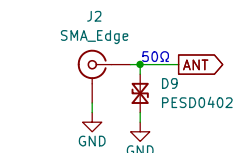


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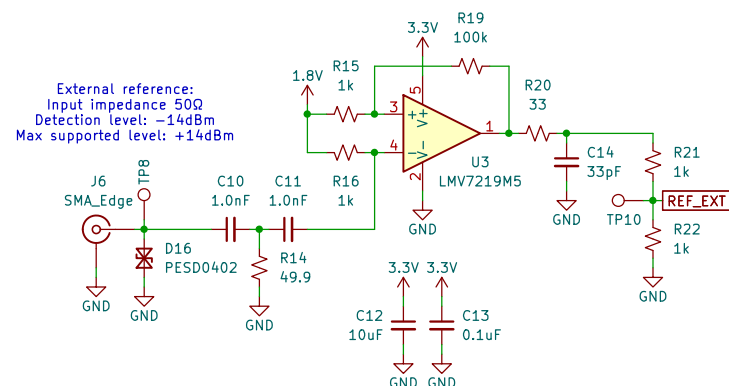
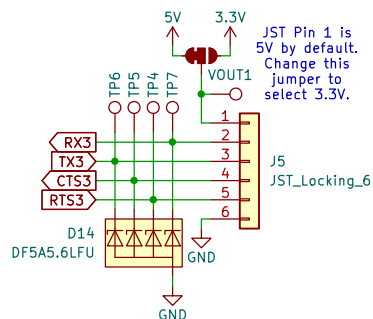
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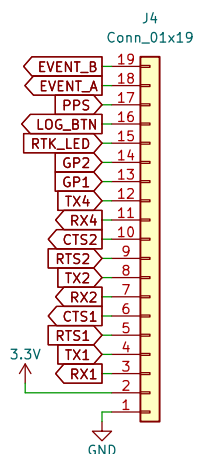
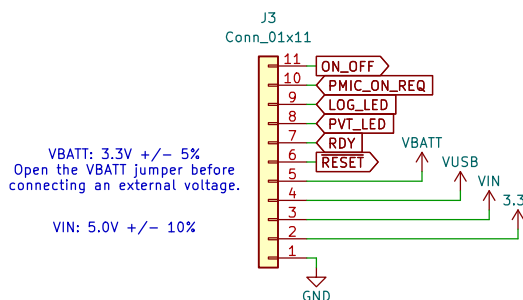
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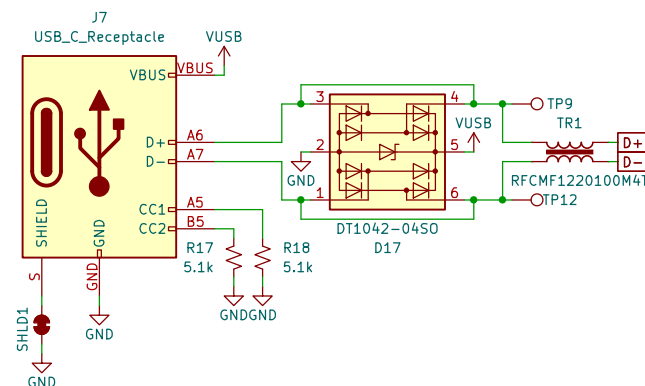


Microstrip (Coplanar Single Ended) 50Ω Calculation:
<https://jlcpcb.com/pcb-impedance-calculator>
 Board thickness: 1.6mm. Layers: 4. Er: 4.4 (7628 Prepreg)
 Dielectric Thickness (Layer 1 to 2): 8.28mil/0.2104mm (JLC7628)
 Copper Thickness (1oz outer / 0.5oz inner): 1.38mil/0.035mm
 Polygon Isolation: 7mil/0.1778mm
 Trace Width: 11.1mil/0.2819mm

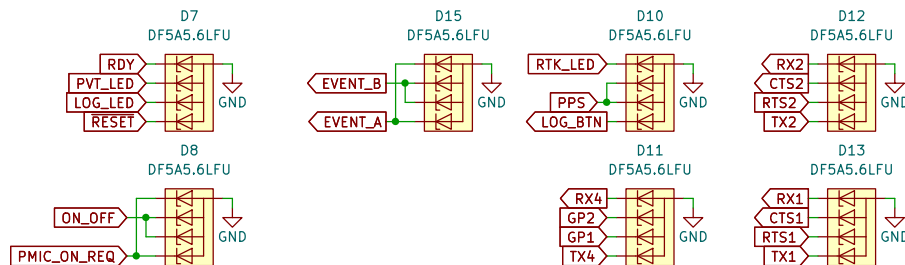
3







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USB Track Impedance: Coplanar Differential Pair @ 90Ω
<https://jlcpcb.com/pcb-impedance-calculator>
 Board Thickness: 1.6mm. Layers: 4. Er: 4.4 (7628 Prepreg)
 Dielectric Thickness (Layer 1 to 2): 8.28mil/0.21mm (JLC7628)
 Copper Thickness (1oz outer / 0.5oz inner): 1.38mil/0.035mm
 Polygon Isolation: 7mil/0.1778mm
 Trace Spacing: 9.07mil/0.2304mm
 Trace Width: 10.93mil/0.2776mm
 Trace center-to-center: 20.0mil/0.508mm

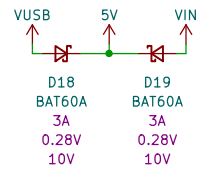
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Title: SparkFun GNSS mosaic-T – Connectors

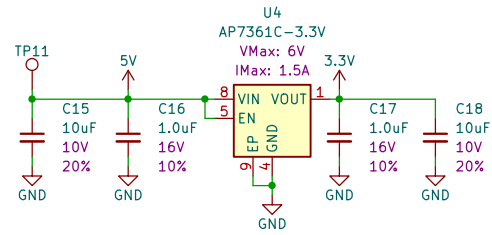
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Power Mux



Voltage Regulation – AP7361C–3.3V



Sheet: /Power/
File: Power.kicad_sch

Title: SparkFun GNSS mosaic-T – Power

Size: USLetter Date:
KiCad E.D.A. 9.0.0

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