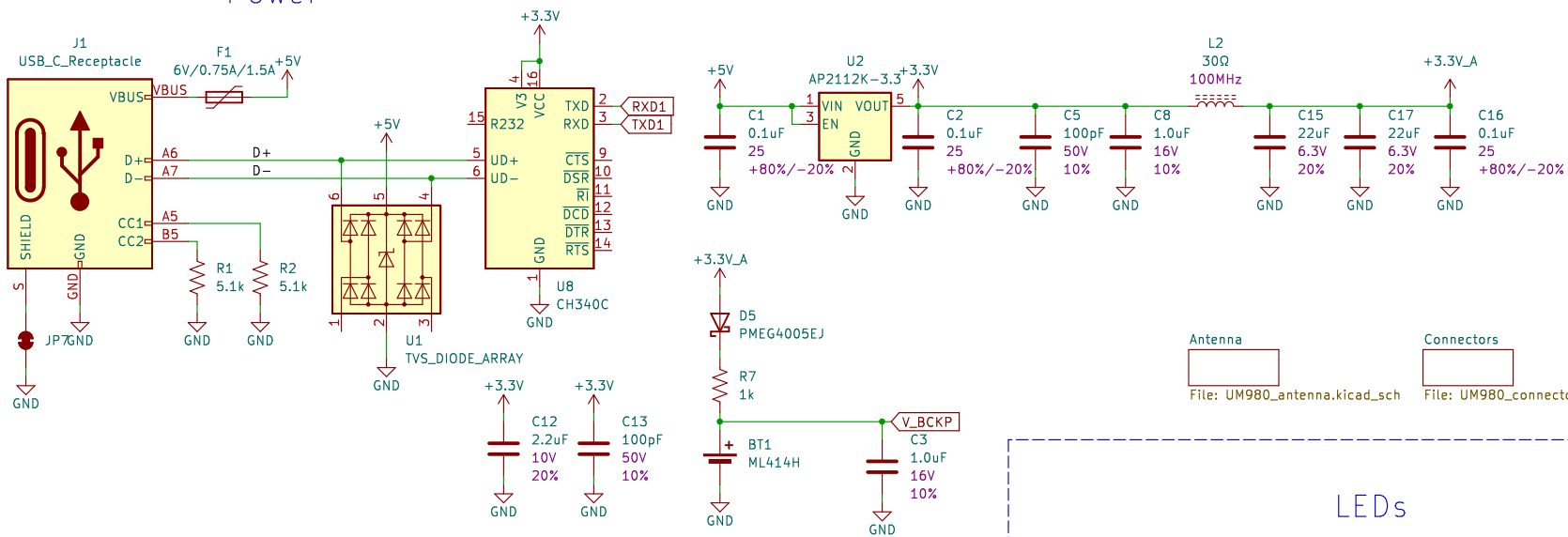


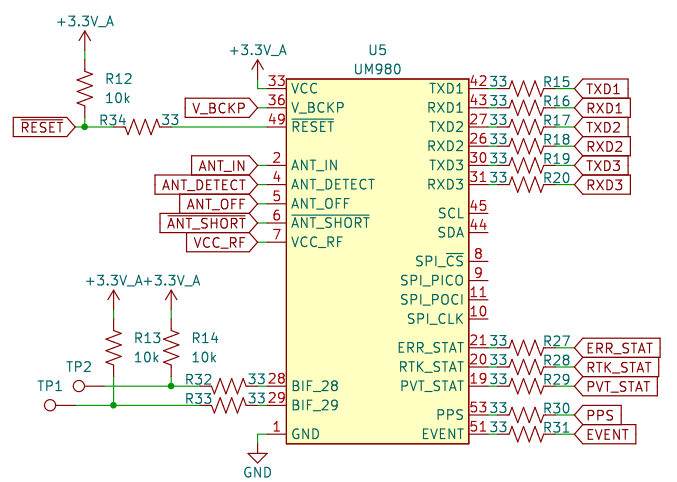
Power



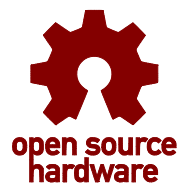
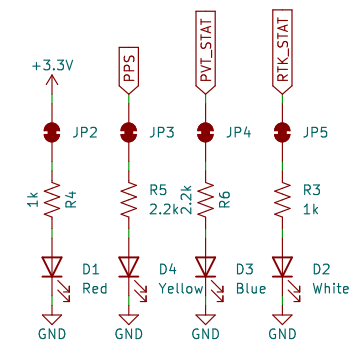
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Connectors
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UM980 GNSS Triband



LEDs

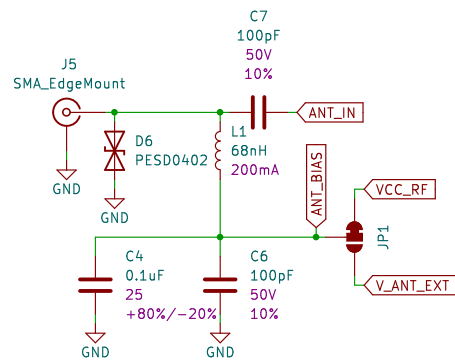


Designed by: N.Seidle

Ordering Instructions

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Title: UM980 Triband GNSS Receiver Breakout	
Size: USLetter	Date: 2023-07-28
KiCad E.D.A. kicad 7.0.7	Rev: v10
	Id: 1/3

RF Connector



Coplanar Waveguide Calculation:
 Copper Thickness (1oz): 1.4mil/0.035mm
 Board thickness: 1.6mm
 Dielectric thickness (layer 1 to 2): 0.2mm
 Er: 4.6
 Polygon Isolation: 8mil/0.2032mm
 RF Trace Width: 13.74mil/0.349mm
<https://chemandy.com/calculators/coplanar-waveguide-with-ground-calculator.htm>

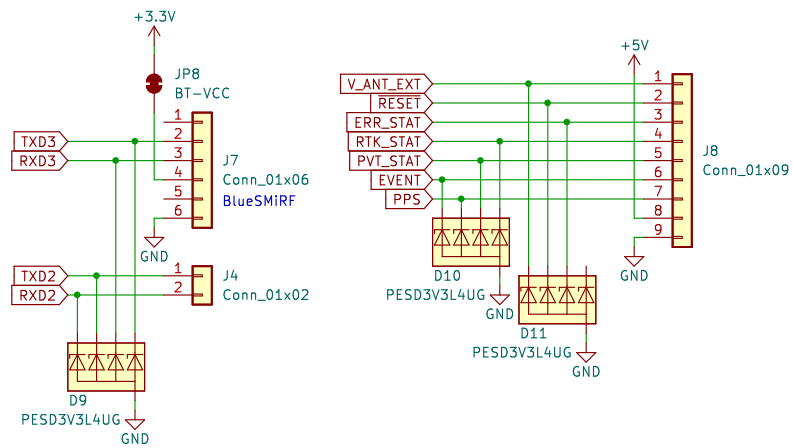
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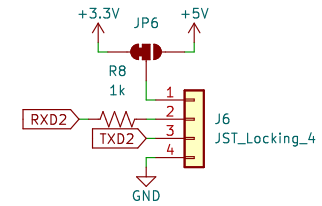
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Rev:
 Id: 2/3

External PTH Connectors



Locking JST



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Title:

Size: USLetter Date:
KiCad E.D.A. kicad 7.0.7

Rev:
Id: 3/3