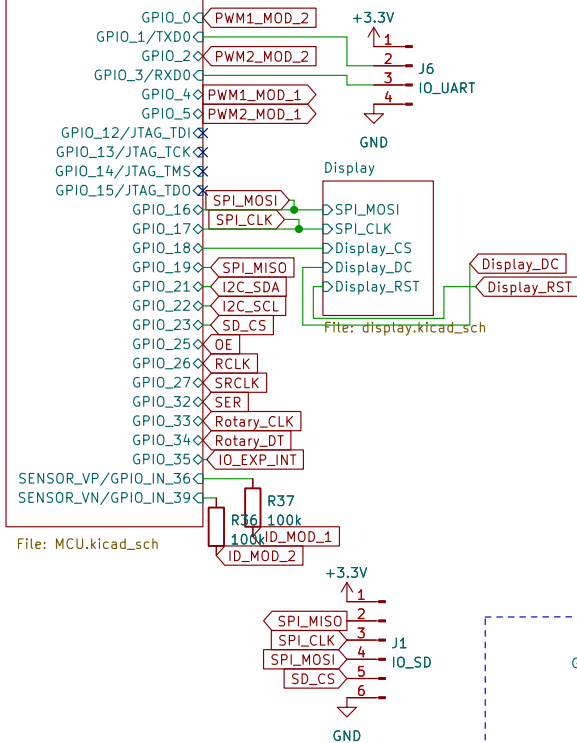
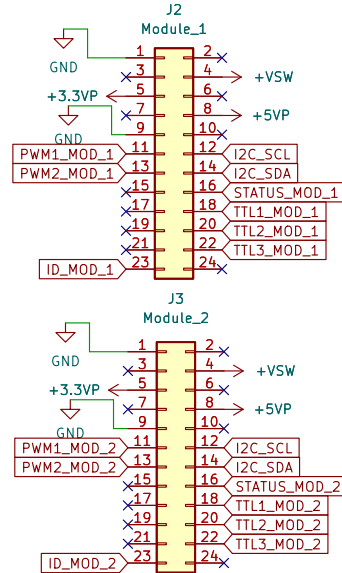


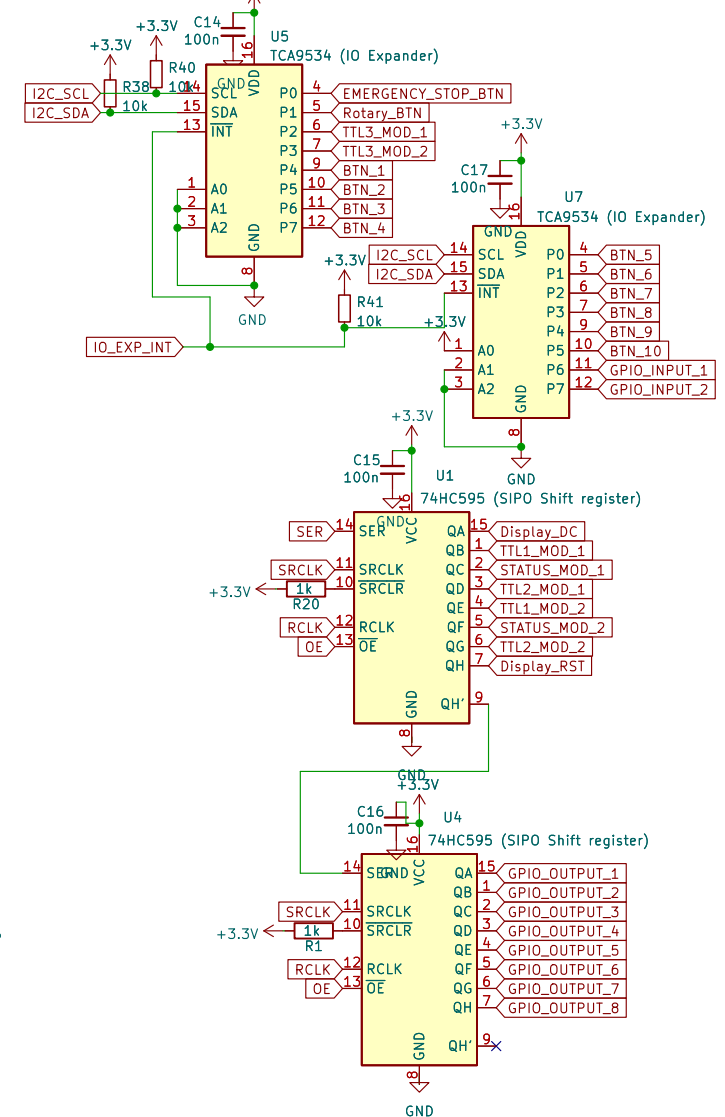
## MCU, Display, IO, SD



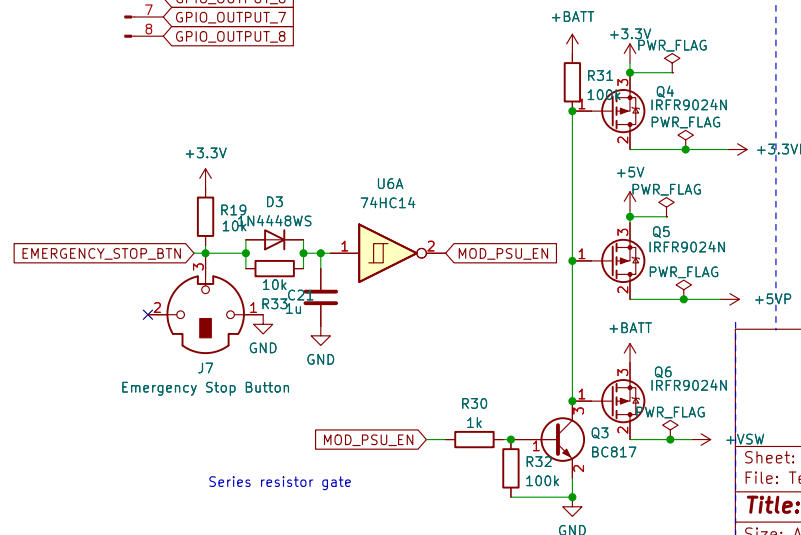
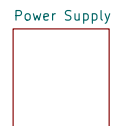
## Module Ports



## GPIO Expanders / Shift registers



## Power Supply



Sheet: /  
File: Testapparaat.kicad\_sch

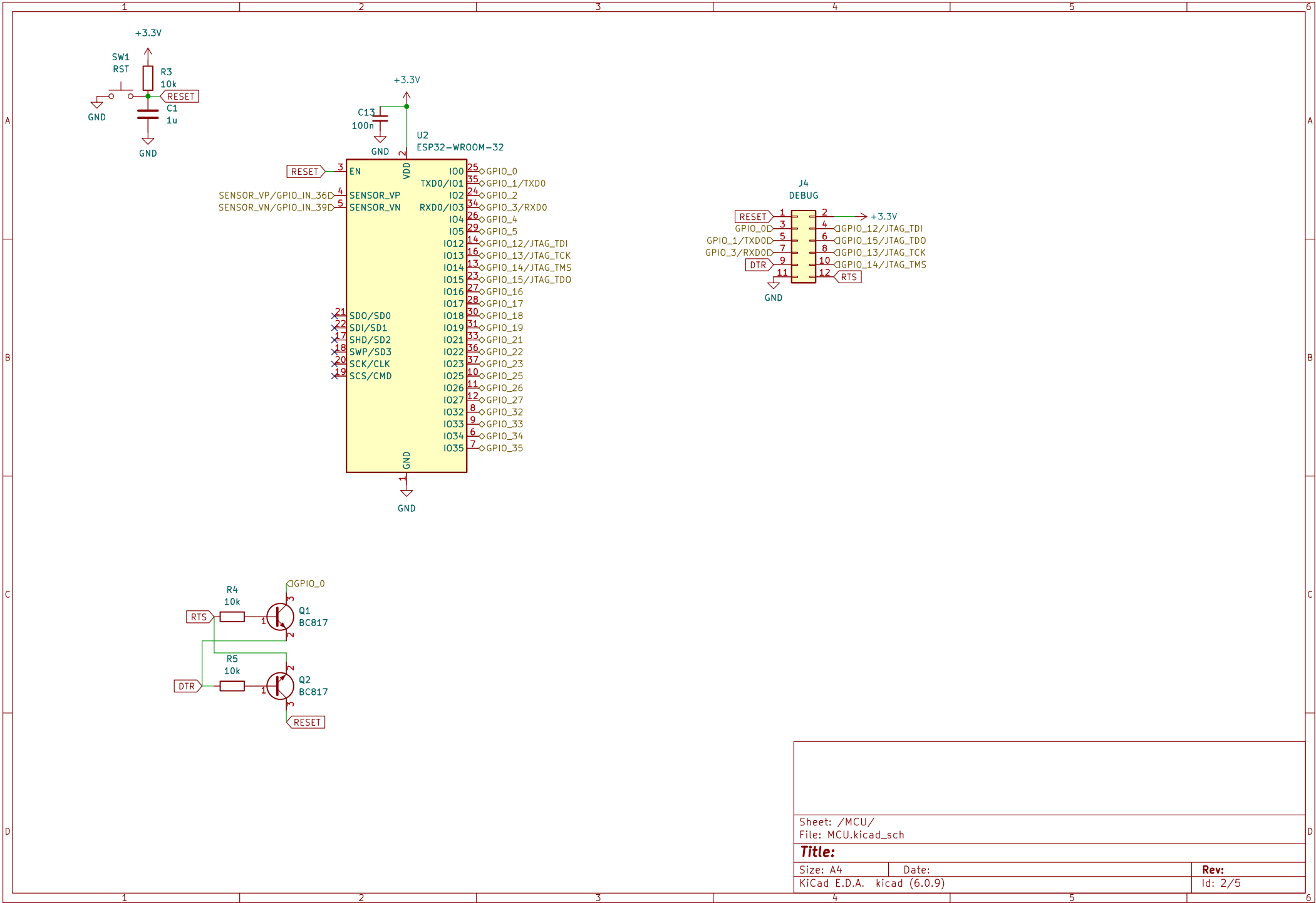
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KiCad E.D.A. kicad (6.0.9)

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Id: 1/5



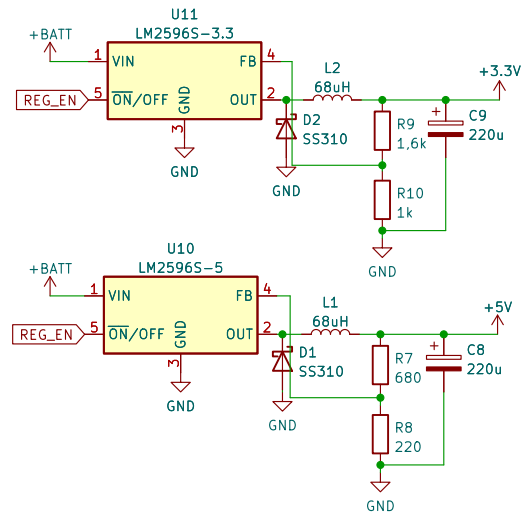
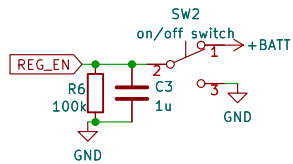
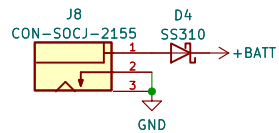
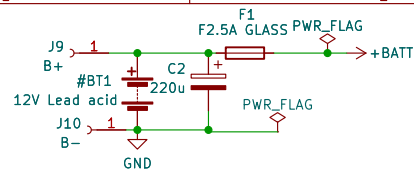
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Size: A4  
KiCad E.D.A. kicad (6.0.9)

Date:

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Id: 2/5



$R_{FBT} = R_{FBB}((v_{out}/v_{ref})-1)$   
 $R_{FBB} = 1k$  (gaf een goede verhouding)  
 $V_{ref} = 1.23v$  (datasheet LM2596)

$R_{FBT} = 1k((3.3/1.23)-1) = 1.68k \rightarrow 1.6k$  gekozen

$R_{FBT} = R_{FBB}((v_{out}/v_{ref})-1)$   
 $R_{FBB} = 1k$  (gaf een goede verhouding)  
 $V_{ref} = 1.23v$  (datasheet LM2596)

$R_{FBT} = 1k((5/1.23)-1) = 3065R \rightarrow 3k$  gekozen

Sheet: /Power Supply/  
 File: Power\_Supply.kicad\_sch

**Title:**

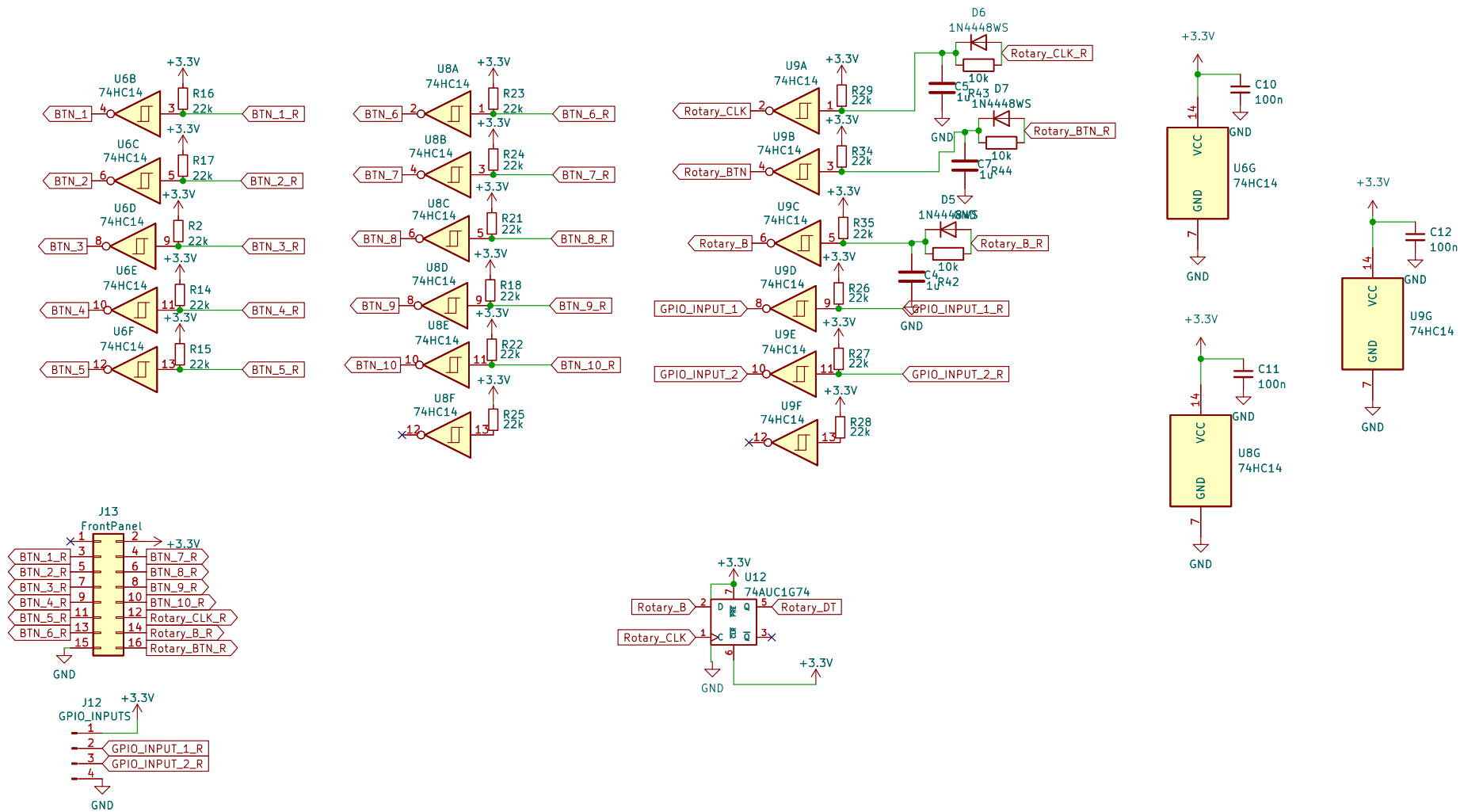
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**Rev:**

Id: 3/5





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File: button\_inputs.kicad\_sch

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Date:

Rev:

Id: 5/5