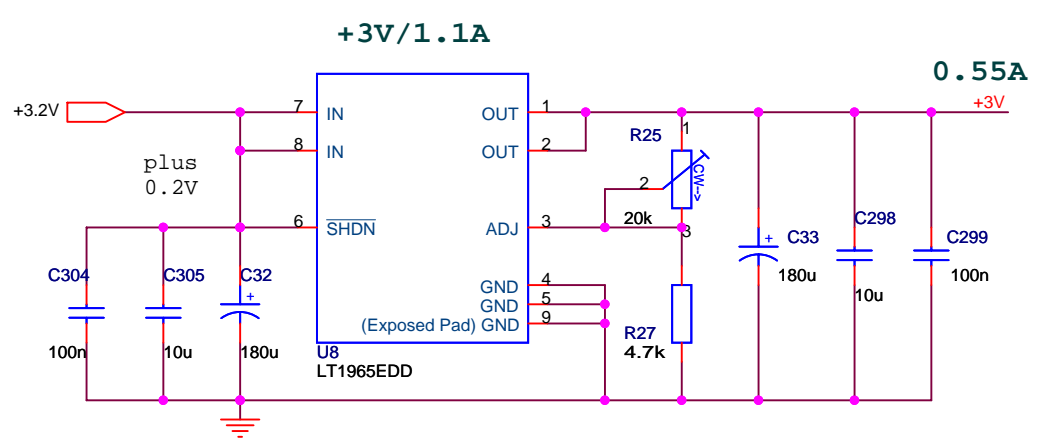


LTC3025-1

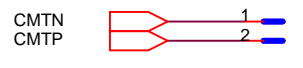


*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

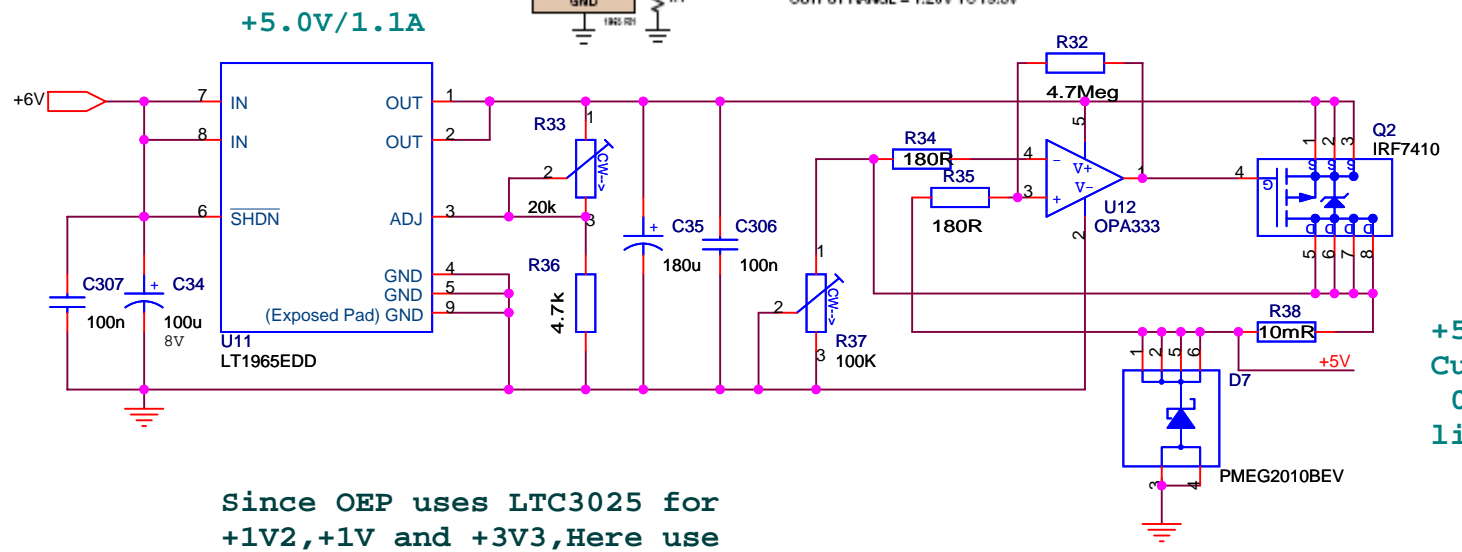
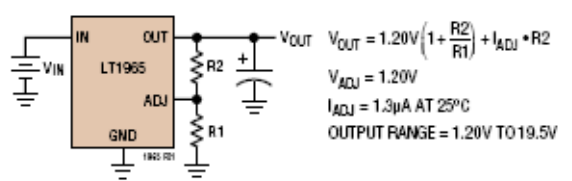
**C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



CSOUT1



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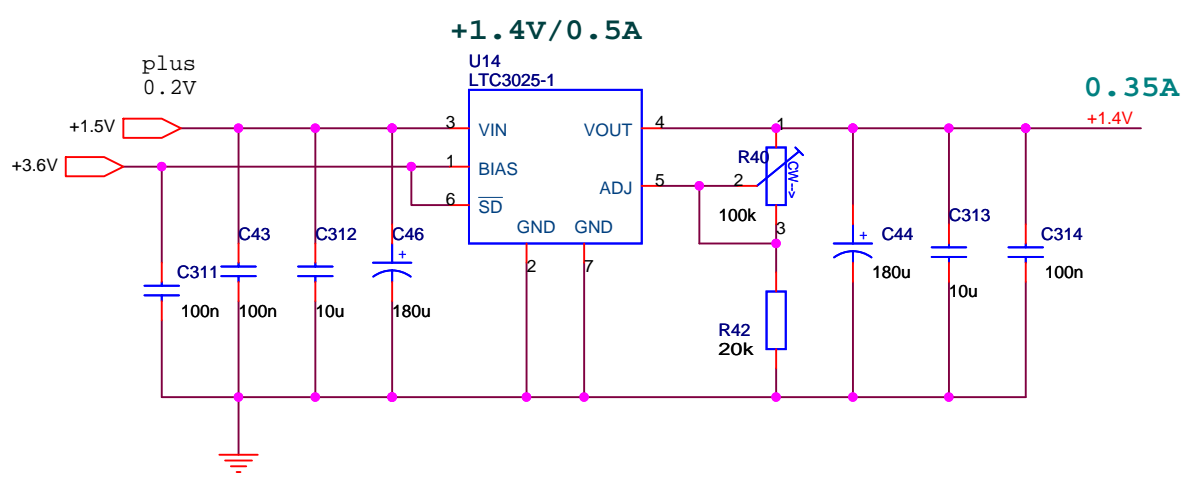
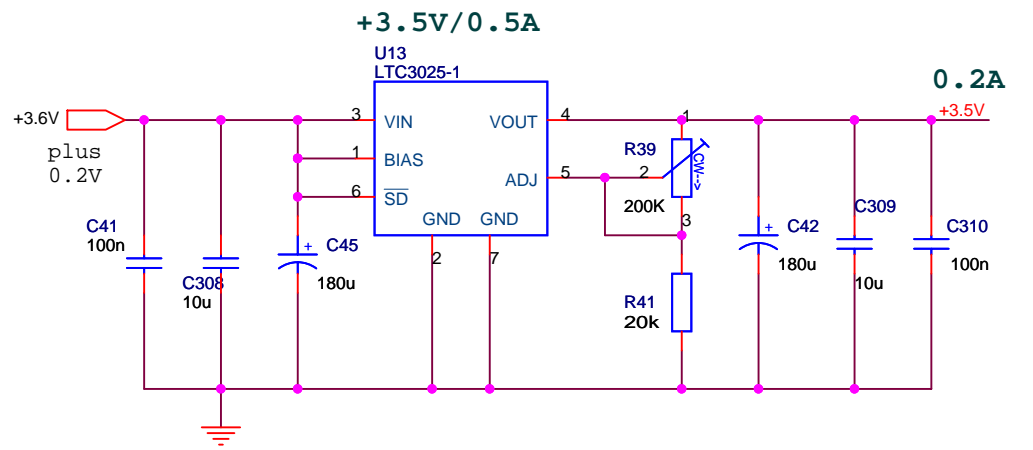
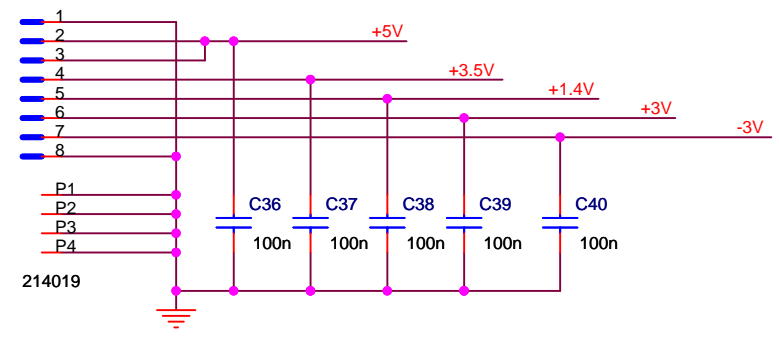


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

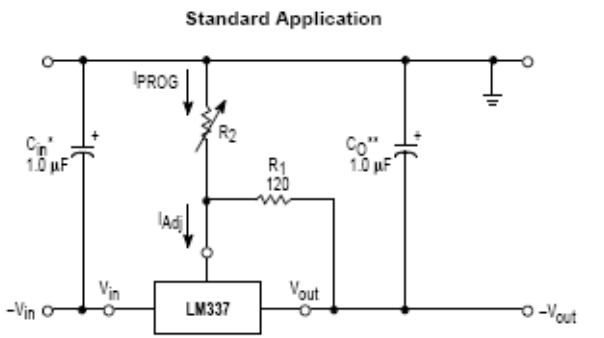
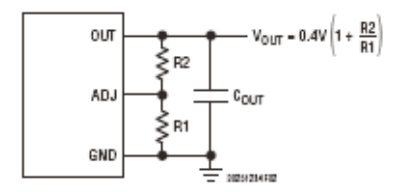
**+5V
Current
0.95A
limiter**

The PW inputs should be higher than the marked inputs about 0.2V

POW3

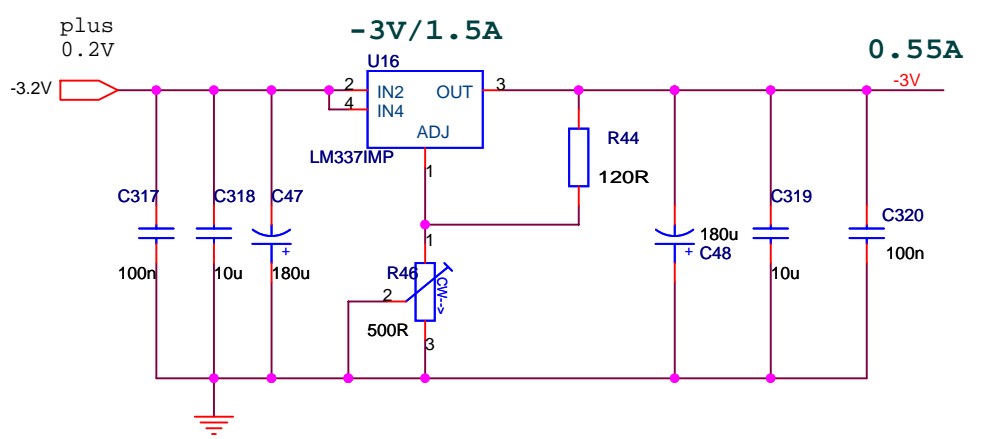
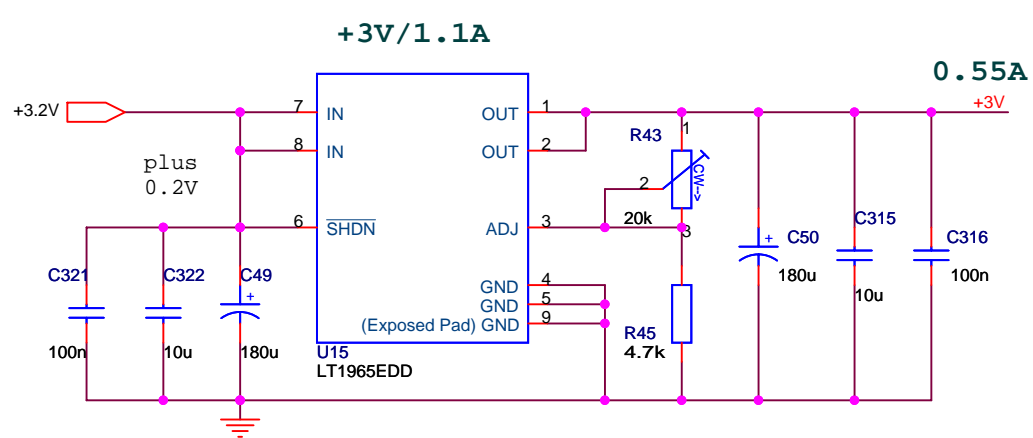


LTC3025-1

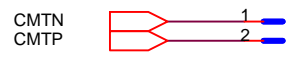


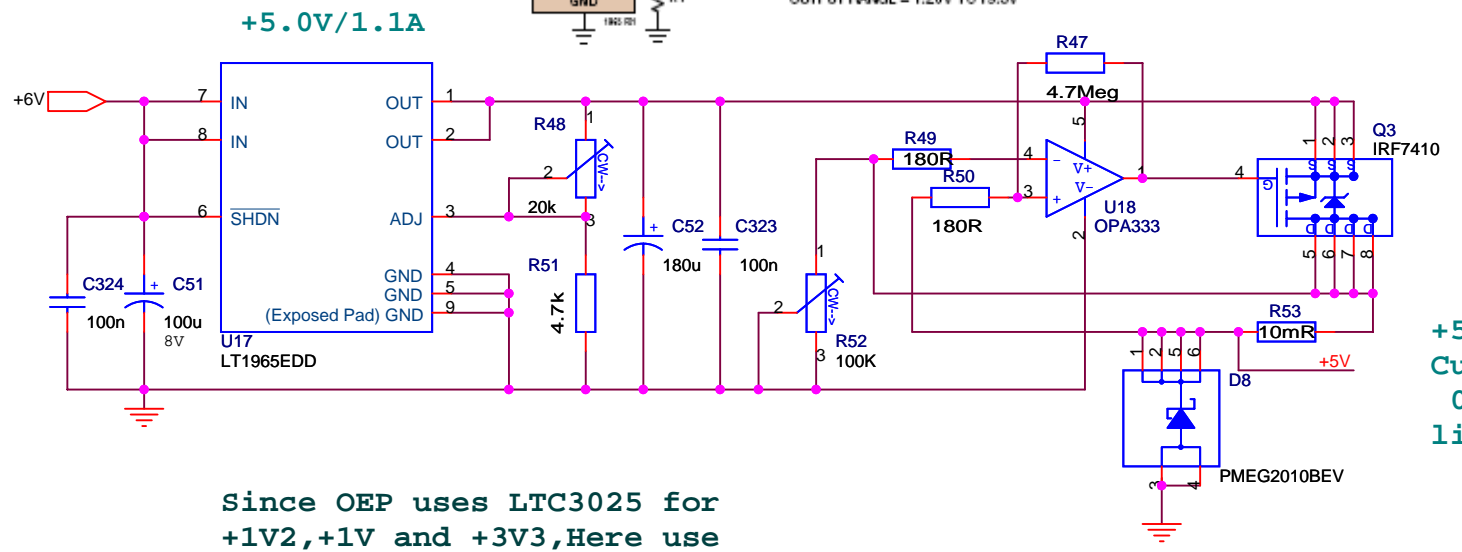
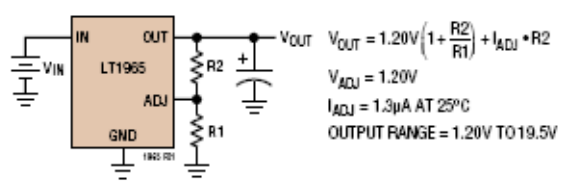
*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

**C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



CSOUT2



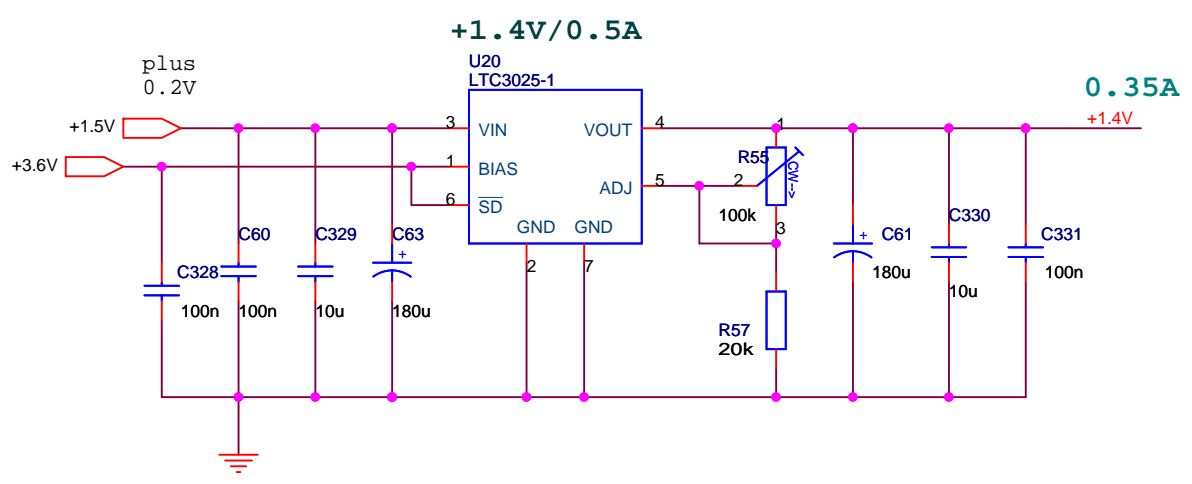
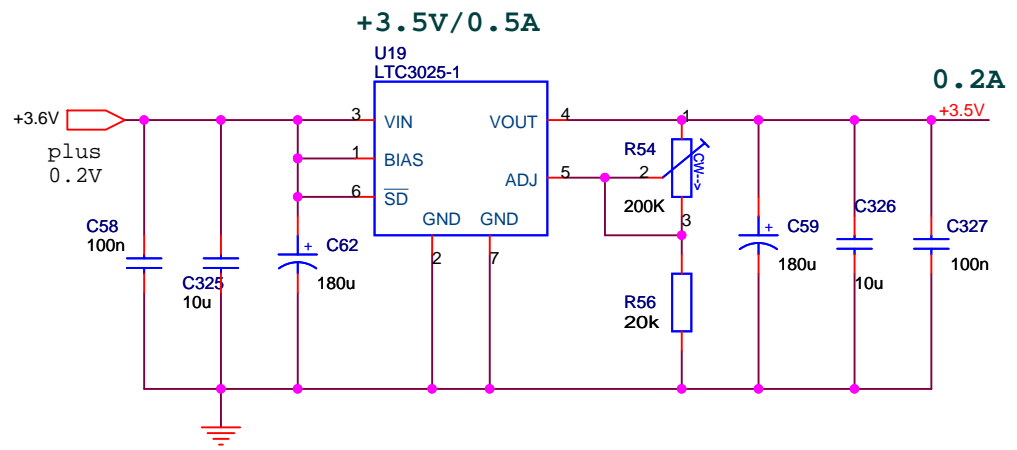
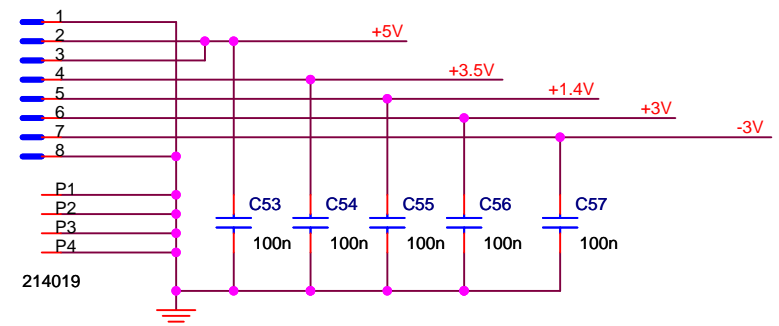


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

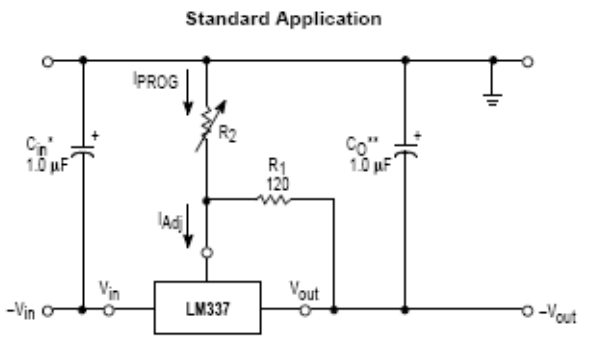
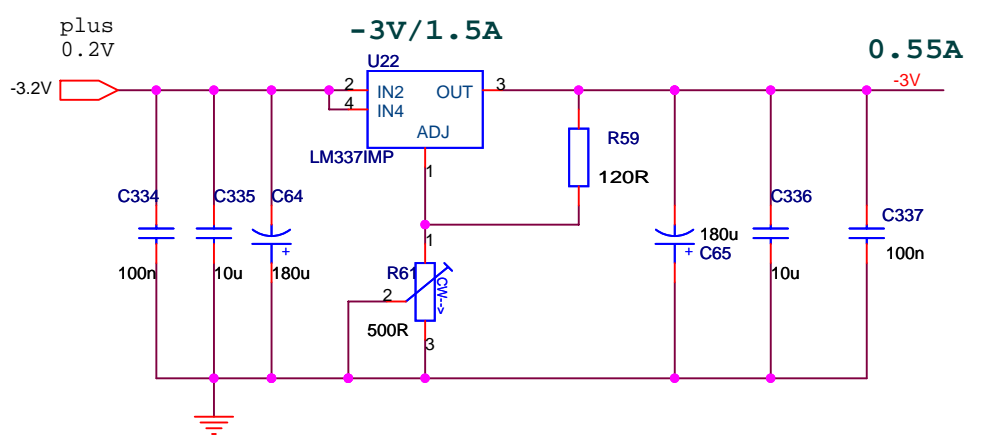
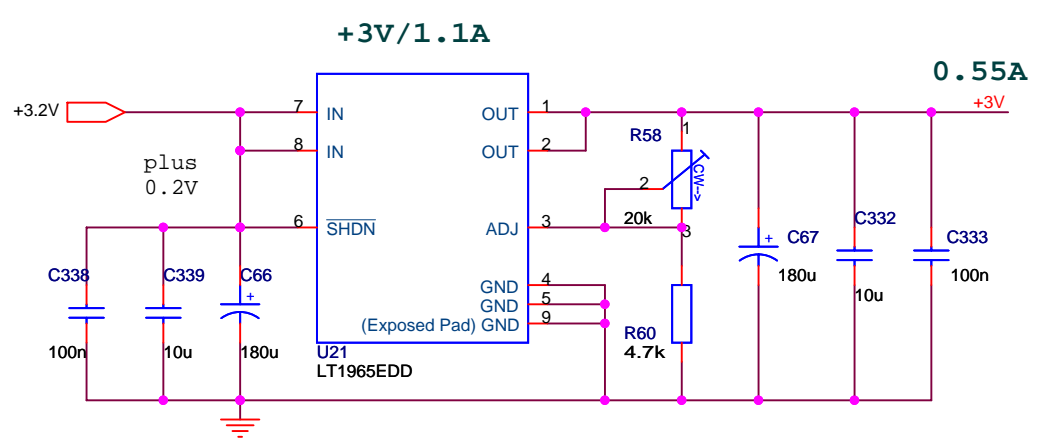
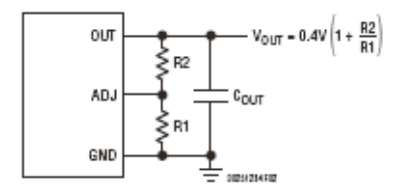
+5V Current limiter 0.95A

The PW inputs should be higher than the marked inputs about 0.2V

POW4



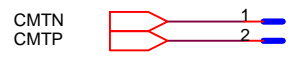
LTC3025-1



*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

**C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

CSOUT3

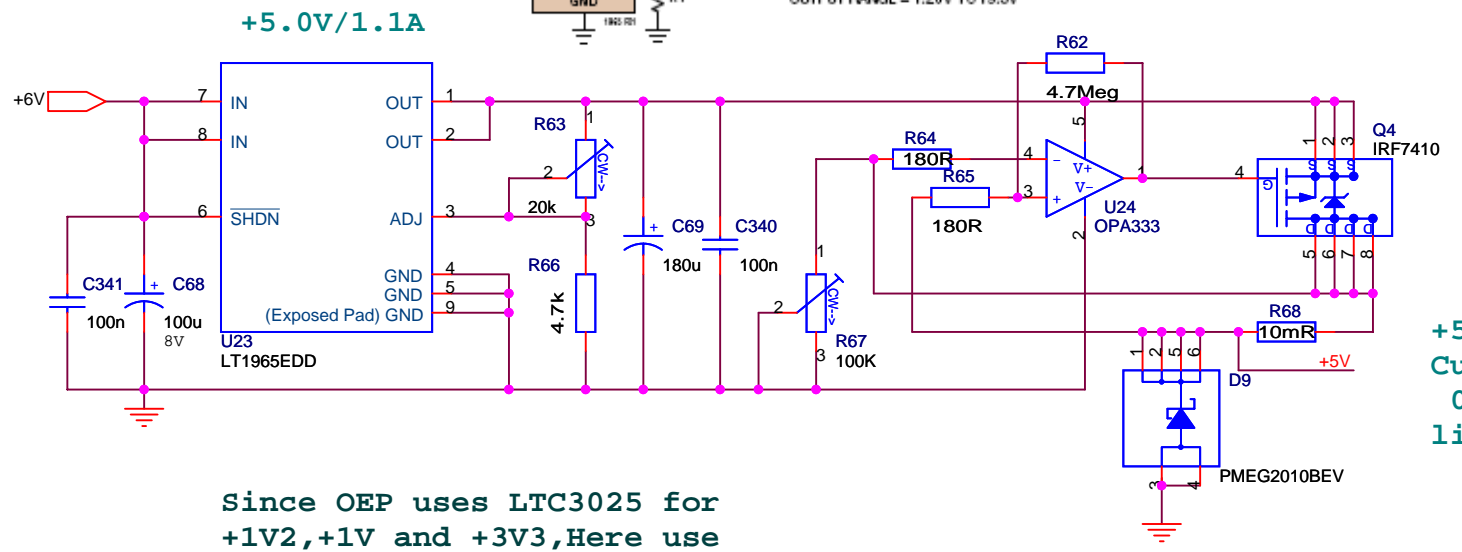
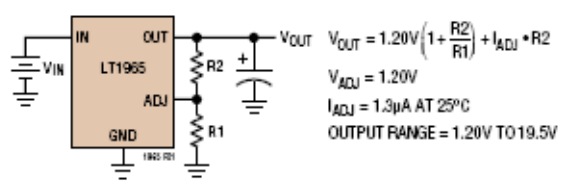


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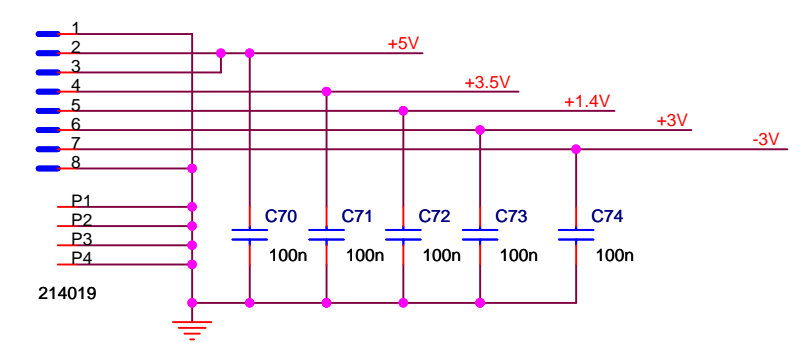
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 Modified: Monday, May 11, 2009
 Designer: <Designer>

Size: A3
 Page: 6 / 19
 Layouter: <Layouter>

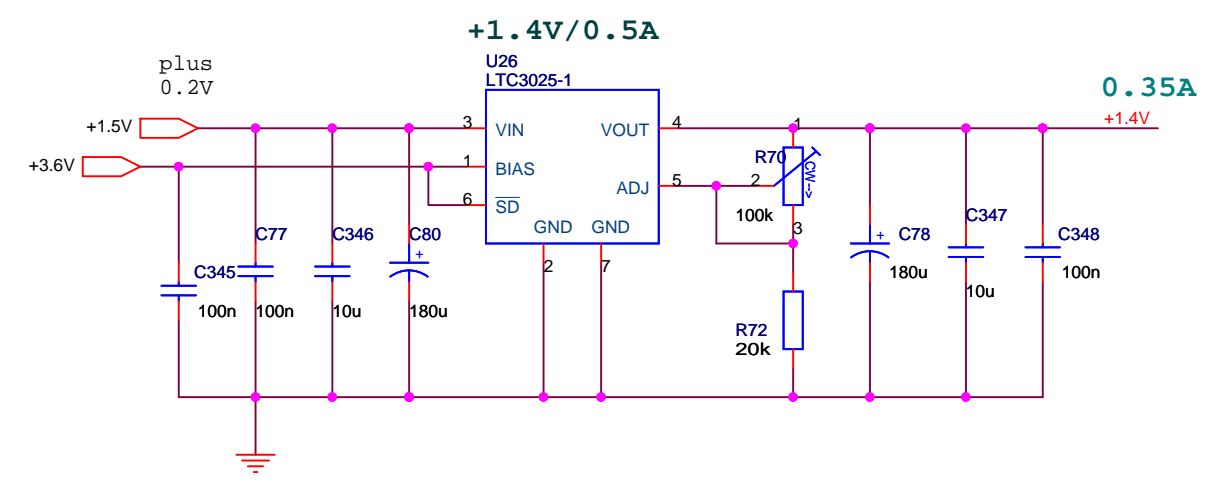
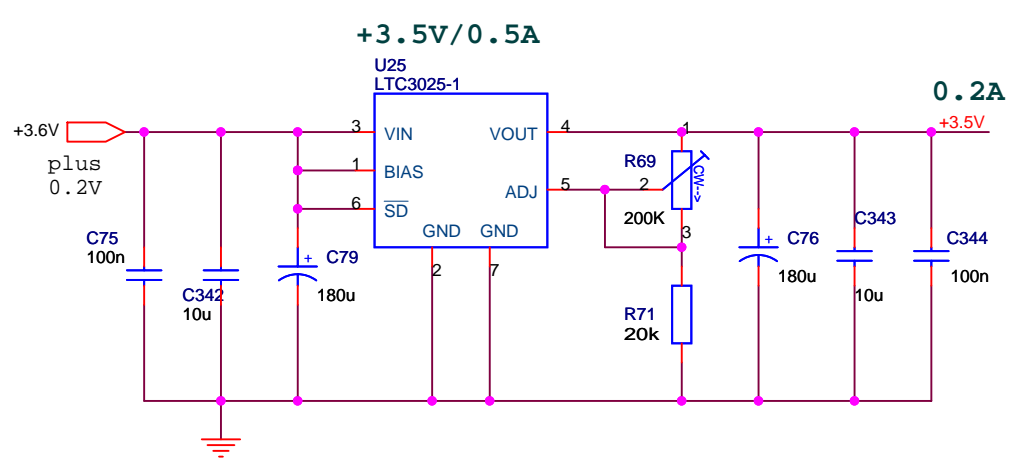


POW5

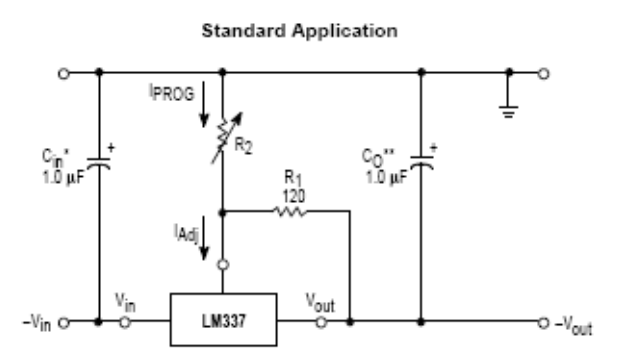
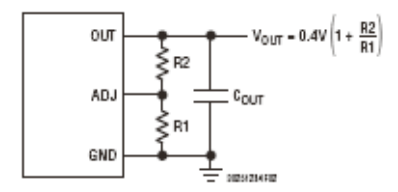


Since OEP uses LTC3025 for +1V2, +1V and +3V3, Here use same LT3025 for all

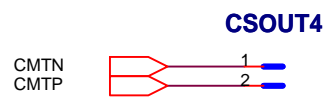
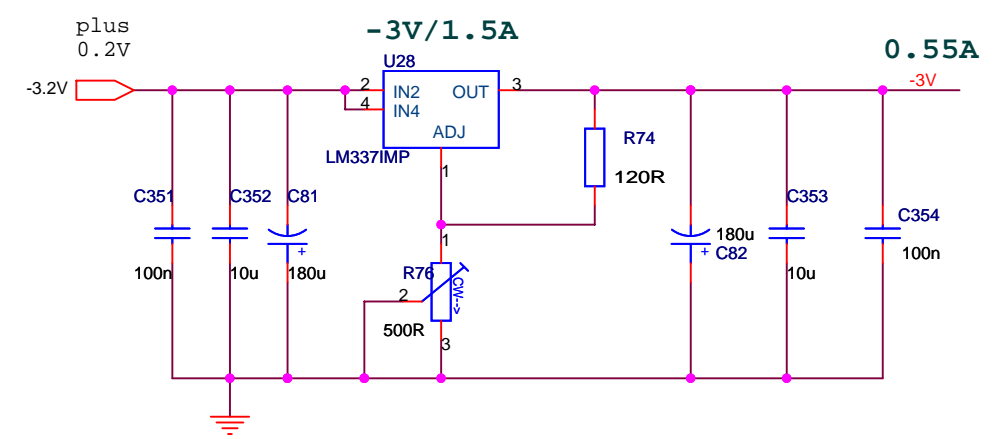
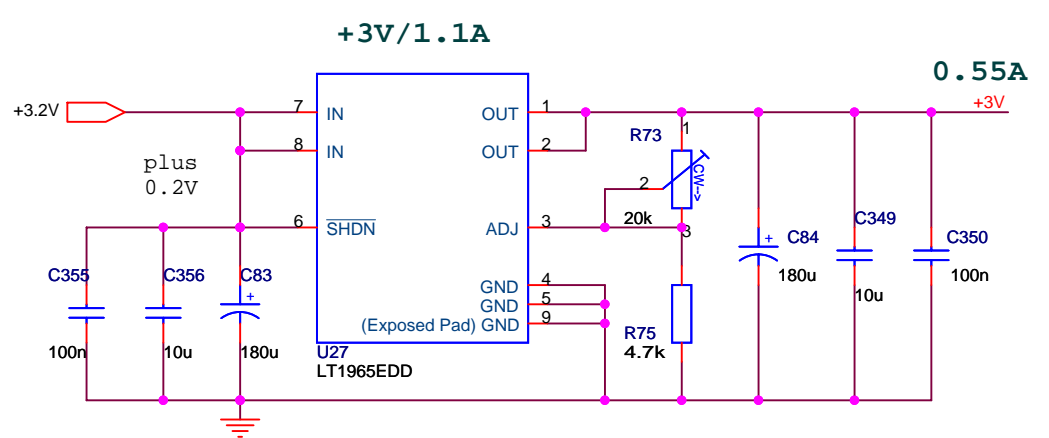
The PW inputs should be higher than the marked inputs about 0.2V



LTC3025-1



*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.
 **C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

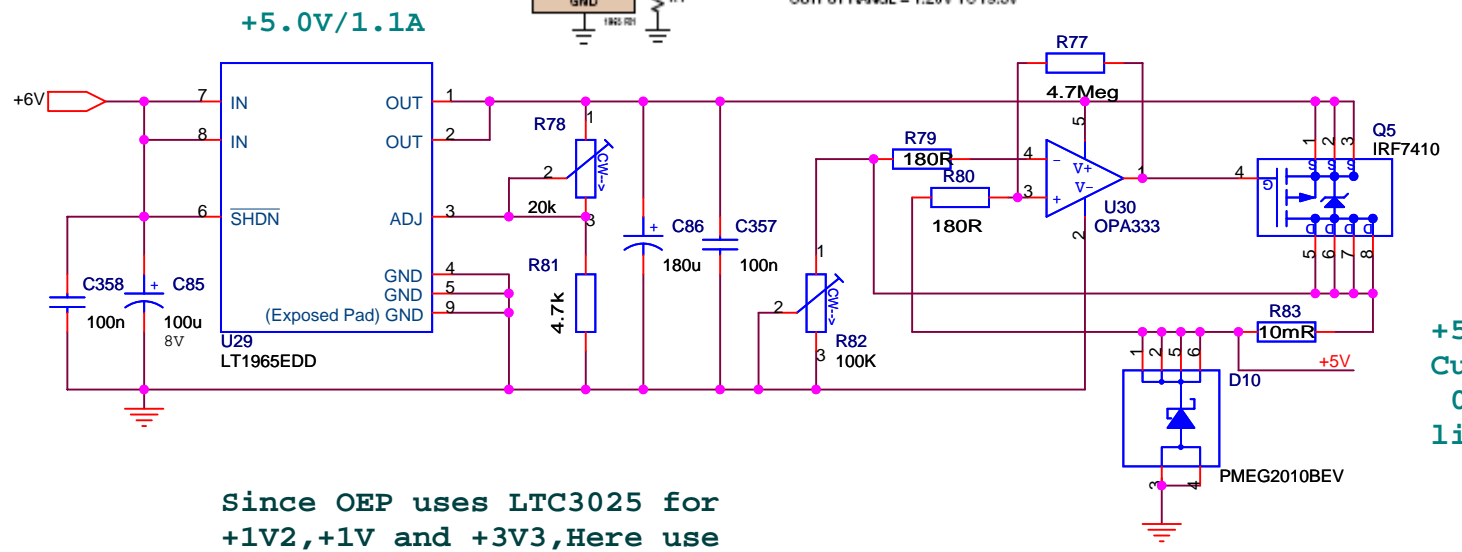
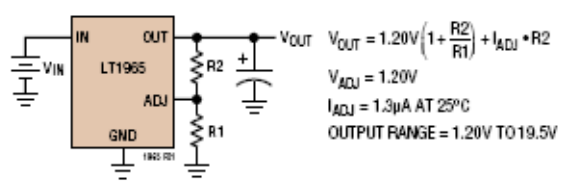


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<Title>

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 Modified: Monday, May 11, 2009
 Designer: <Designer>

Size: A3
 Page: 7 / 19
 Layouter: <Layouter>

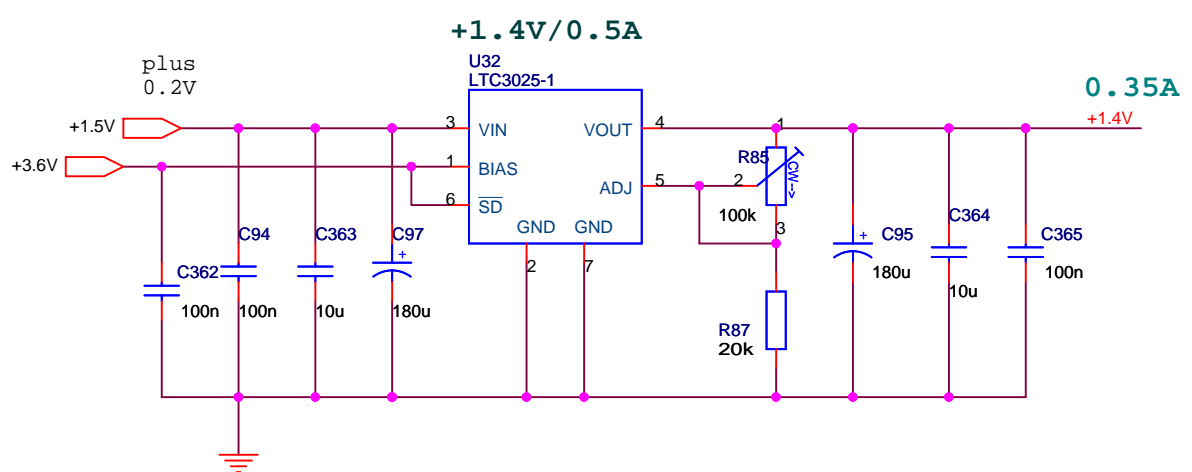
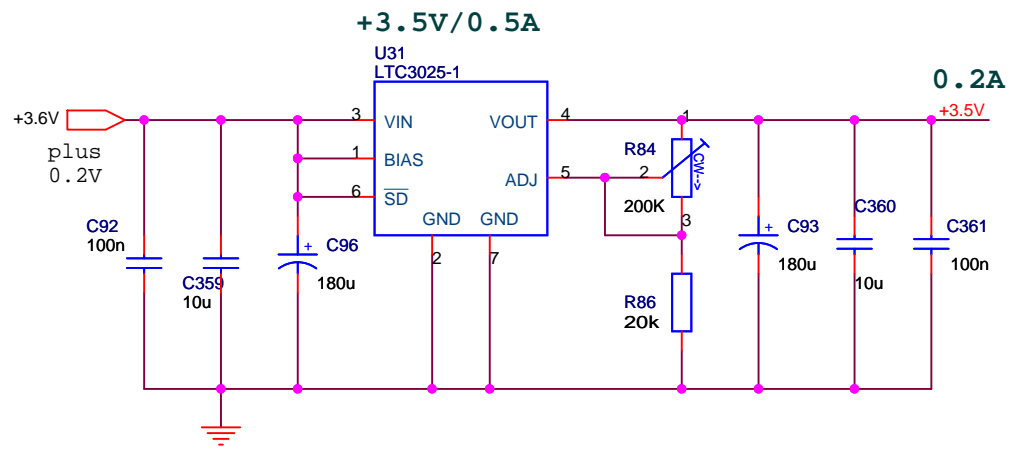
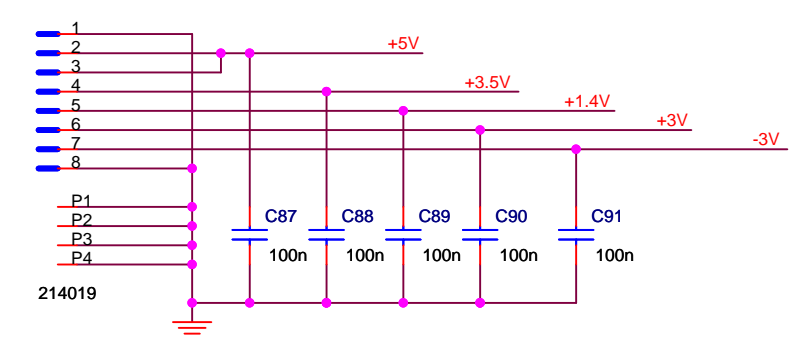


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

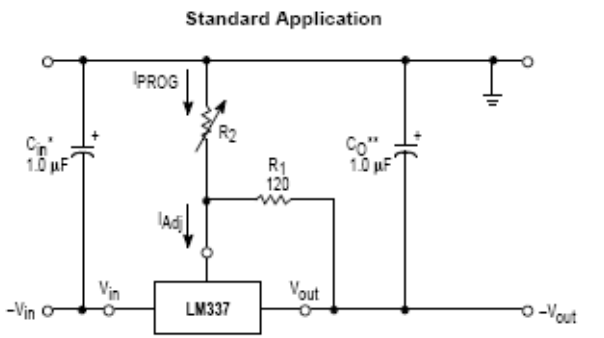
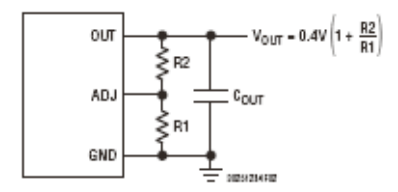
**+5V
Current
0.95A
limiter**

The PW inputs should be higher than the marked inputs about 0.2V

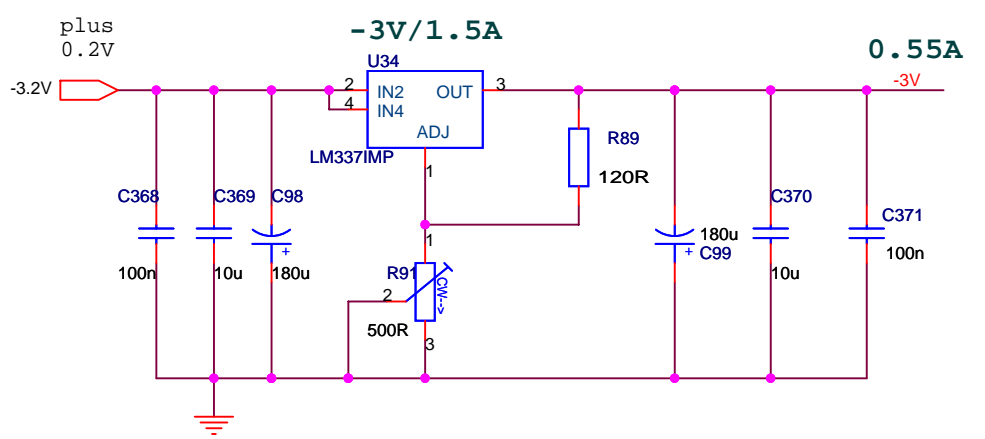
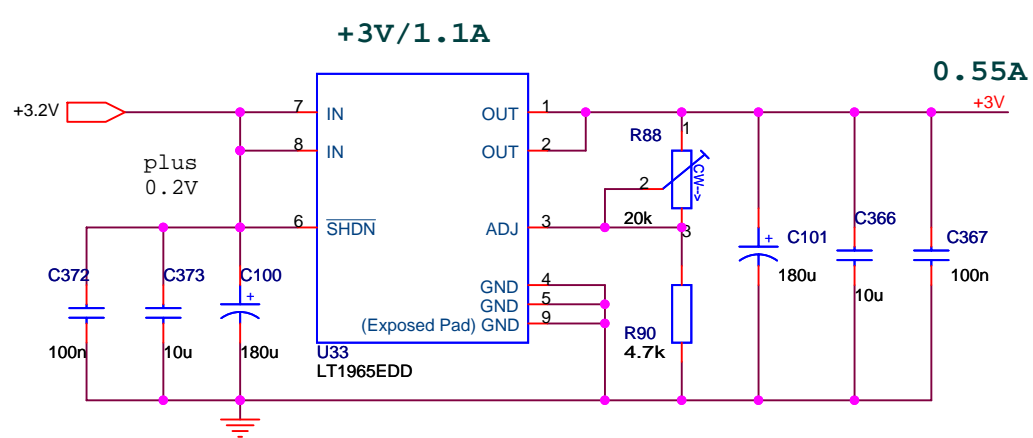
POW6



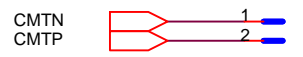
LTC3025-1



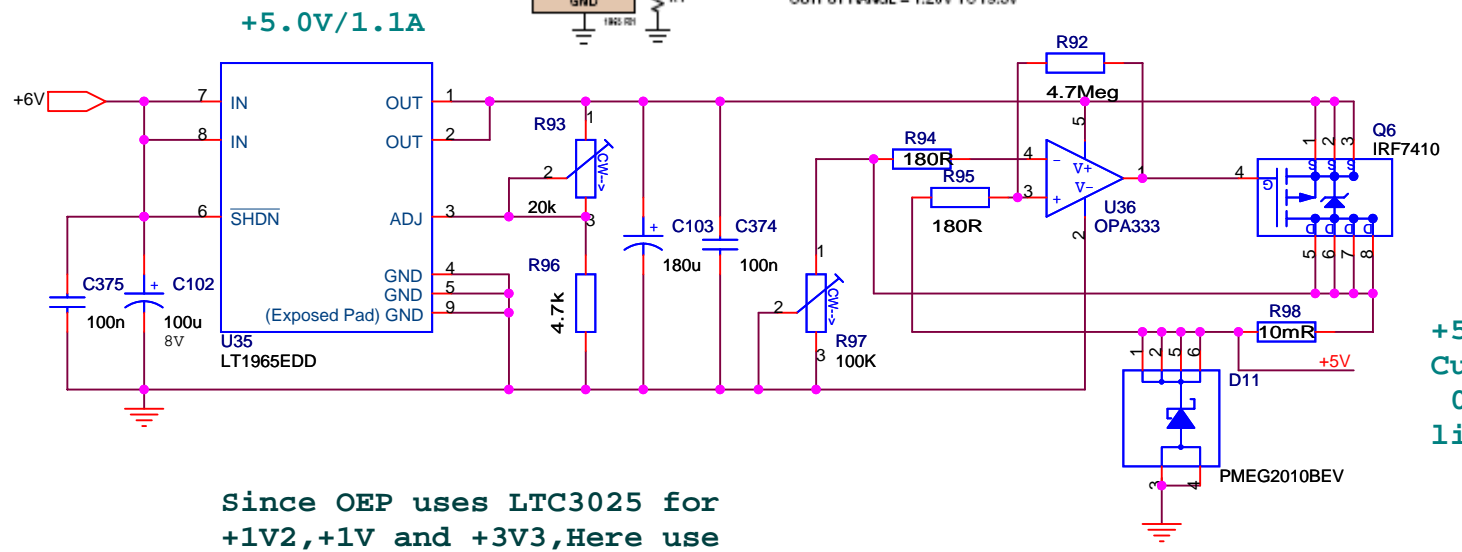
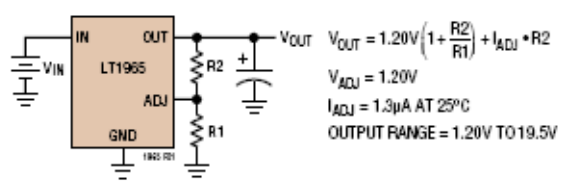
*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.
 **C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



CSOUT5



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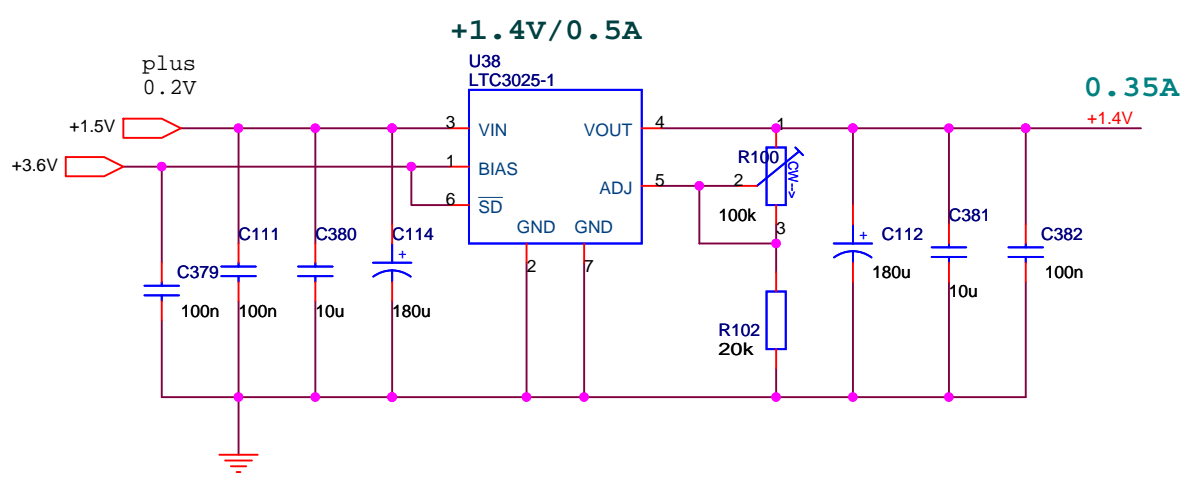
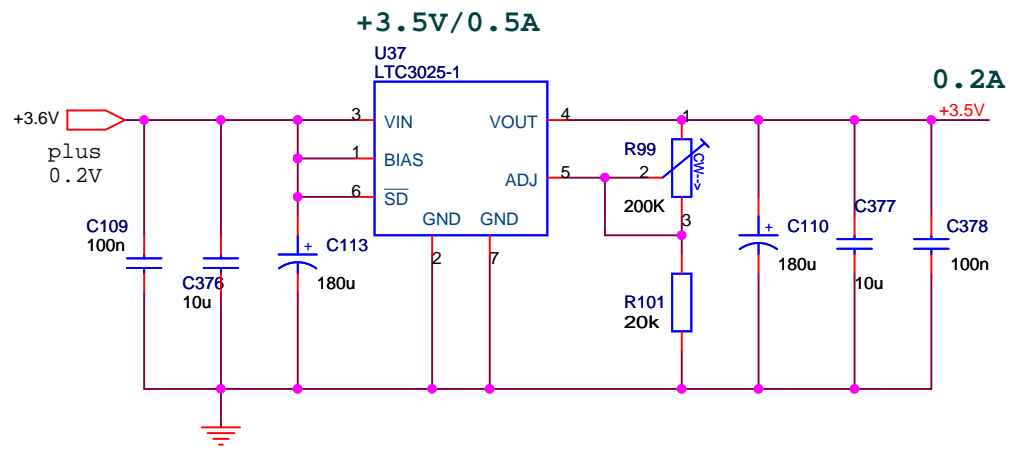
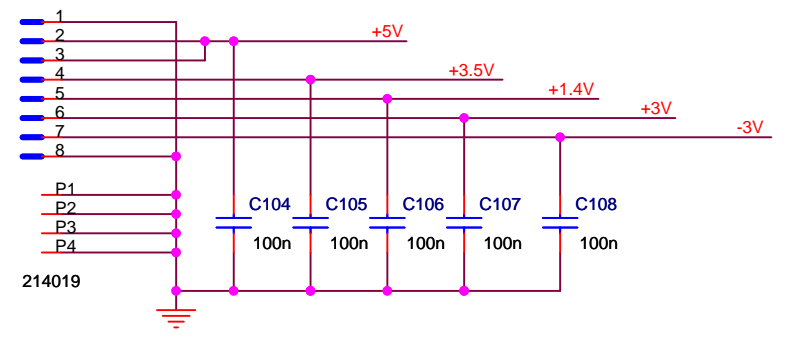


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

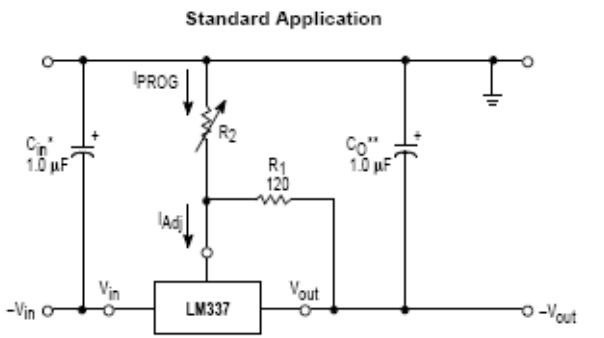
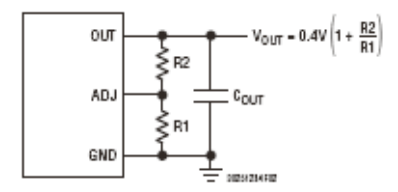
**+5V
Current
0.95A
limiter**

The PW inputs should be higher than the marked inputs about 0.2V

POW7

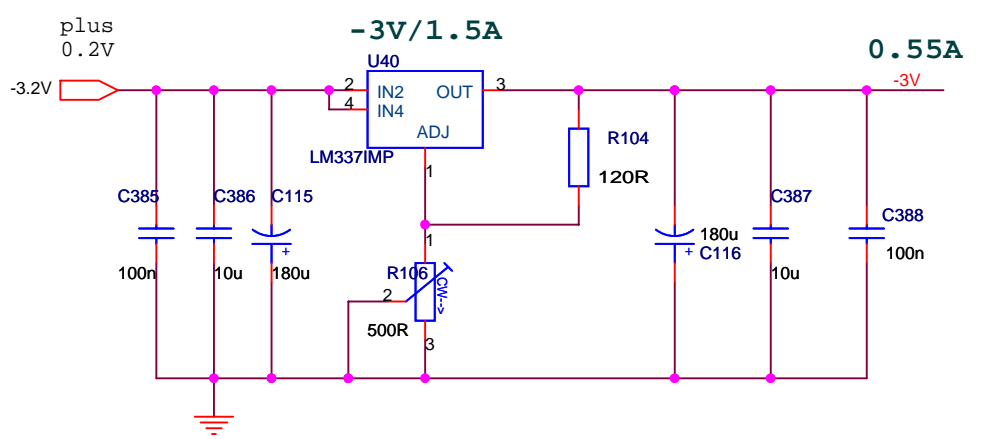
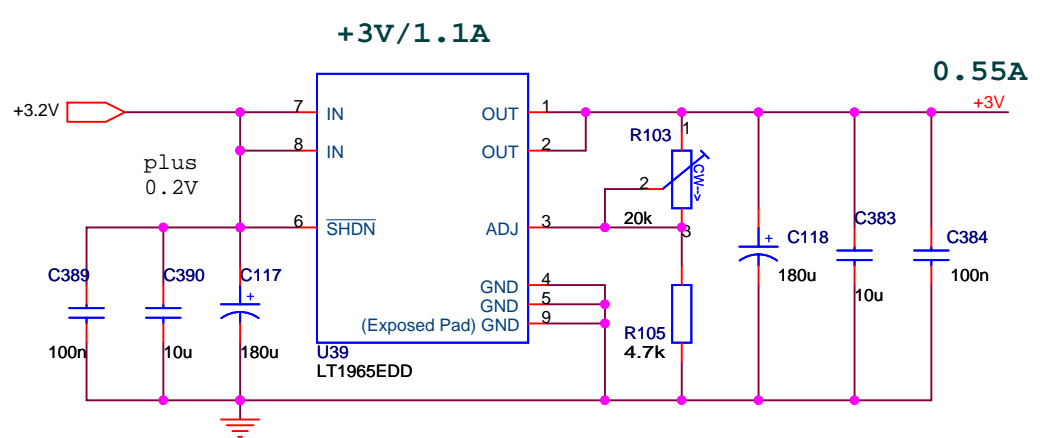


LTC3025-1

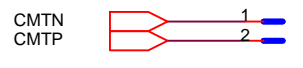


*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

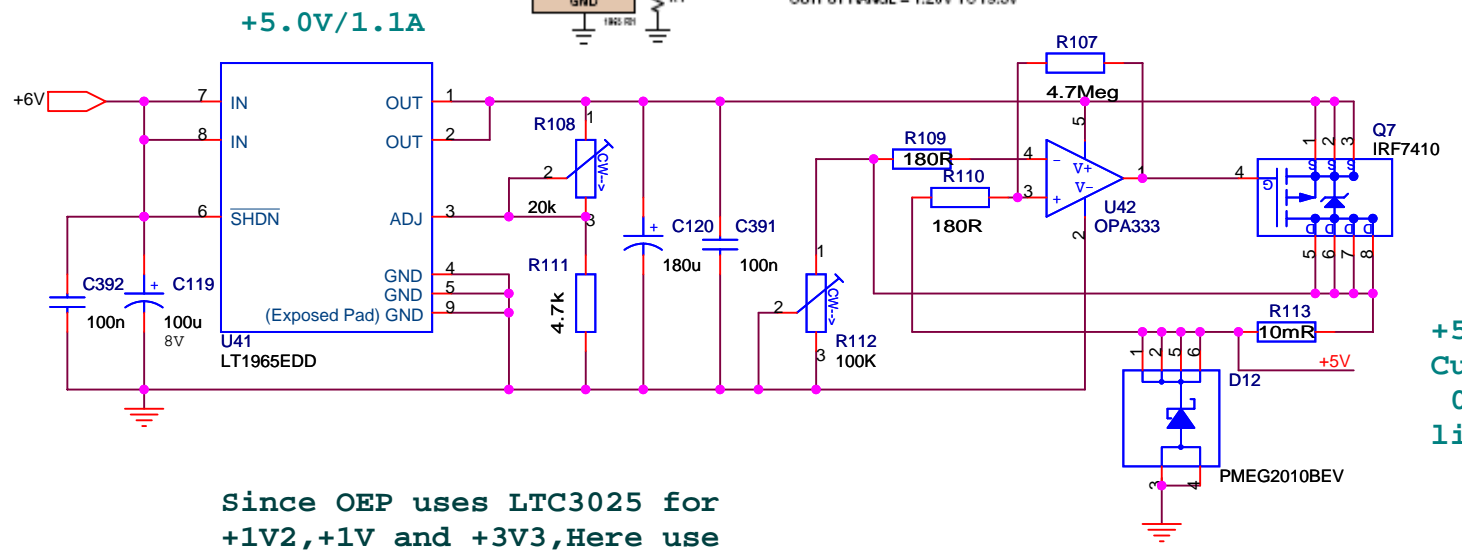
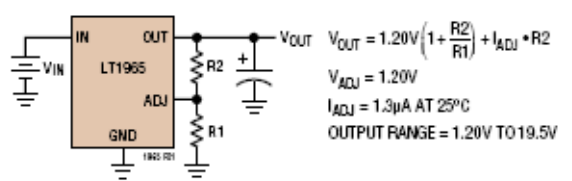
**C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



CSOUT6



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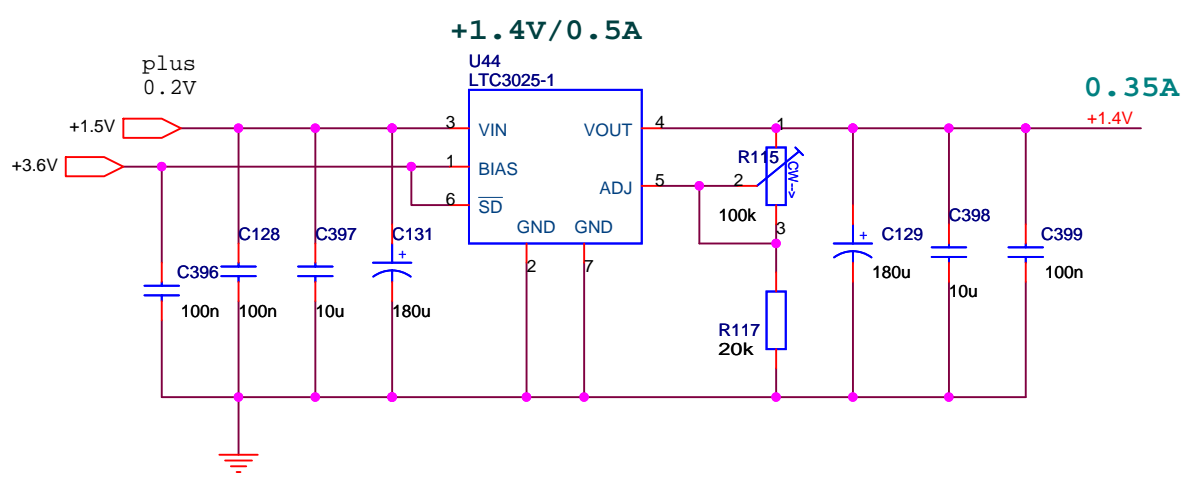
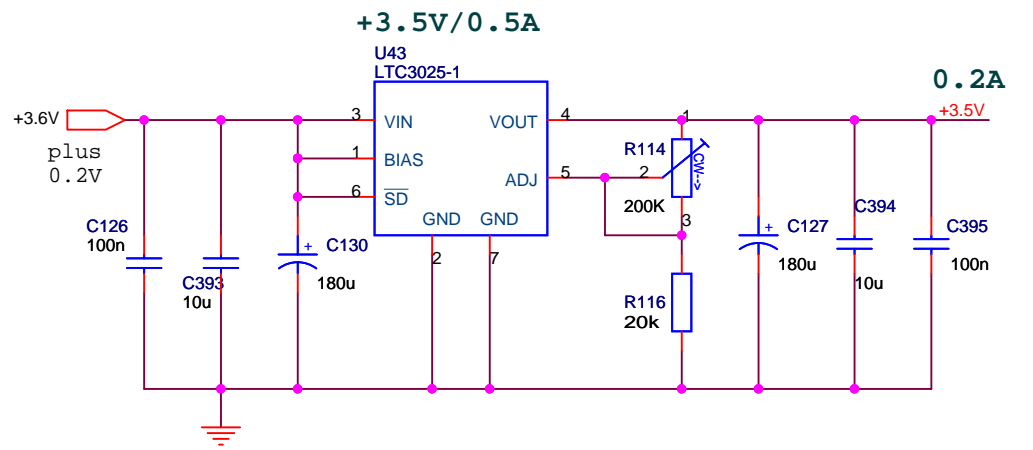
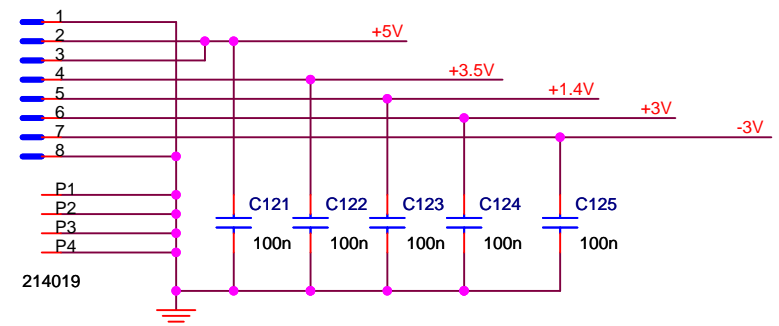


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

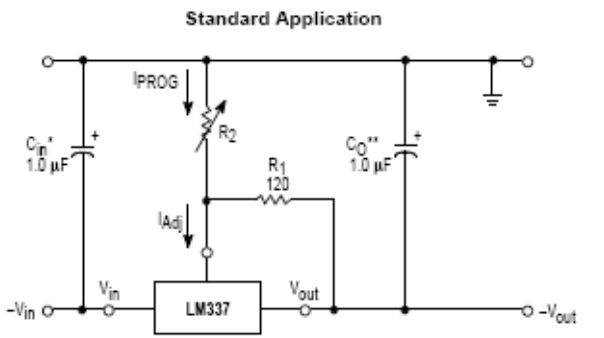
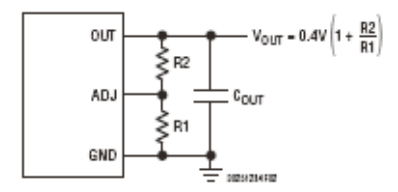
+5V Current limiter 0.95A

The PW inputs should be higher than the marked inputs about 0.2V

POW8

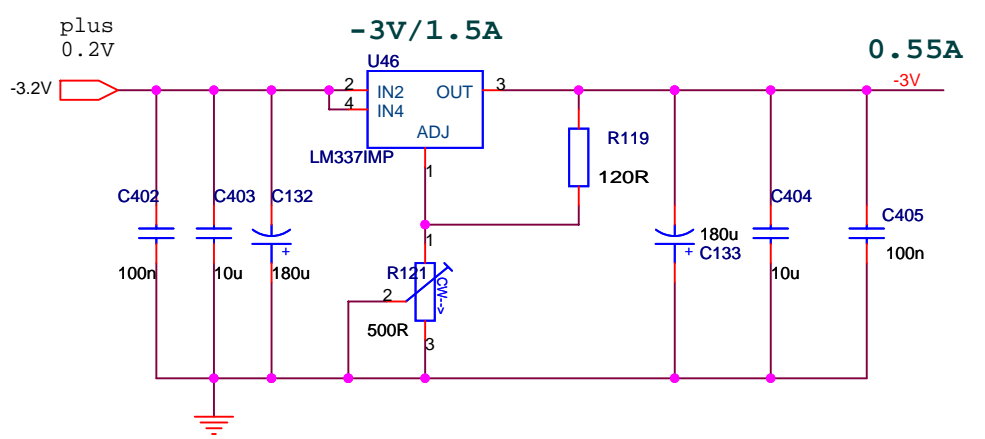
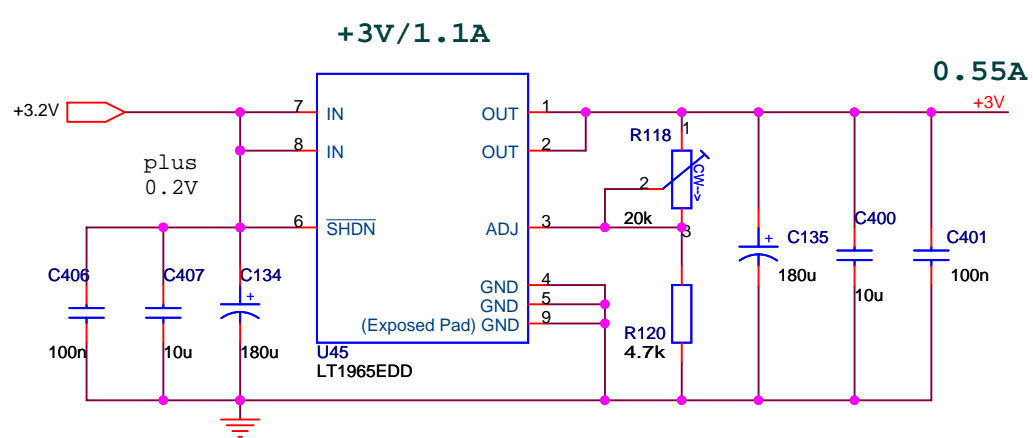


LTC3025-1



*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

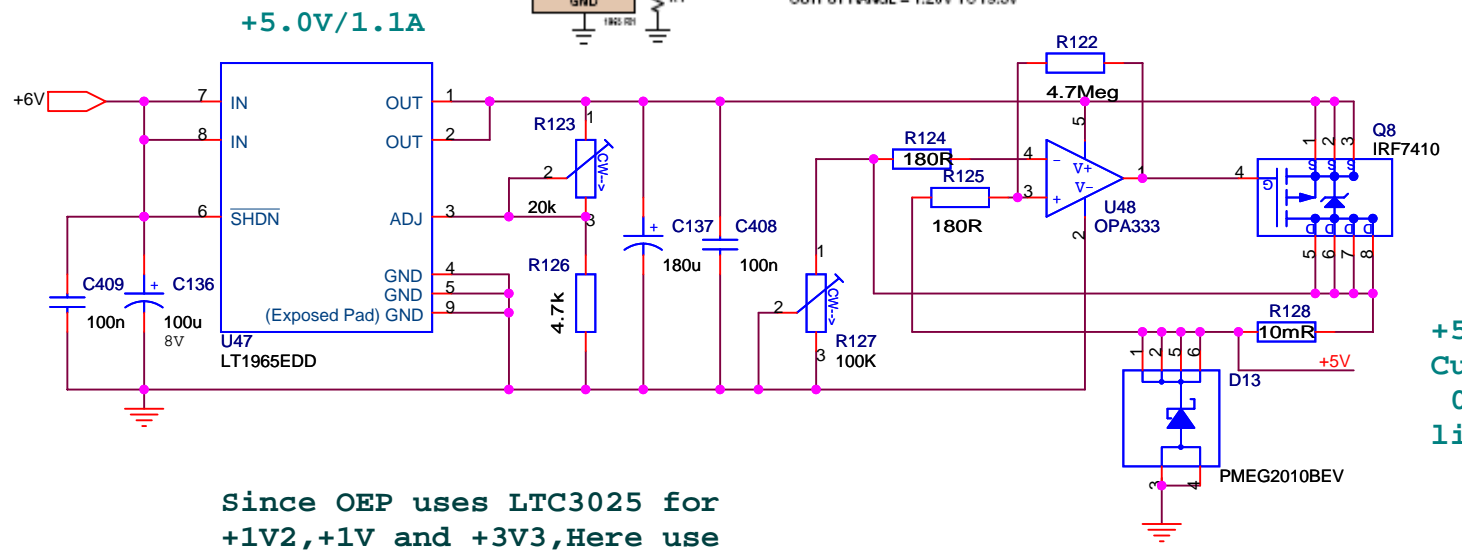
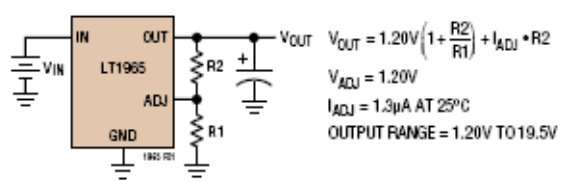
**C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



CSOUT7



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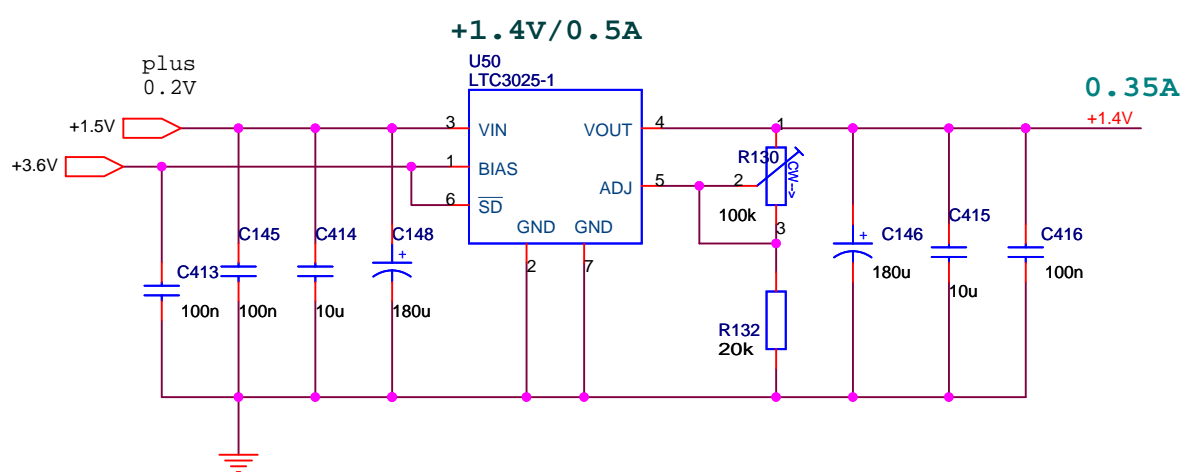
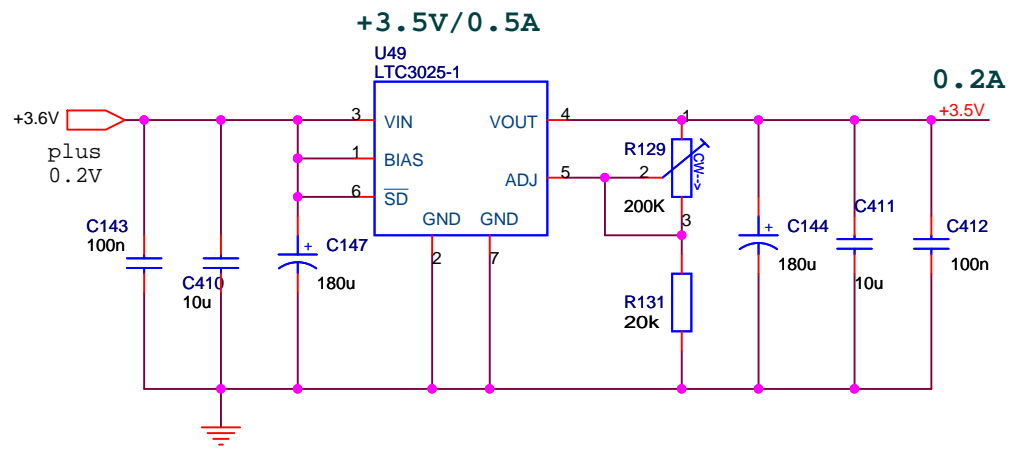
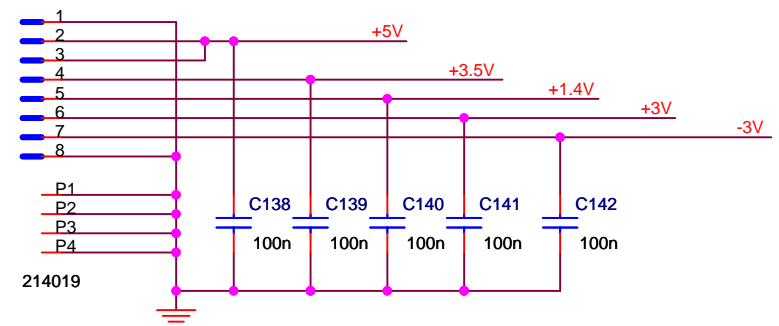


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

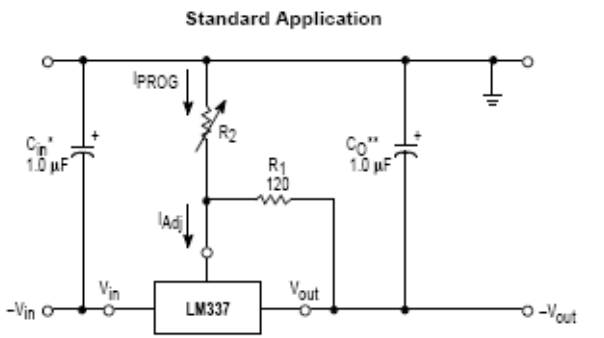
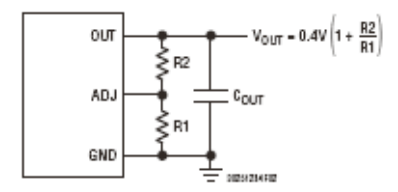
**+5V
Current
0.95A
limiter**

The PW inputs should be higher than the marked inputs about 0.2V

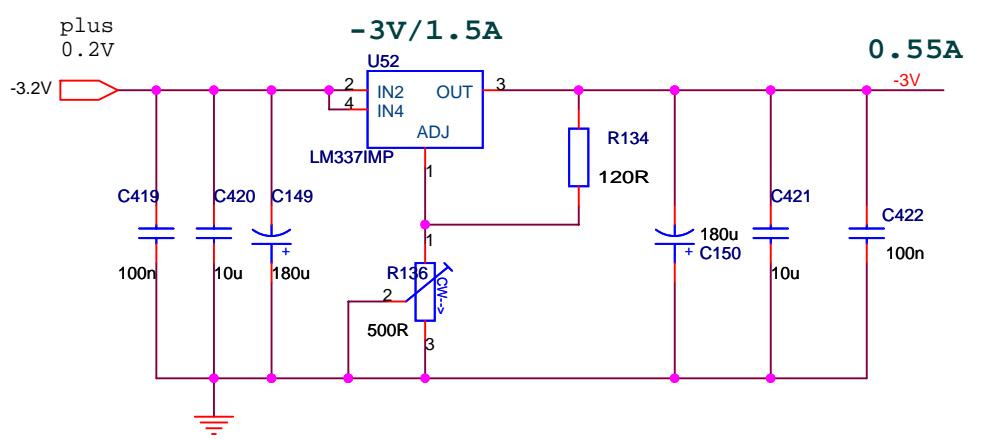
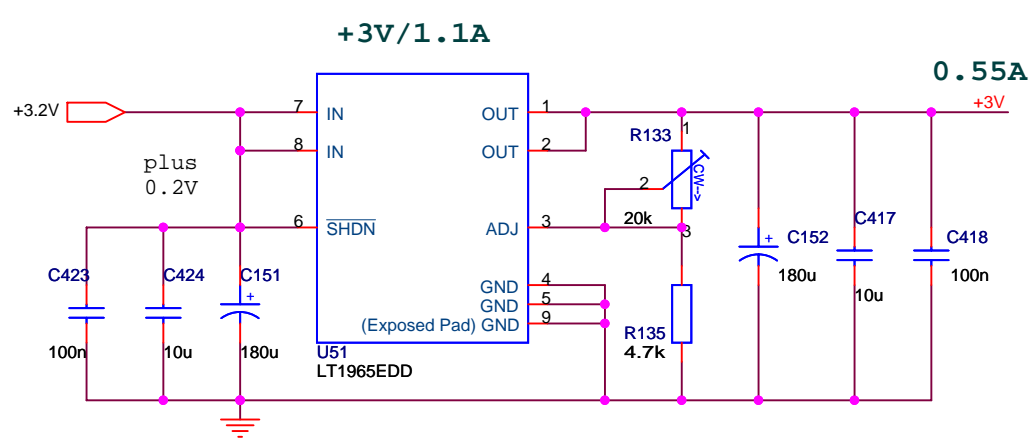
POW9



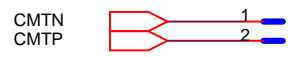
LTC3025-1



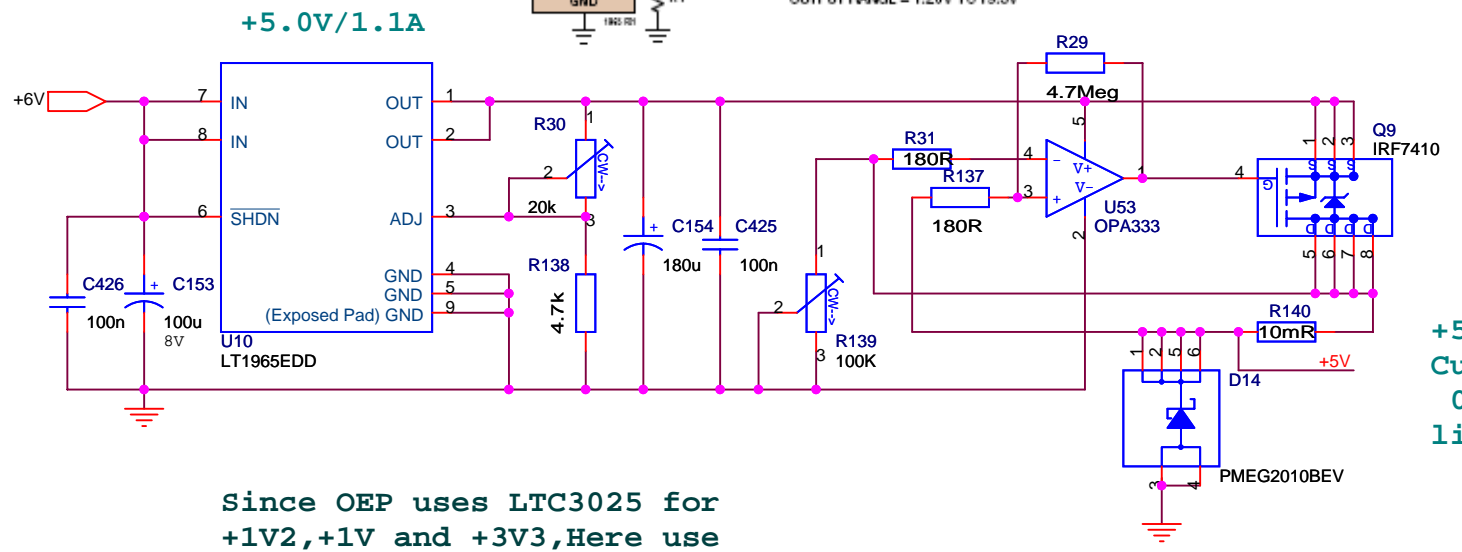
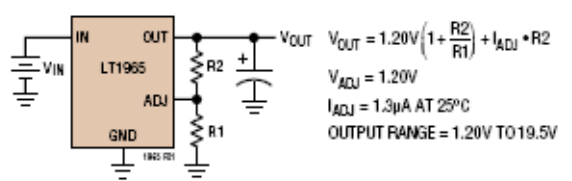
*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.
 **C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



CSOUT8



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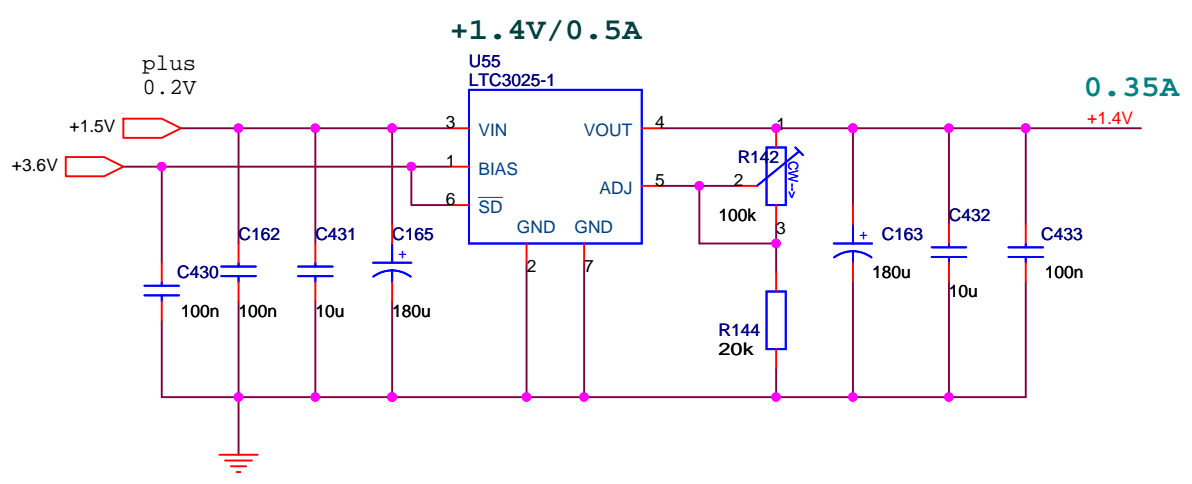
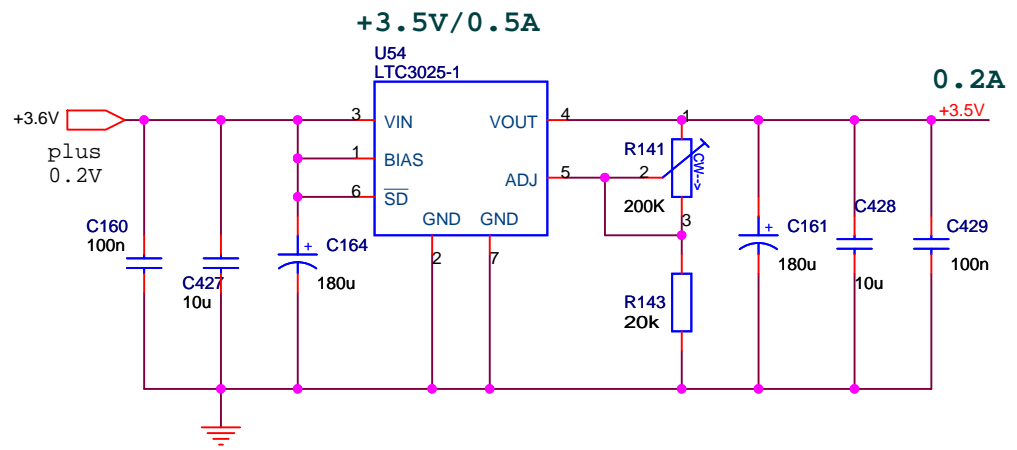
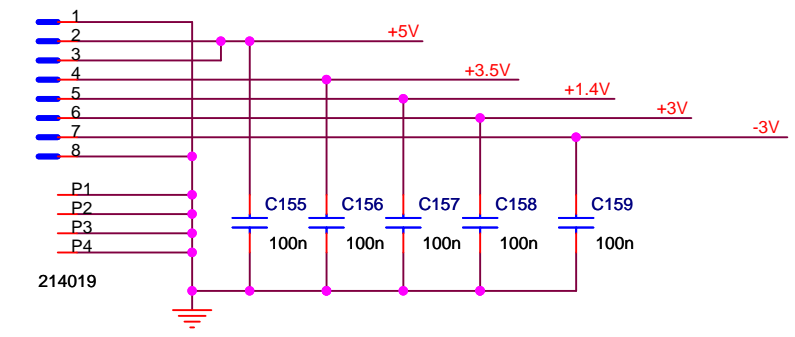


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

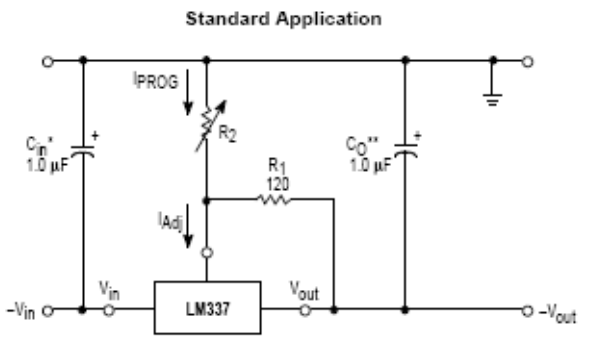
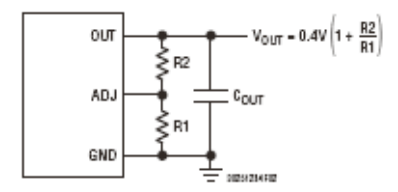
+5V Current limiter
0.95A

The PW inputs should be higher than the marked inputs about 0.2V

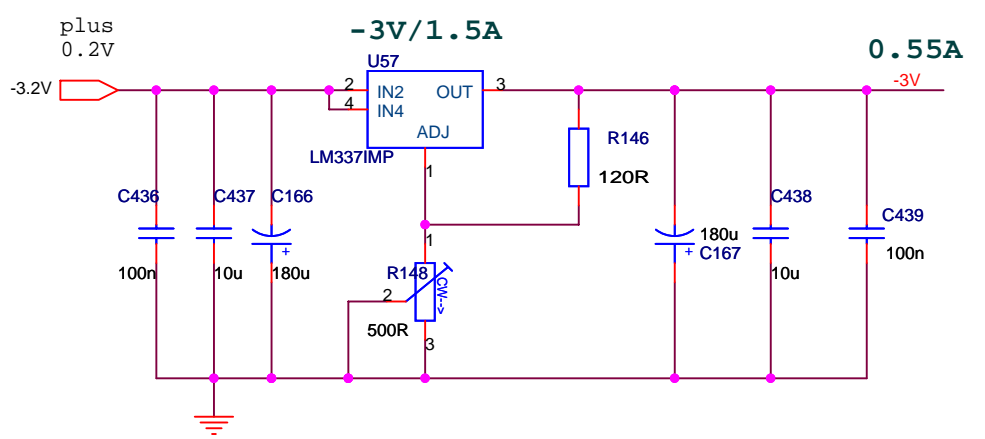
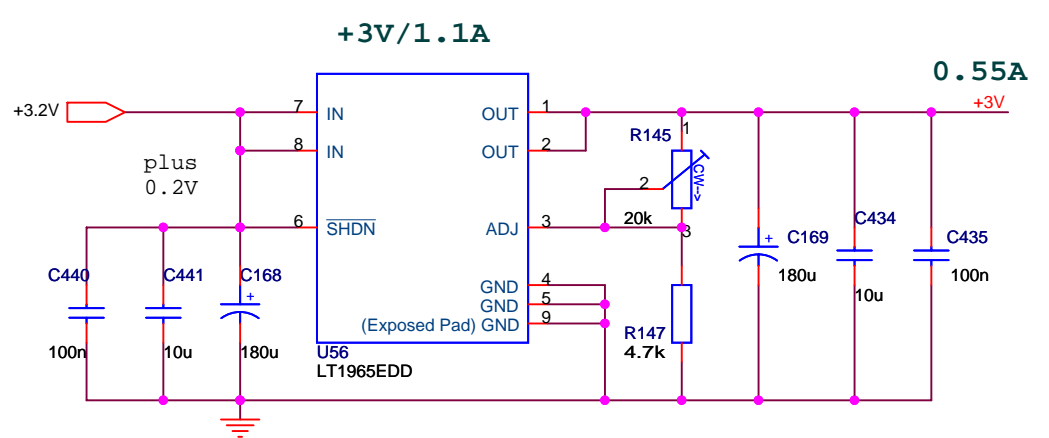
POW2



LTC3025-1



*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.
 **C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



CSOUT9

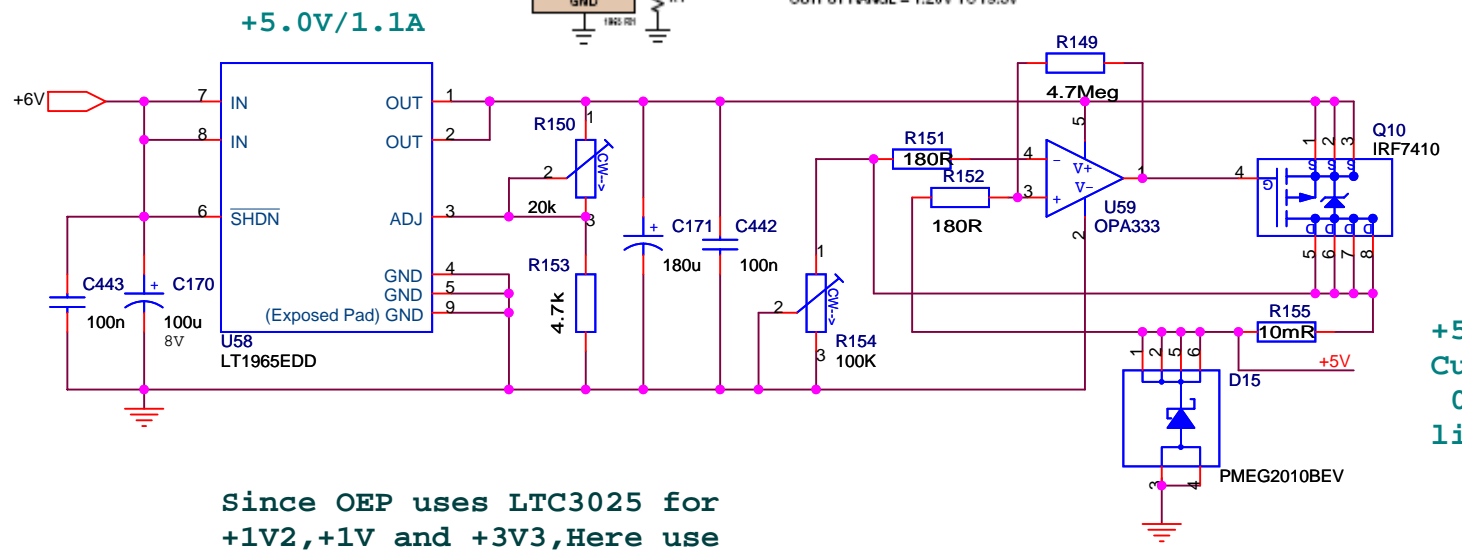
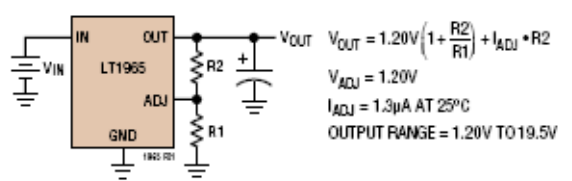


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<Title>

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 Page: 12/ 19
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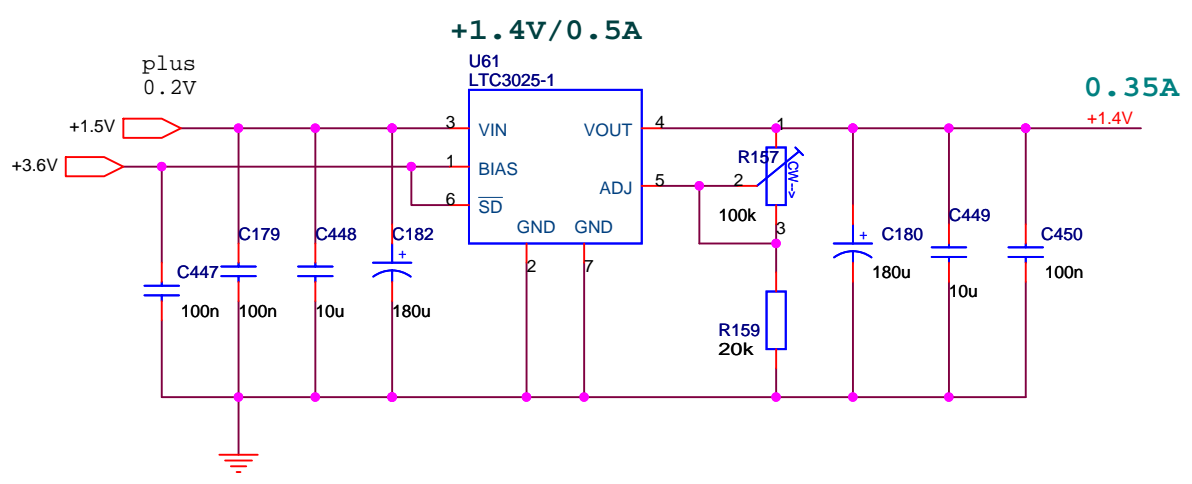
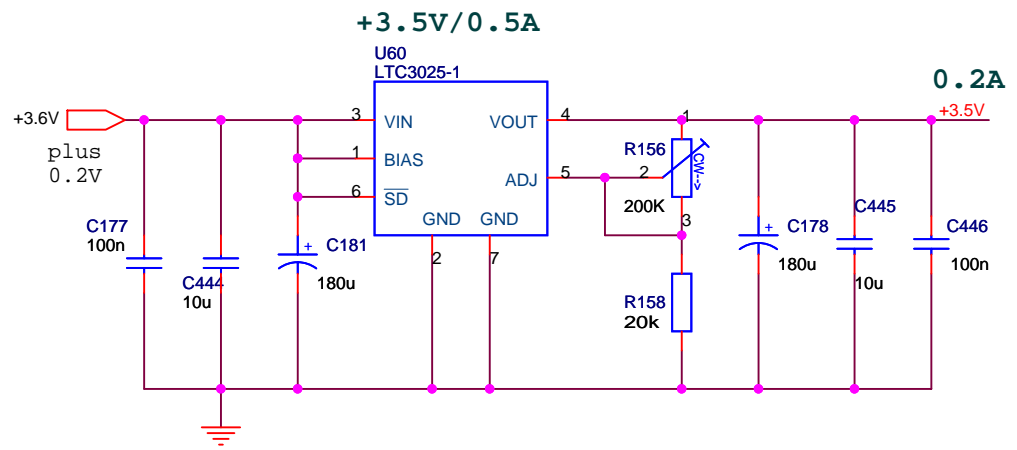
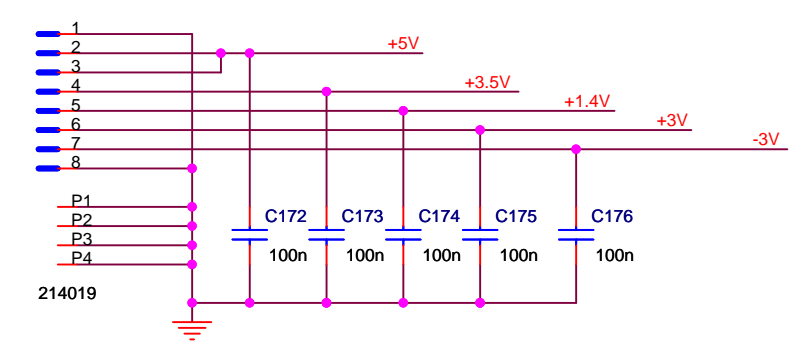


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

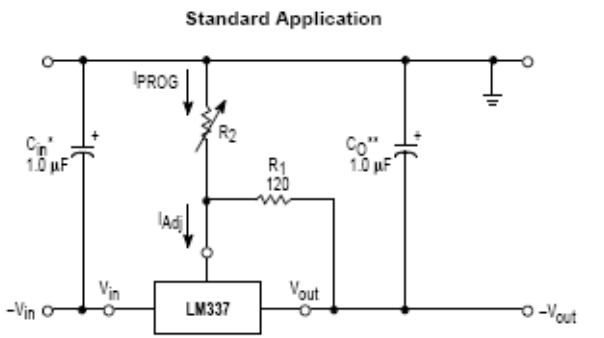
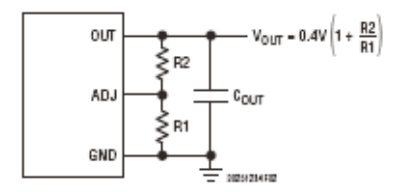
**+5V
Current
0.95A
limiter**

The PW inputs should be higher than the marked inputs about 0.2V

POW10

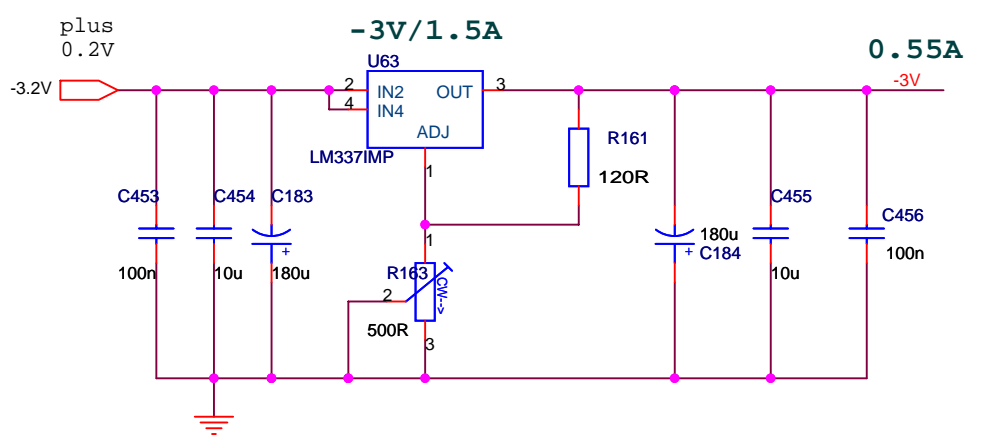
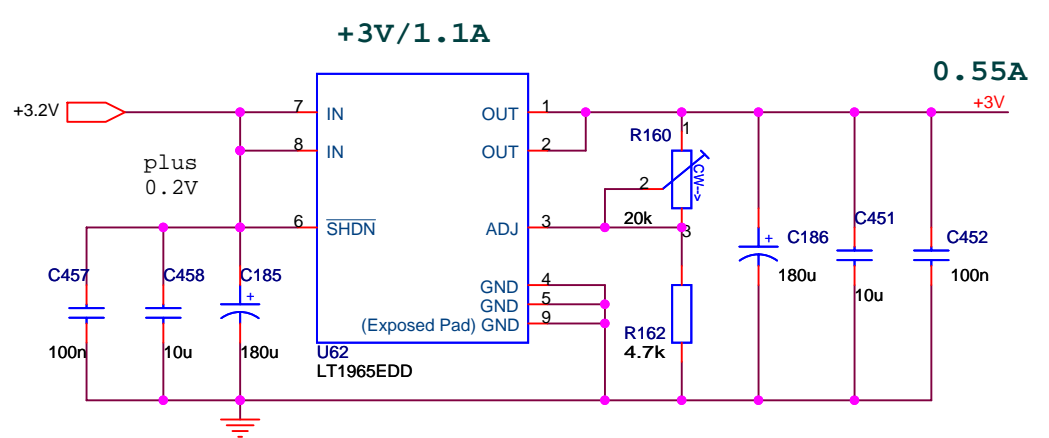


LTC3025-1



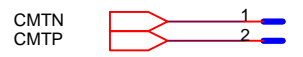
* C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

** C_{out} is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

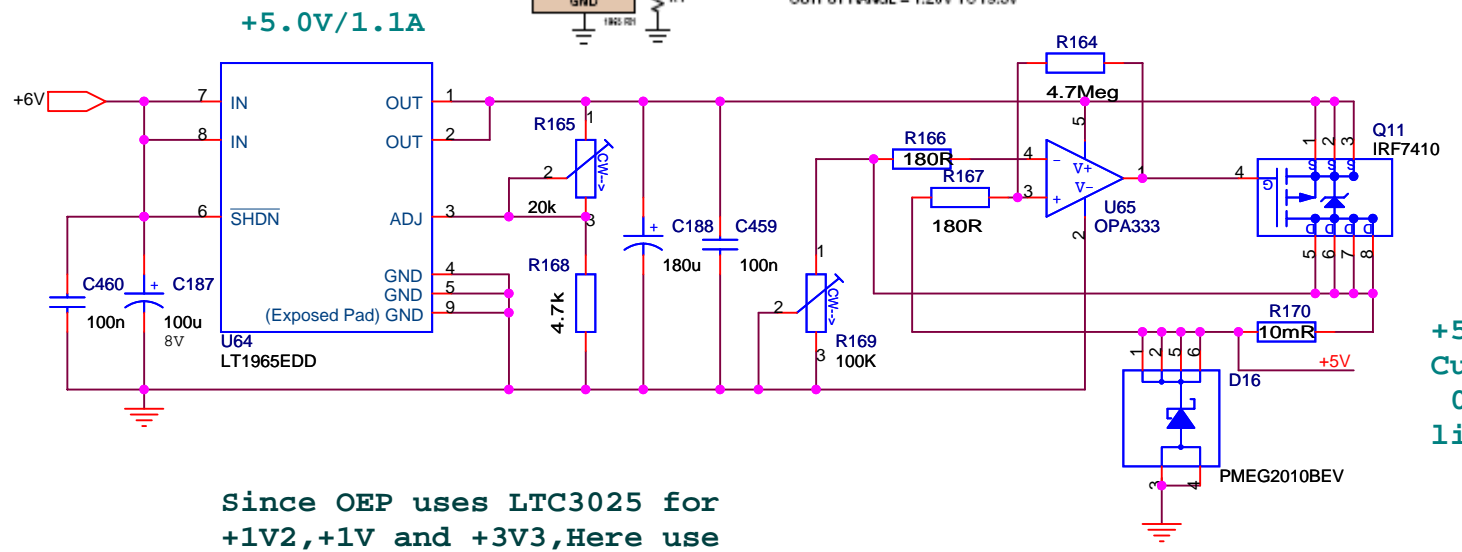
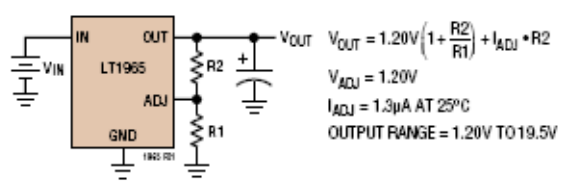


$V_{out} = -1.25 V \left(1 + \frac{R_2}{R_1}\right)$

CSOUT10



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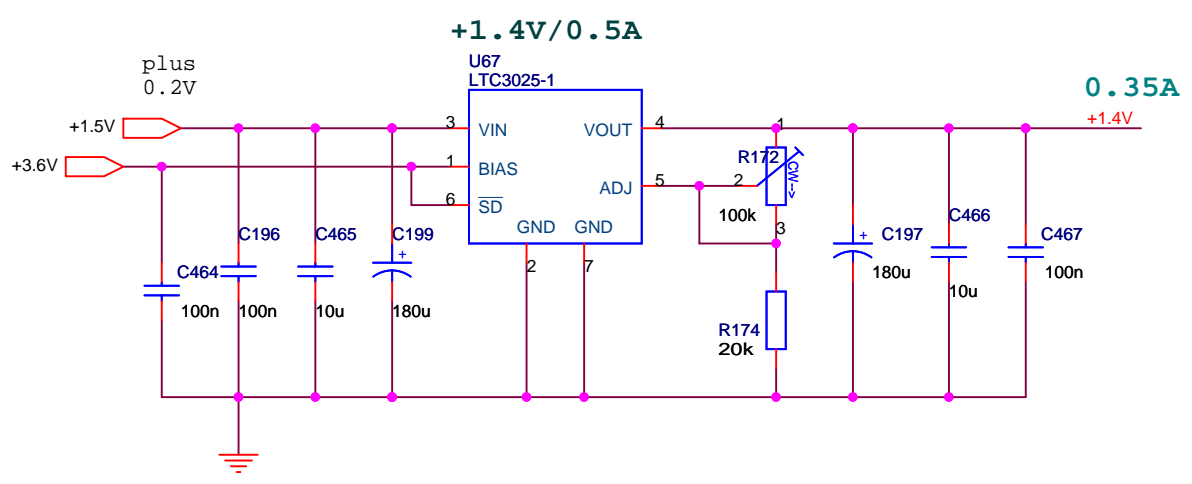
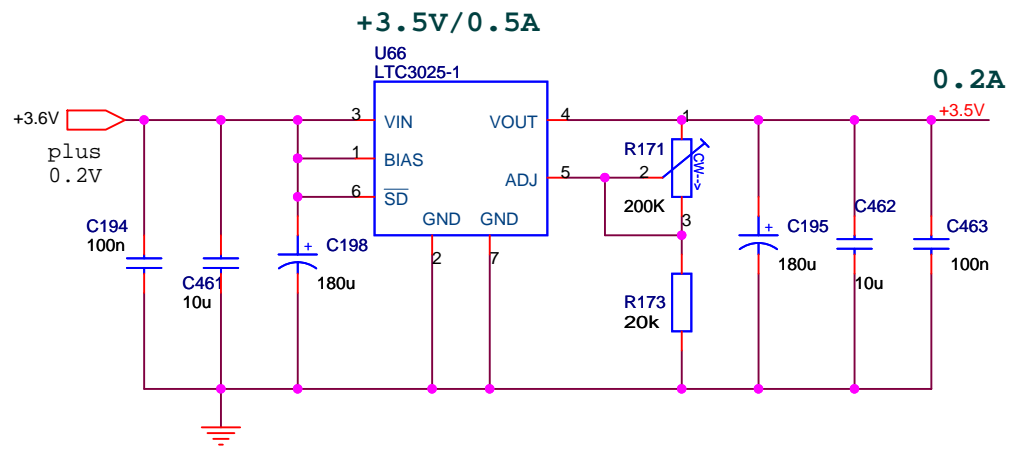
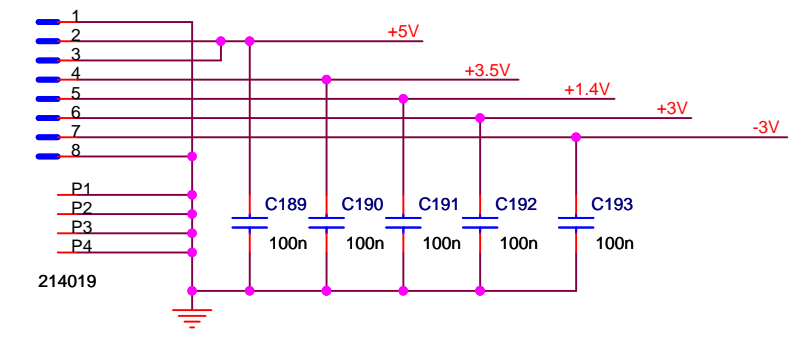


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

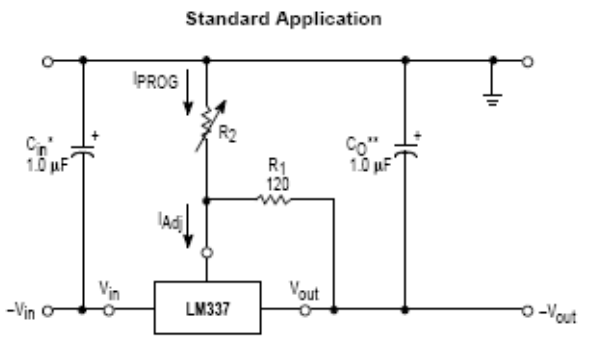
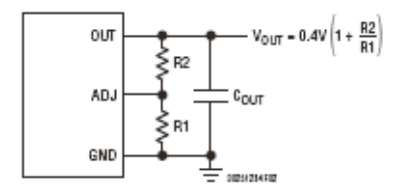
+5V
Current
0.95A
limiter

The PW inputs should be higher than the marked inputs about 0.2V

POW11

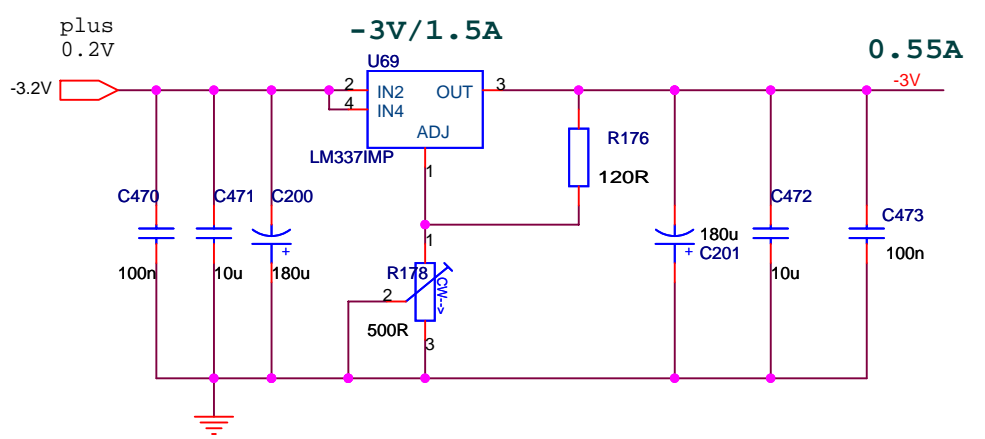
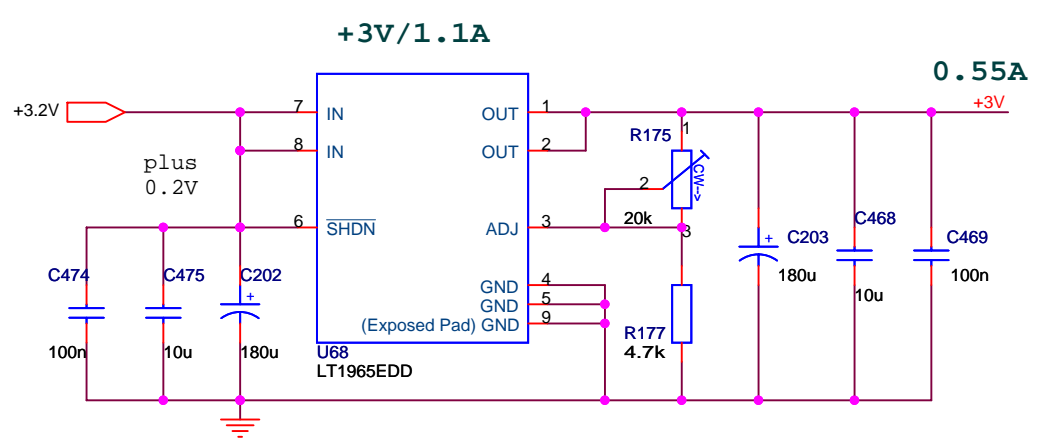


LTC3025-1



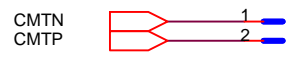
* C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

** C_{O} is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



$V_{out} = -1.25 V \left(1 + \frac{R_2}{R_1}\right)$

CSOUT11

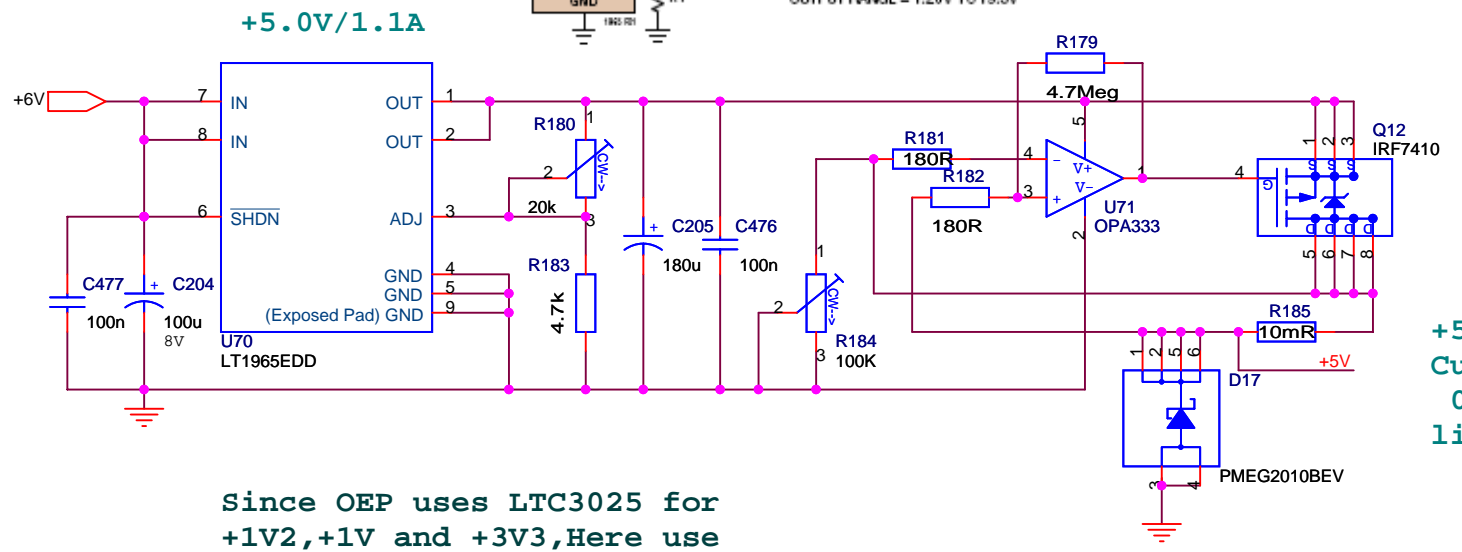
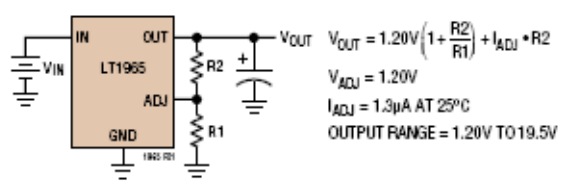


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 Designer: <Designer>

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 Page: 14/ 19
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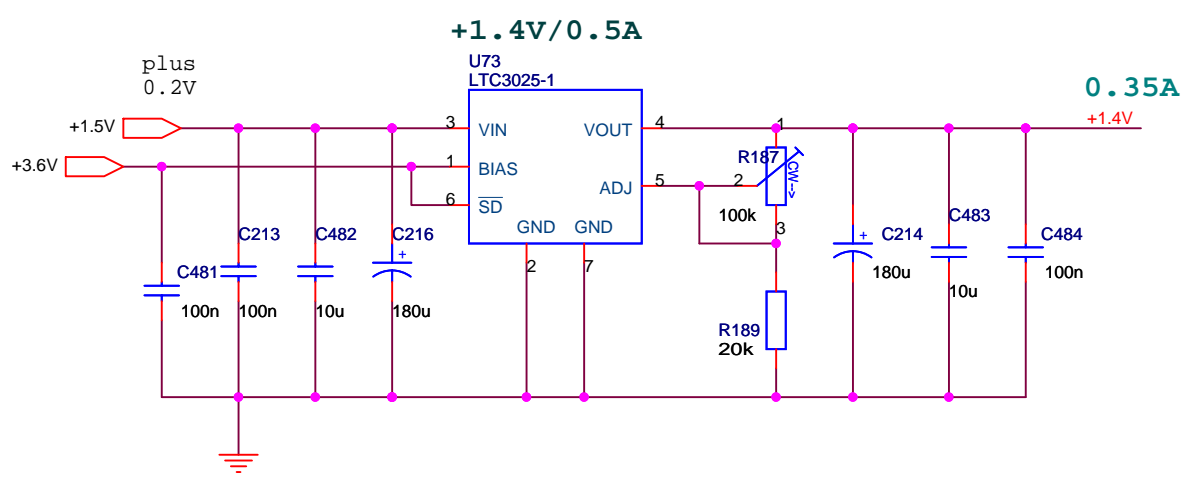
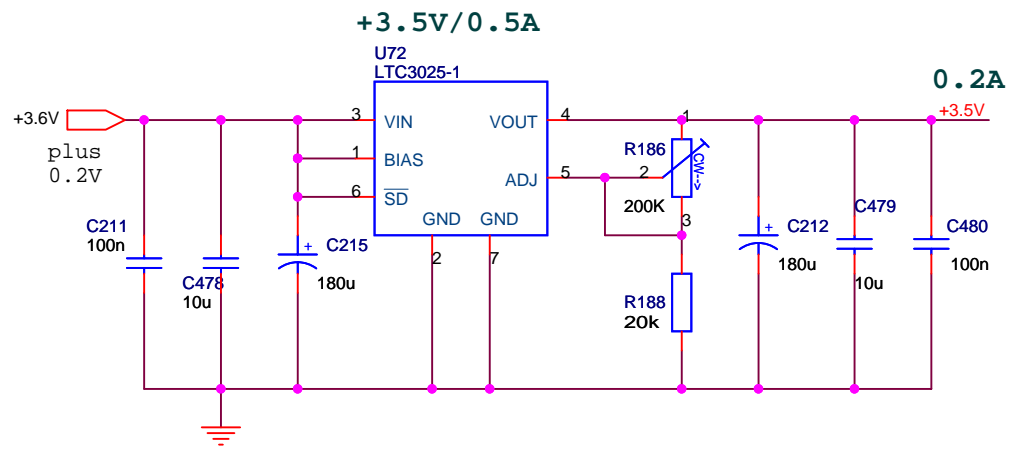
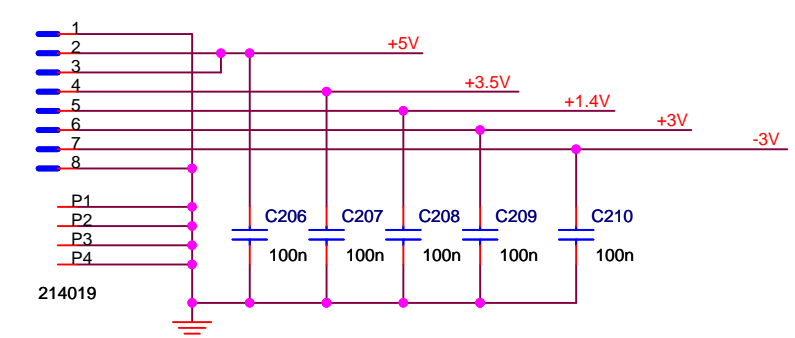


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

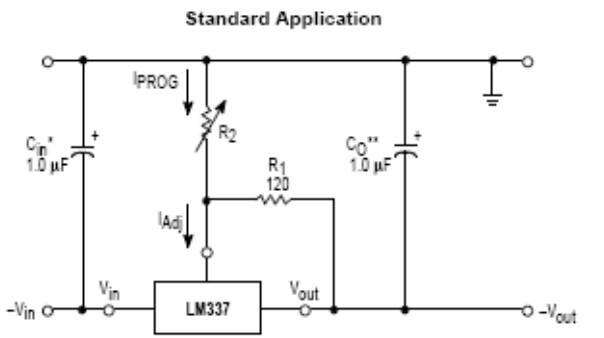
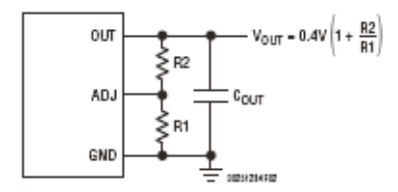
**+5V
Current
0.95A
limiter**

The PW inputs should be higher than the marked inputs about 0.2V

POW12

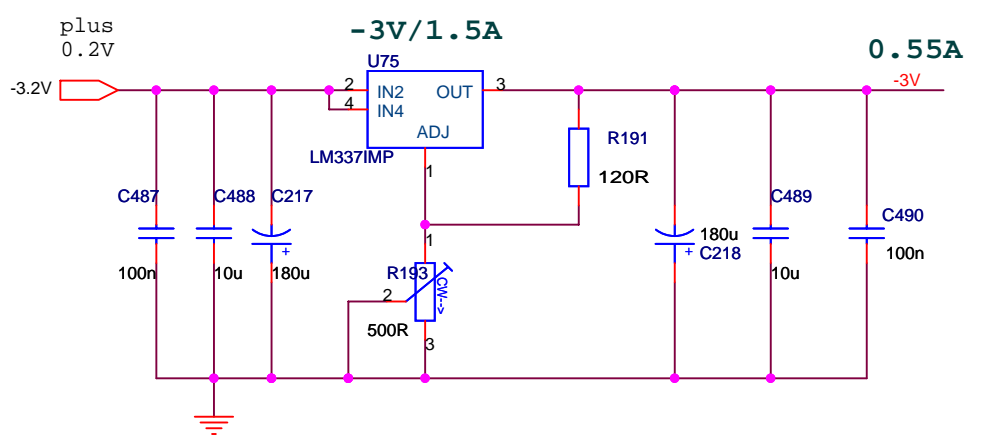
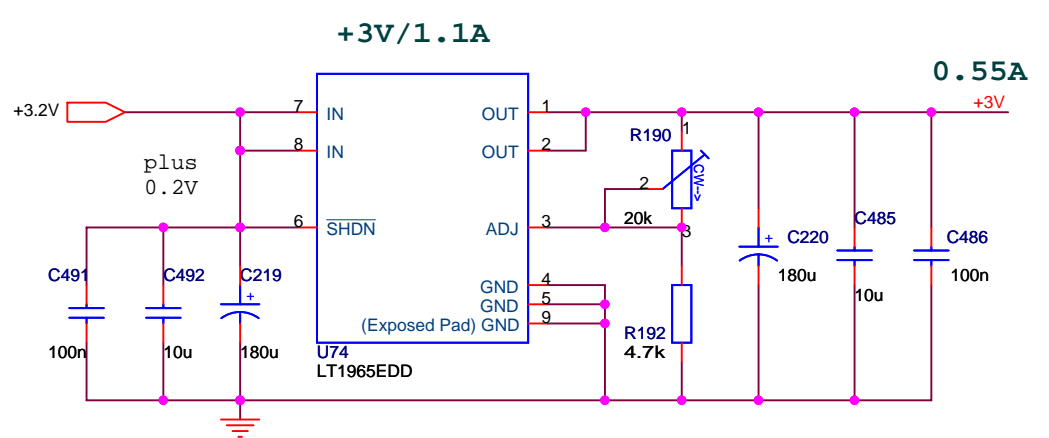


LTC3025-1

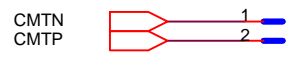


*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

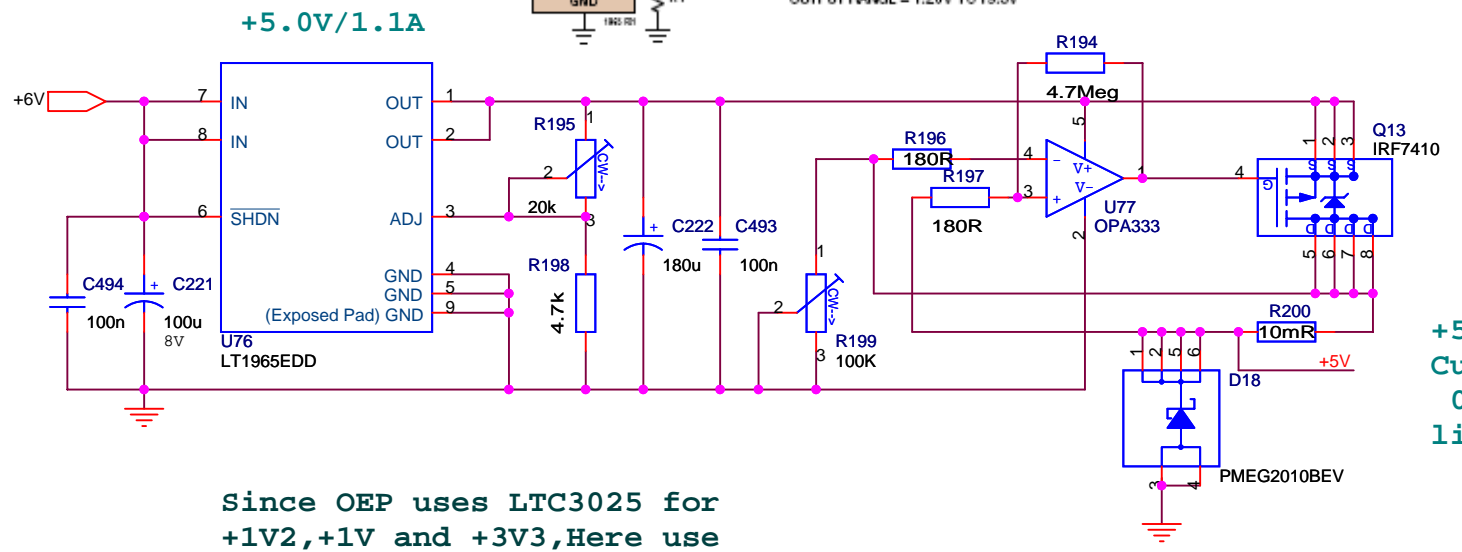
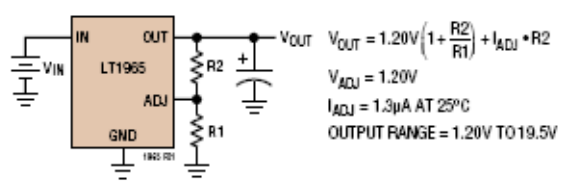
**C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



CSOUT12



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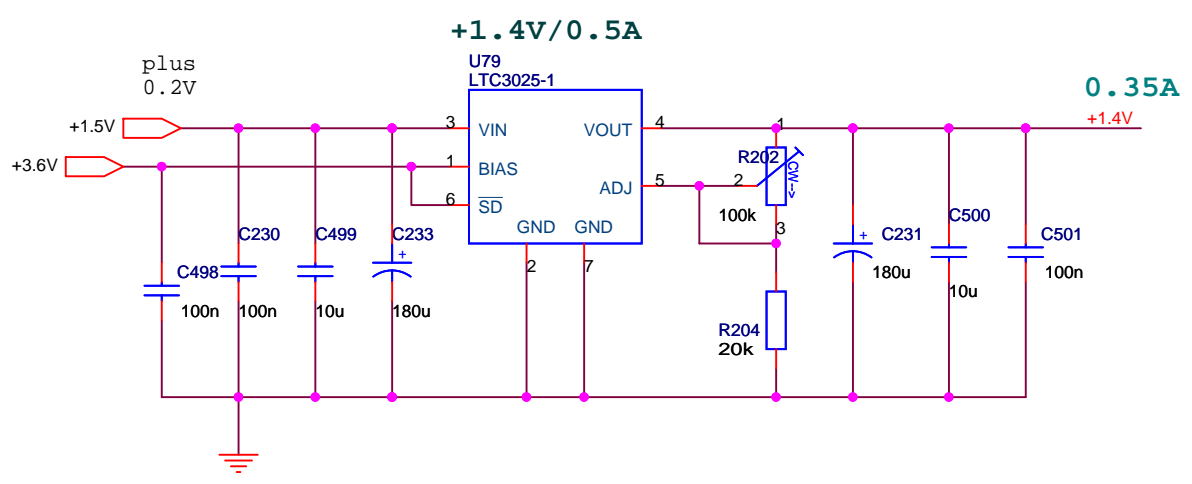
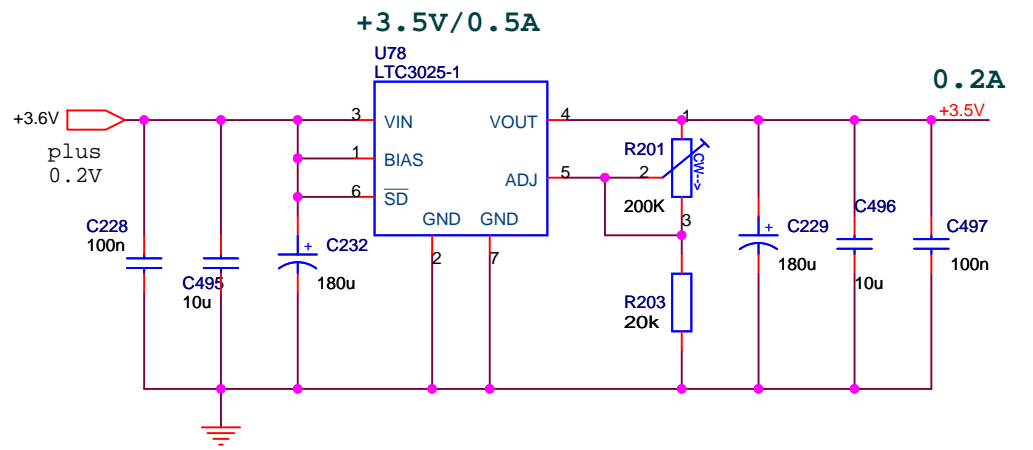
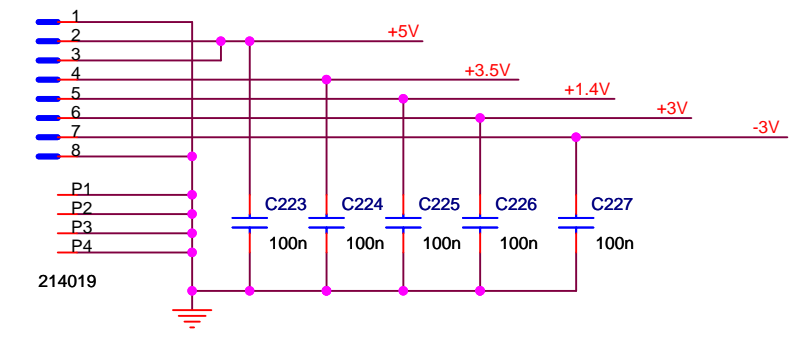


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

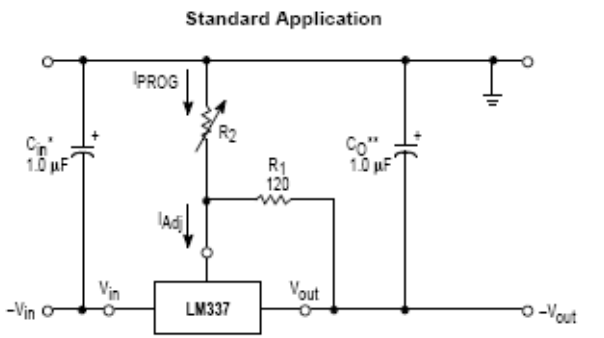
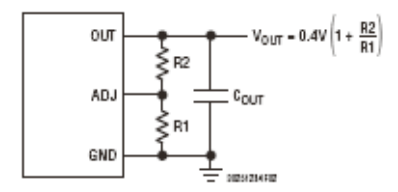
+5V Current limiter 0.95A

The PW inputs should be higher than the marked inputs about 0.2V

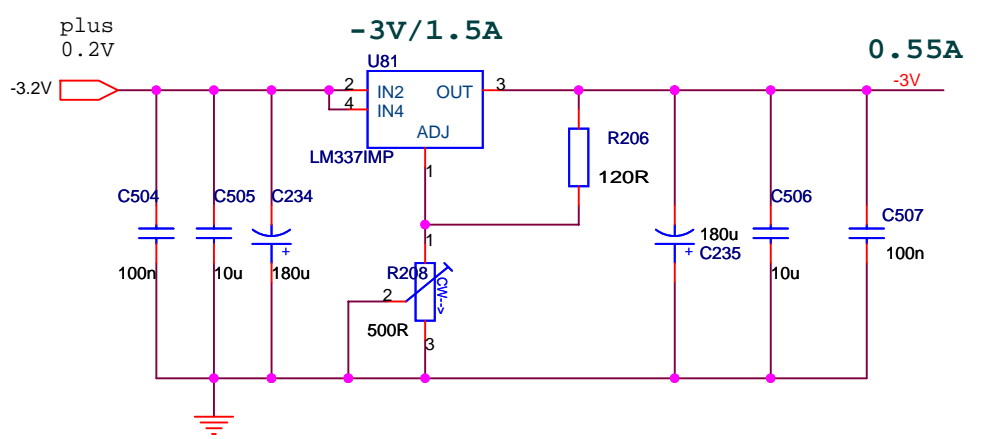
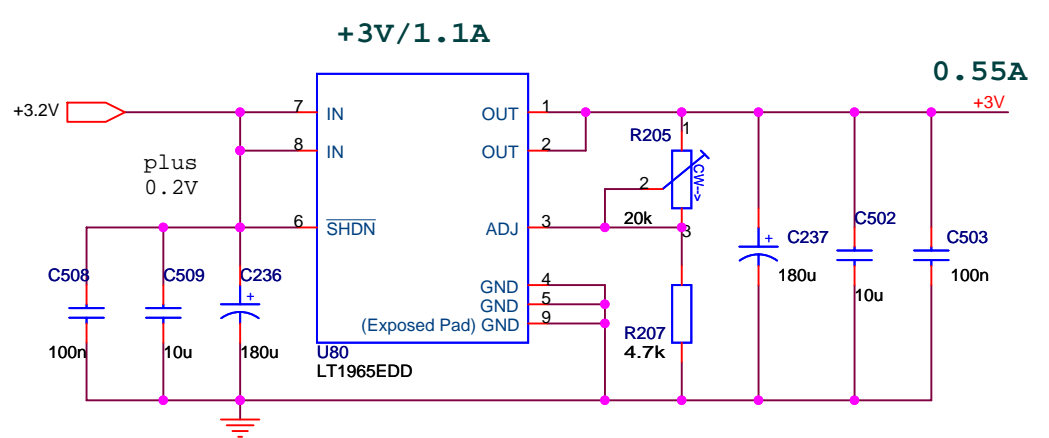
POW13



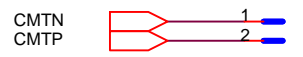
LTC3025-1



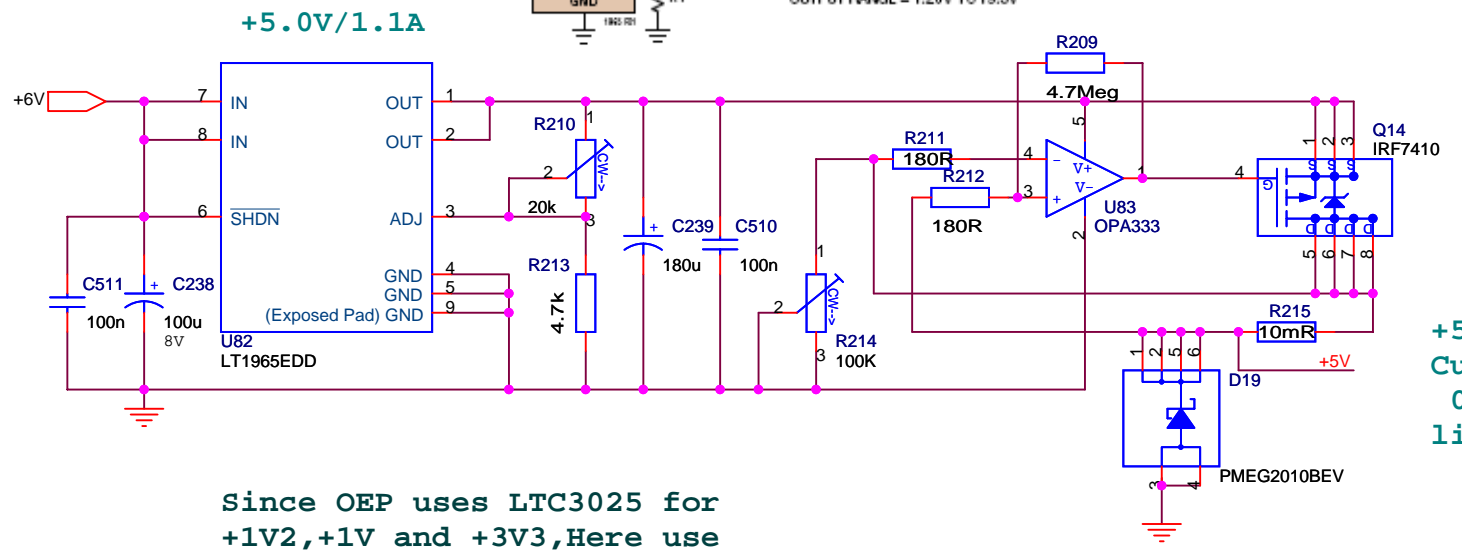
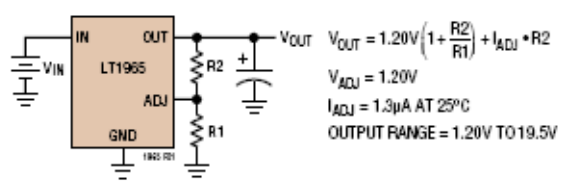
*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.
 **C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



CSOUT13



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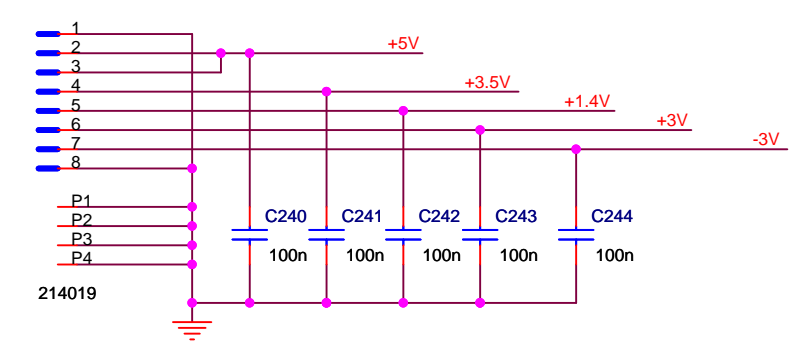


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

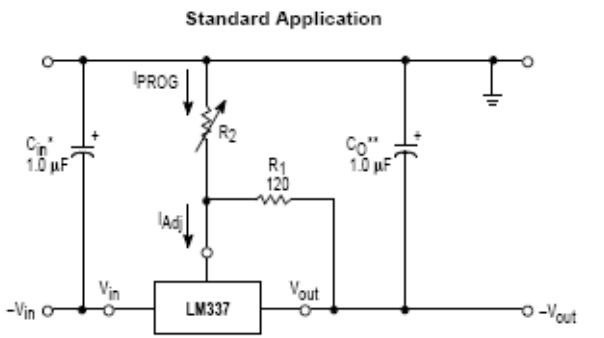
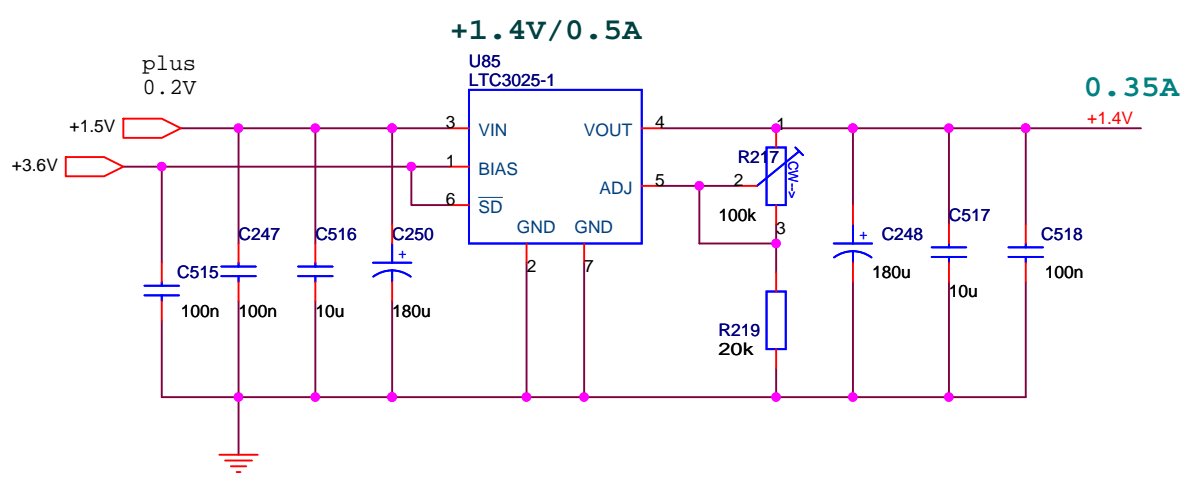
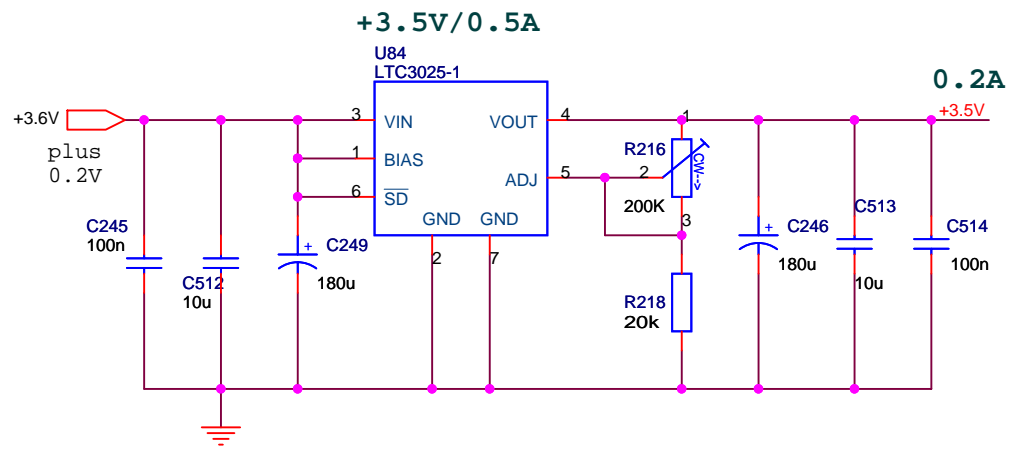
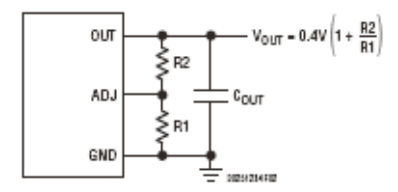
+5V Current limiter 0.95A

The PW inputs should be higher than the marked inputs about 0.2V

POW14

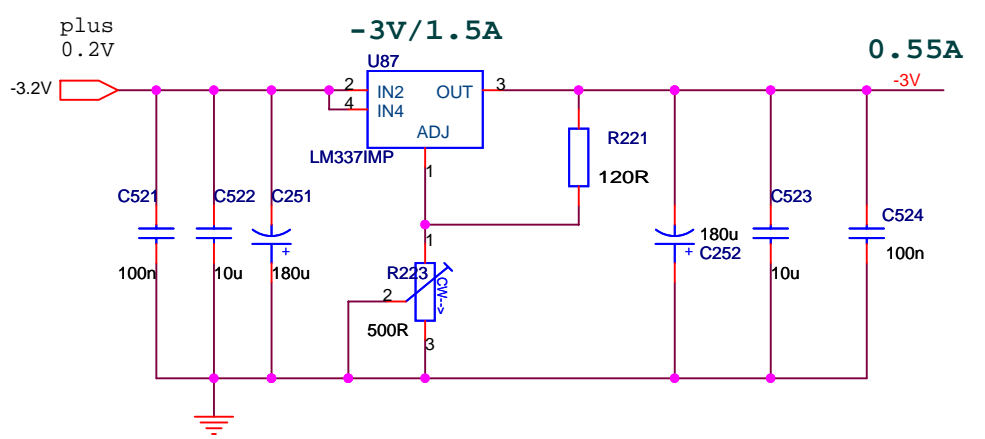
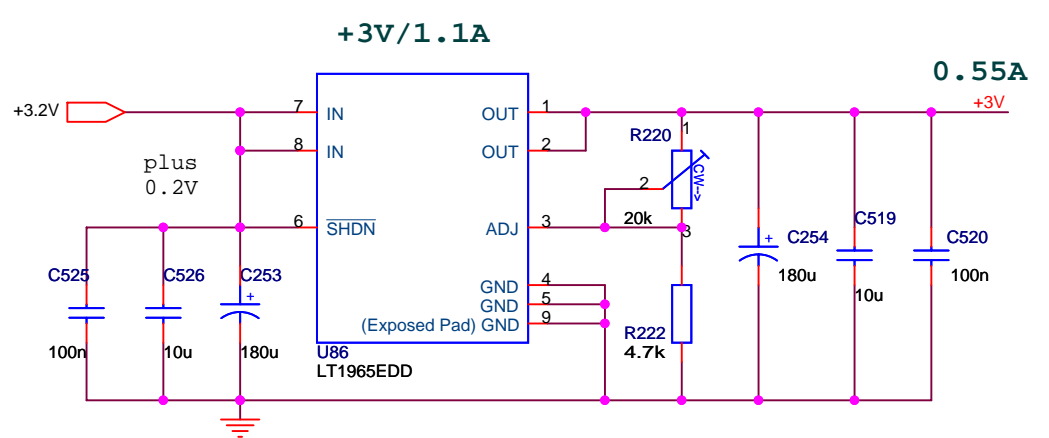


LTC3025-1

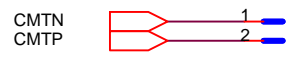


*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

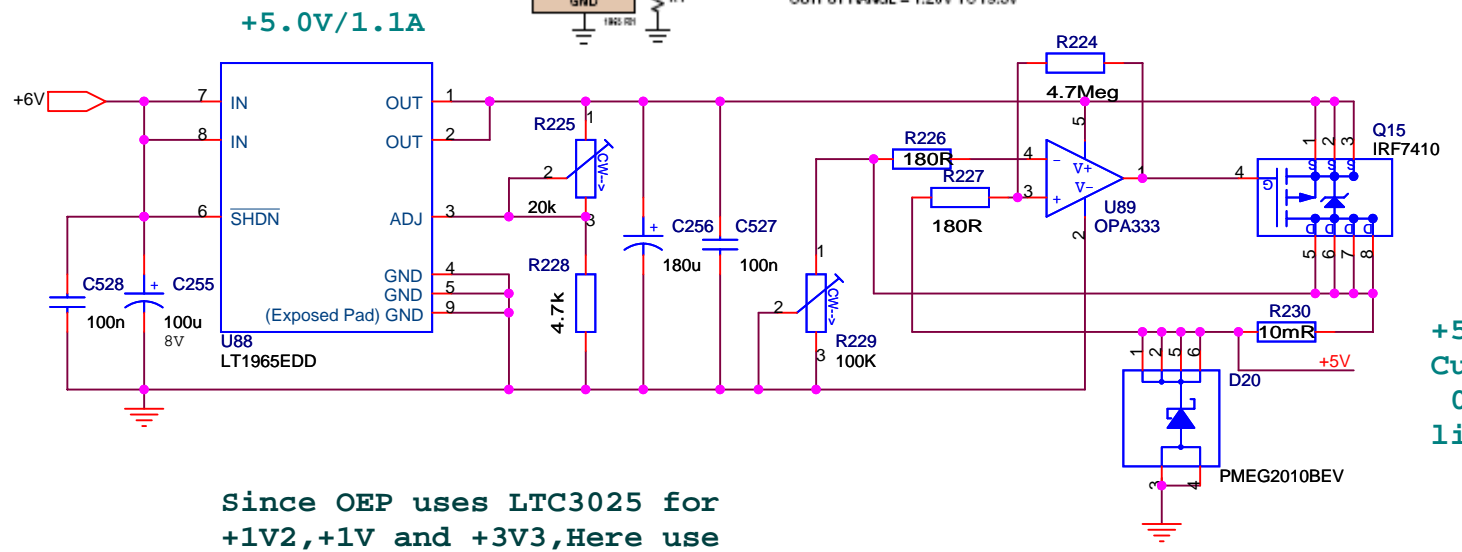
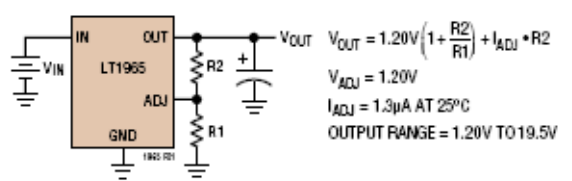
**C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



CSOUT14



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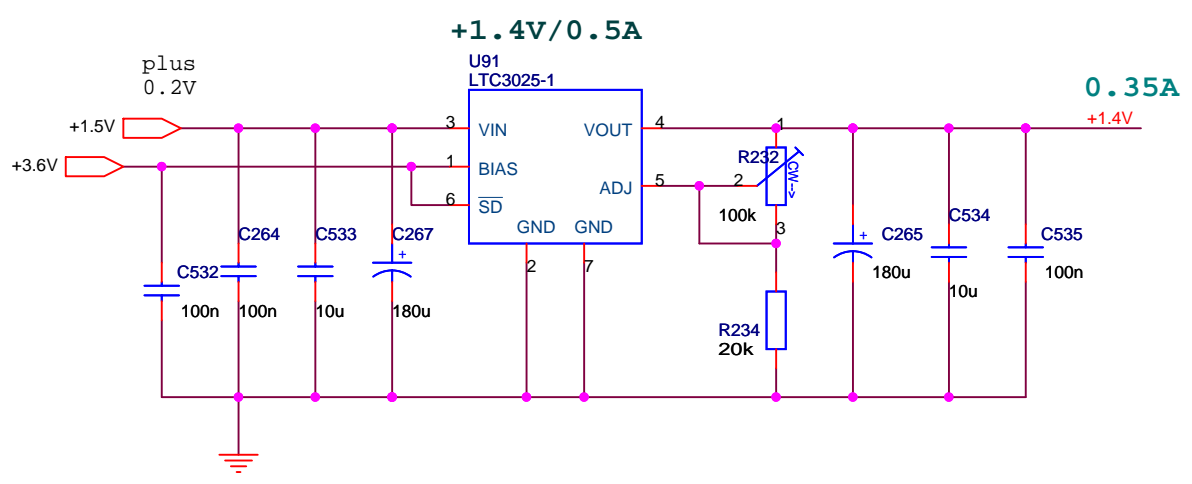
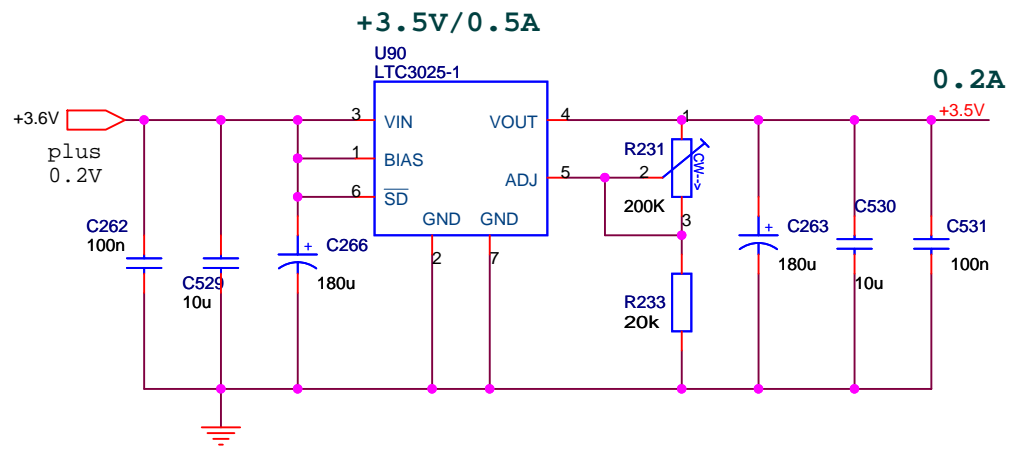
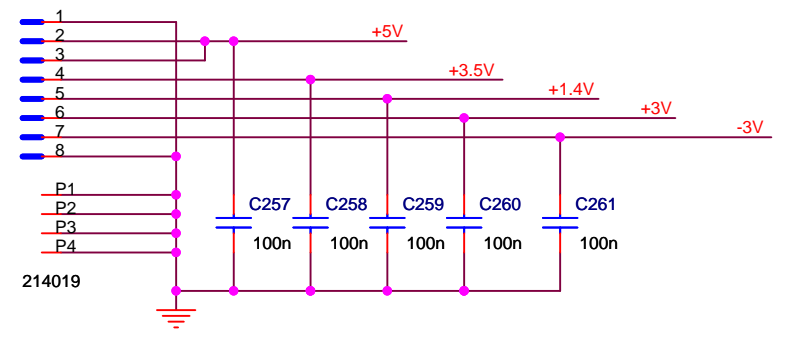


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

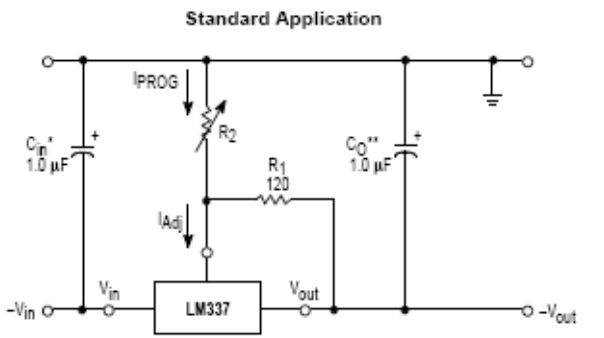
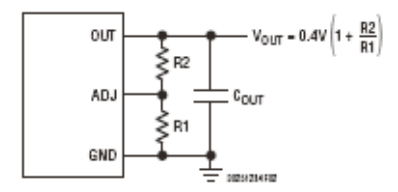
+5V
Current
0.95A
limiter

The PW inputs should be higher than the marked inputs about 0.2V

POW15



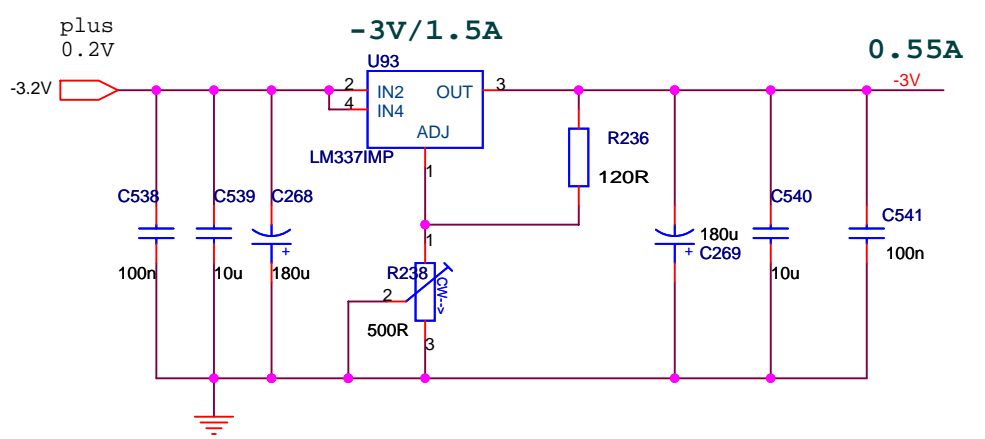
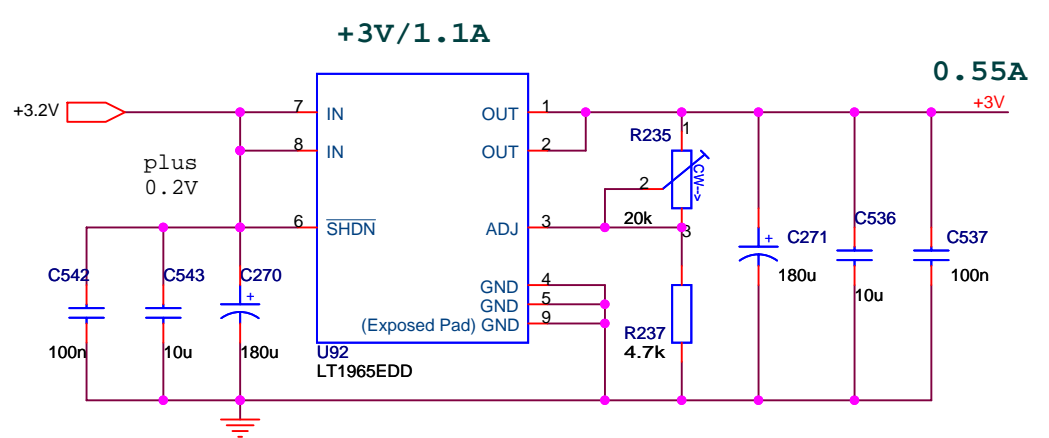
LTC3025-1



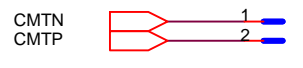
* C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

** C_{out} is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.

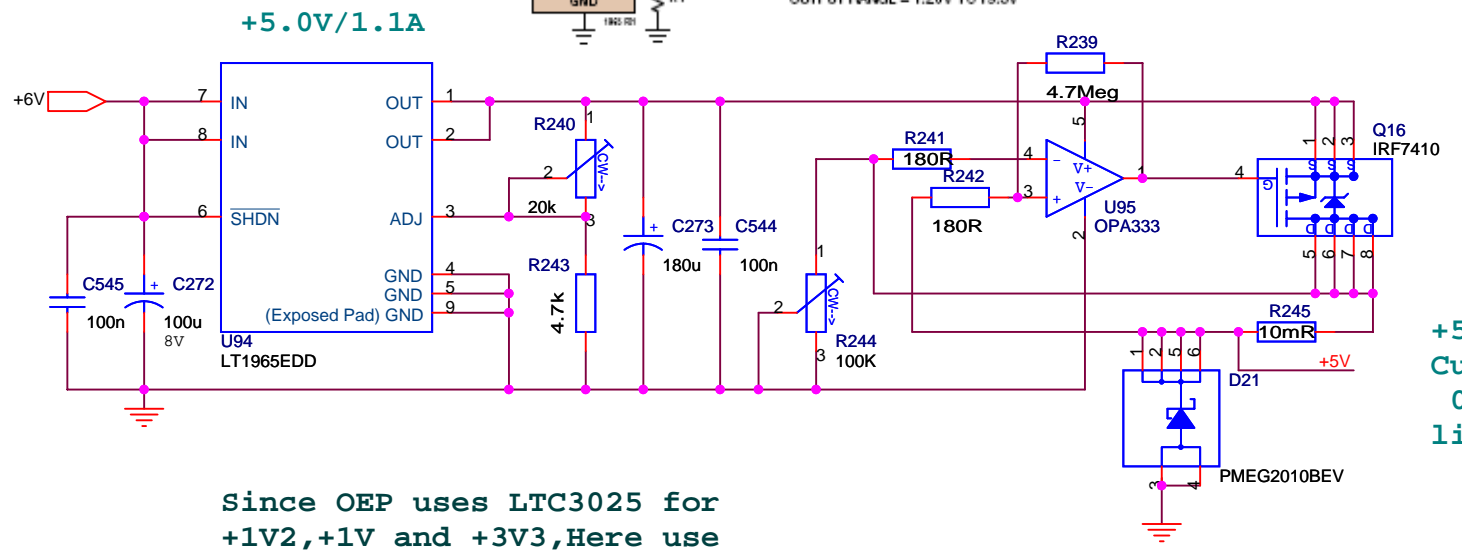
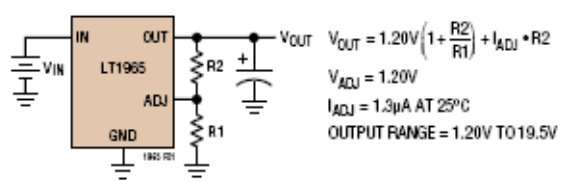
$V_{out} = -1.25 V \left(1 + \frac{R_2}{R_1}\right)$



CSOUT15



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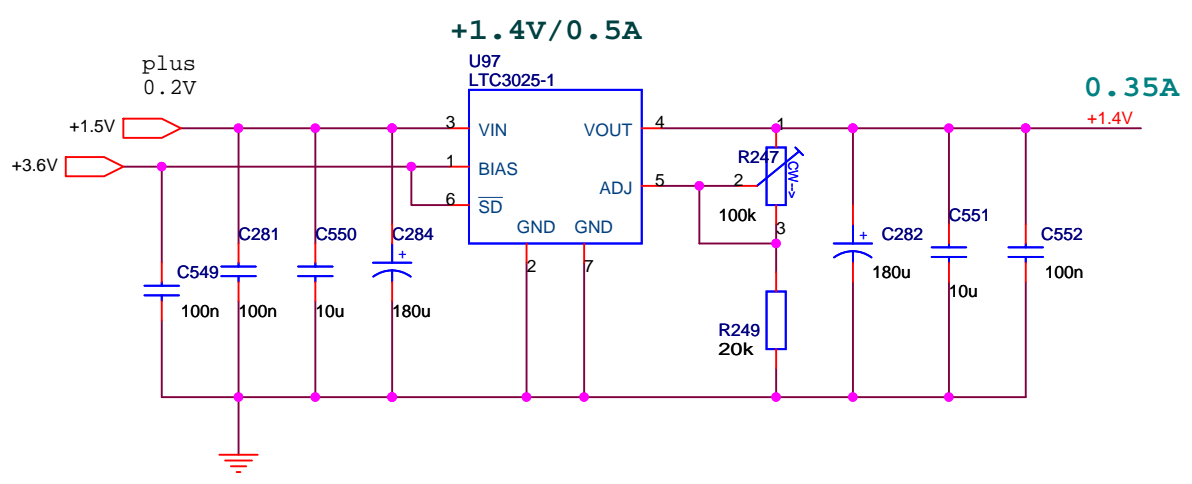
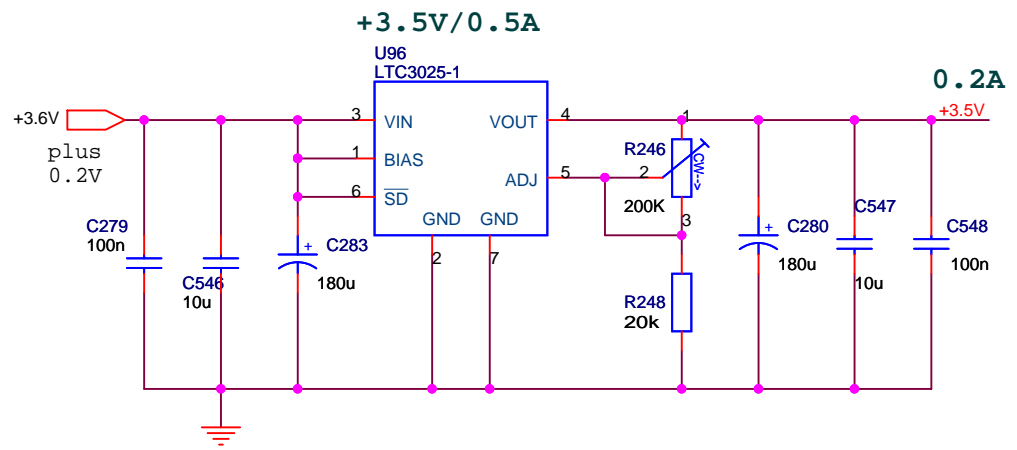
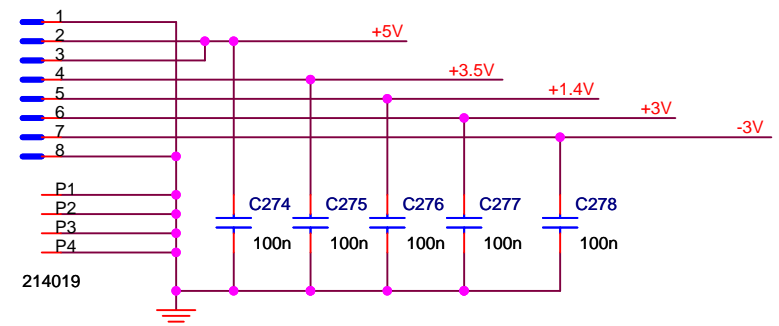


Since OEP uses LTC3025 for +1V2,+1V and +3V3,Here use same LT3025 for all

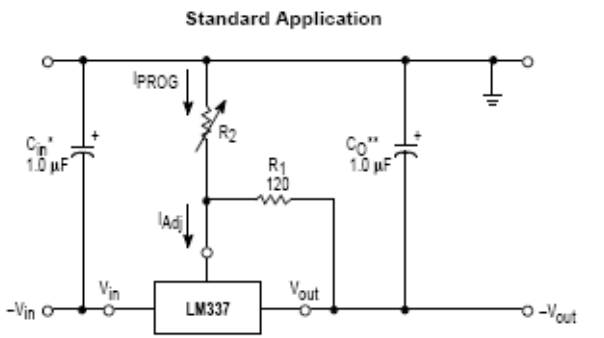
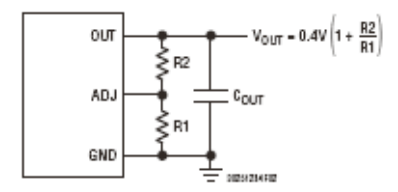
+5V
Current
0.95A
limiter

The PW inputs should be higher than the marked inputs about 0.2V

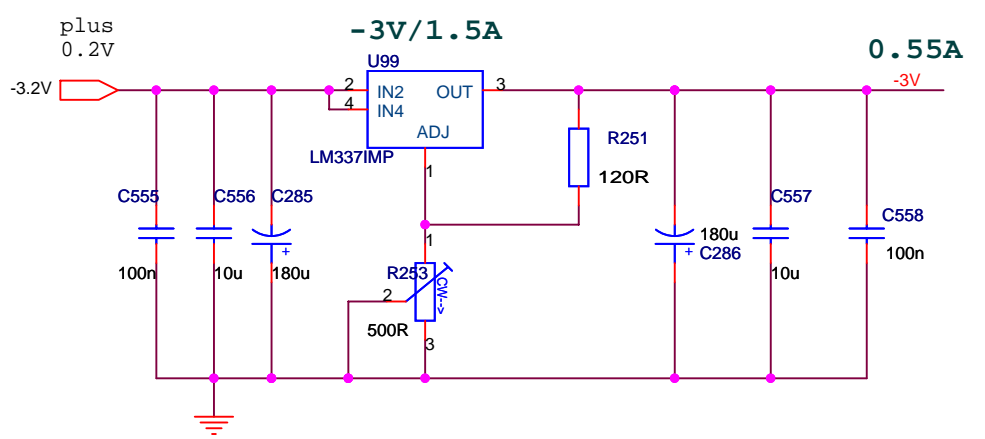
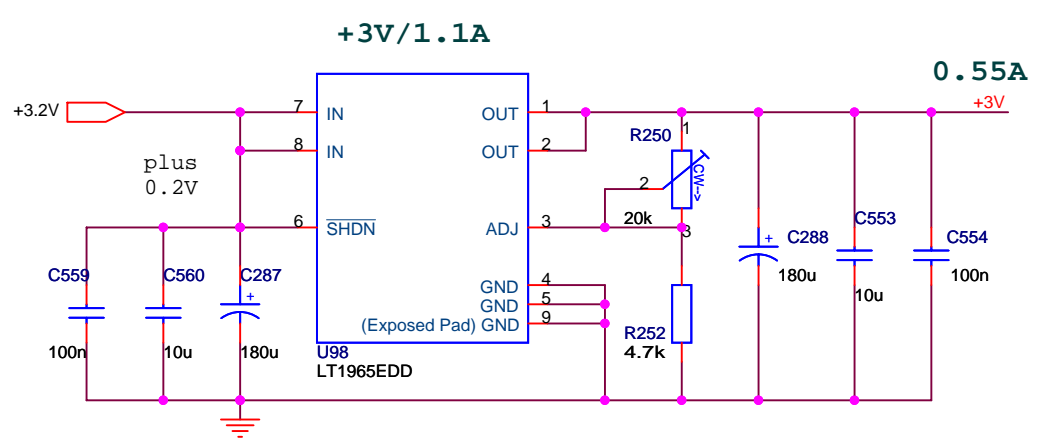
POW16



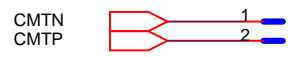
LTC3025-1



*C_{in} is required if regulator is located more than 4 inches from power supply filter. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.
 **C_O is necessary for stability. A 1.0 μF solid tantalum or 10 μF aluminum electrolytic is recommended.



CSOUT16



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