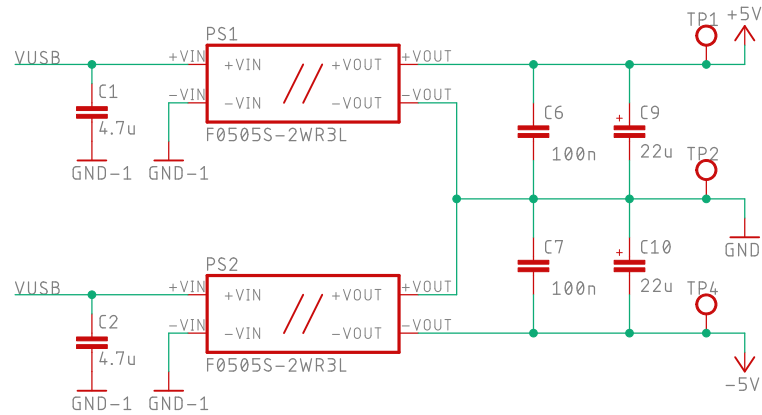
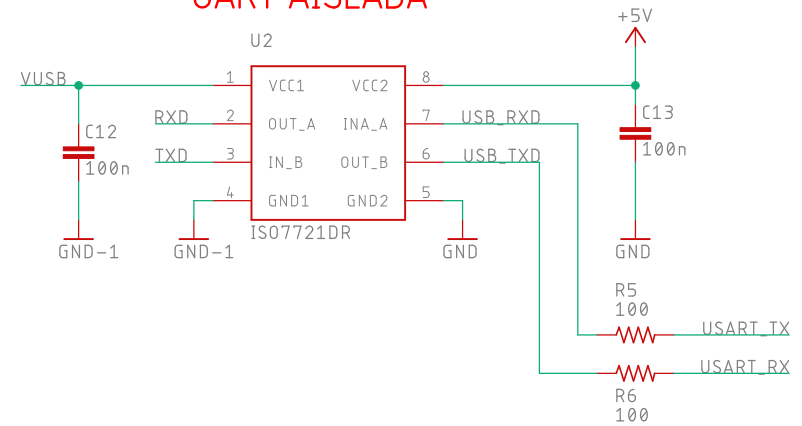


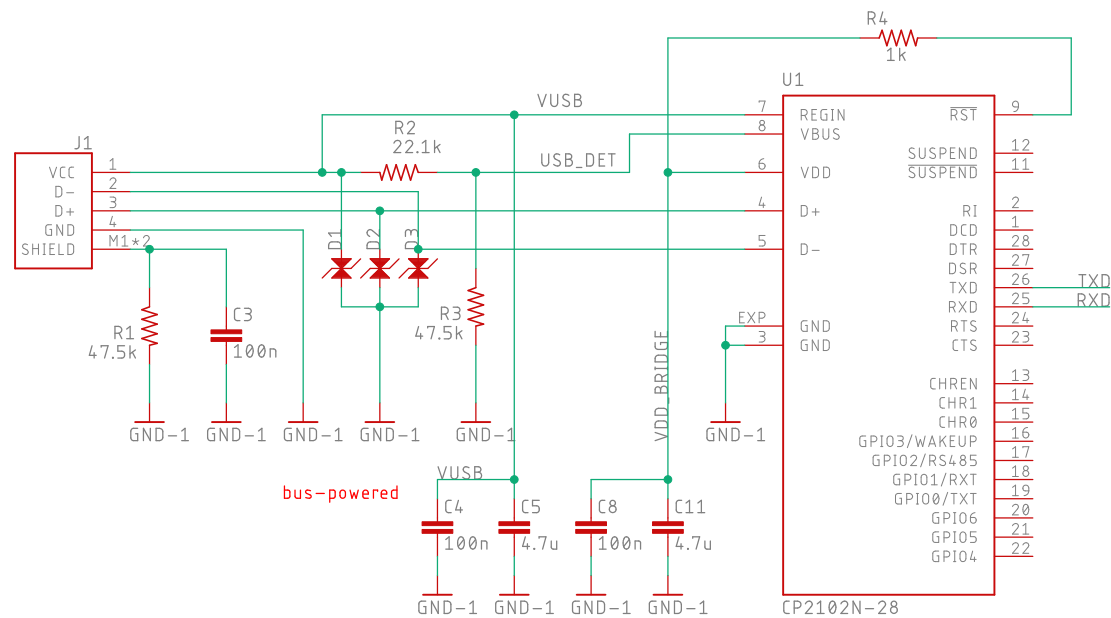
FUENTE DE ALIMENTACIÓN AISLADA



UART AISLADA



CONVERSOR USB-UART



Conversor Aislado USB-UART

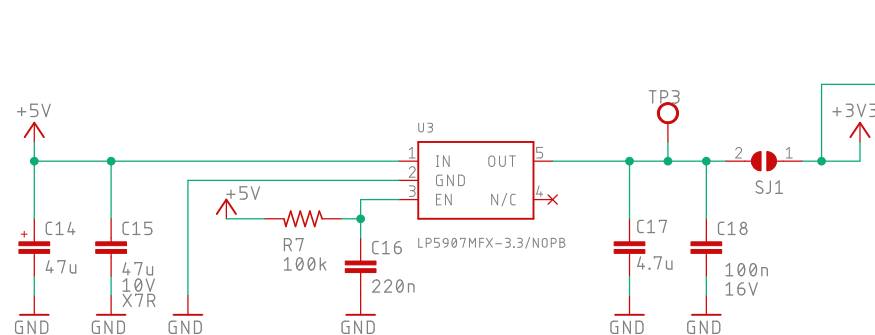
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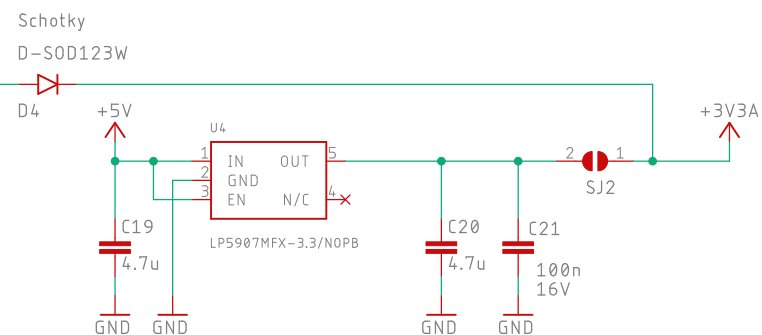
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FUENTE DE ALIMENTACIÓN PARA MCU (DOMINIO DIGITAL)



FUENTE DE ALIMENTACIÓN PARA MCU (DOMINIO ANALÓGICO)



If the VDD and VDDA pins are split, the designer must ensure that VDDA power is applied before or simultaneously with VDD



Reguladores de tensión

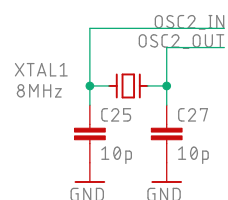
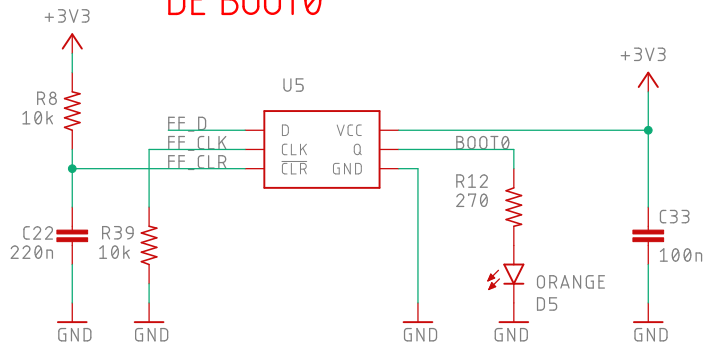
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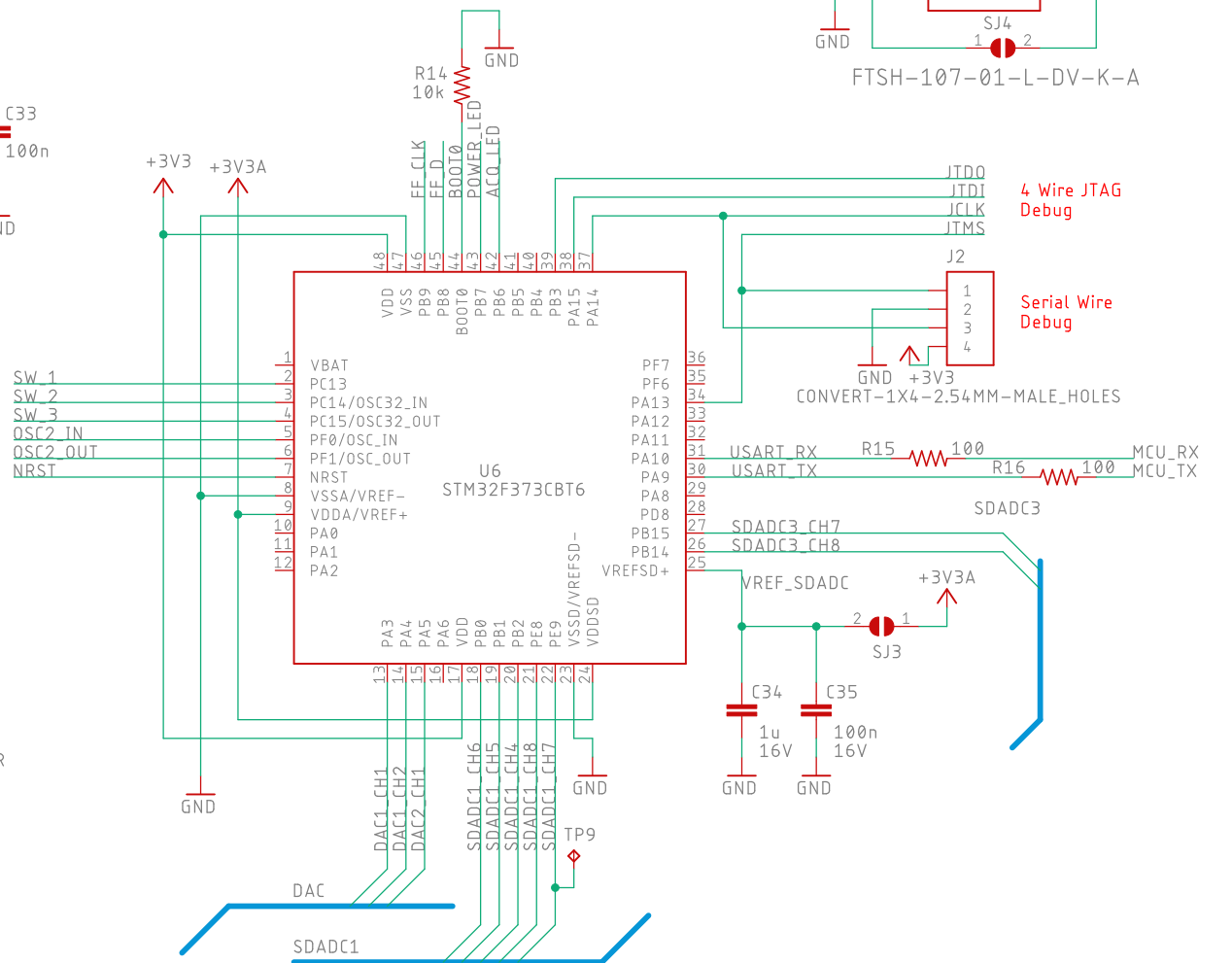
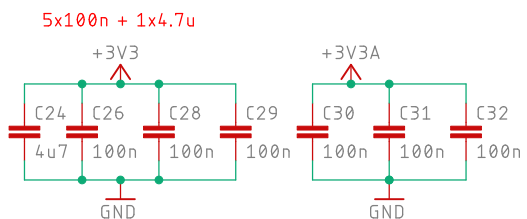
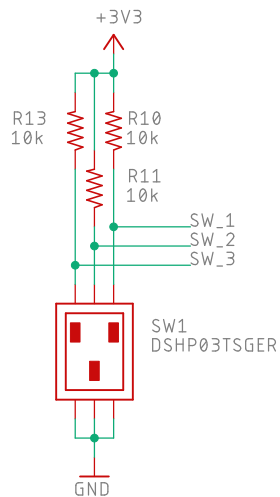
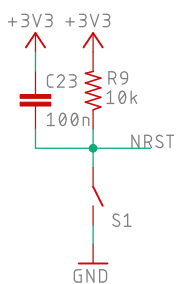
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CIRCUITO DE CONTROL DE BOOT0



$$C_{Load} = (C_1 * C_2 / (C_1 + C_2)) + C_{stray}$$



Microcontrolador

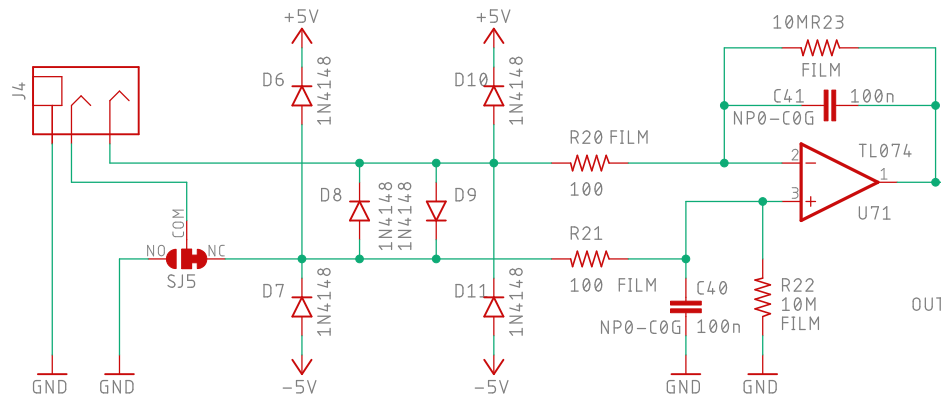
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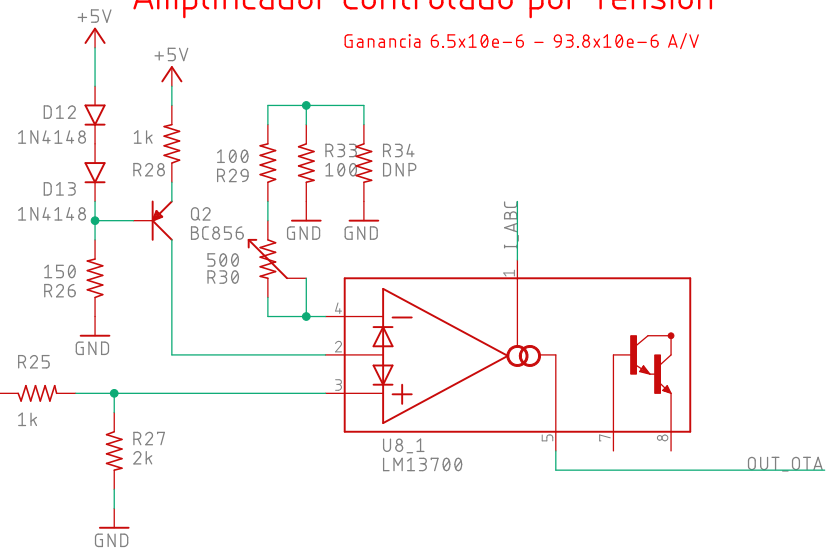
Amplificador de Carga Diferencial



<https://www.ti.com/litv/pdf/slyt369>

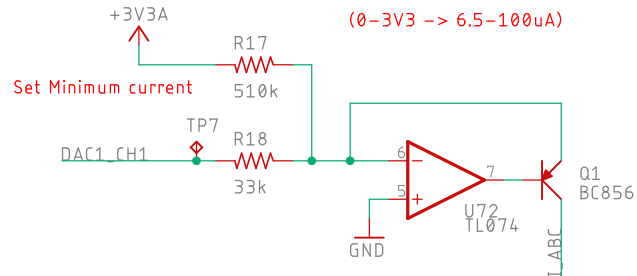
Amplificador Controlado por Tensión

Ganancia $6.5 \times 10^{-6} - 93.8 \times 10^{-6} \text{ A/V}$

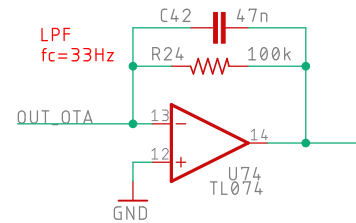


Convertidor Tensión – Corriente

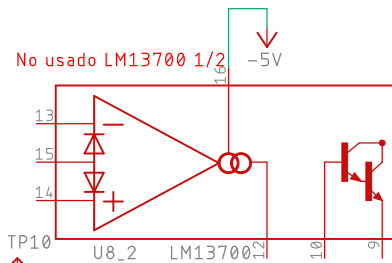
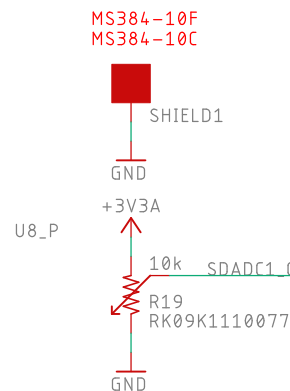
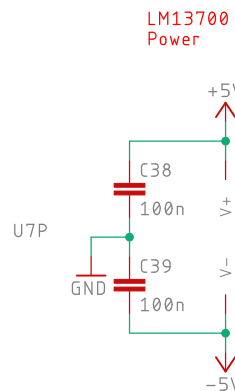
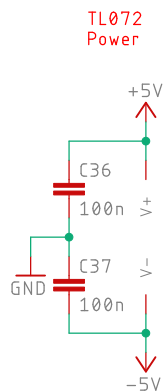
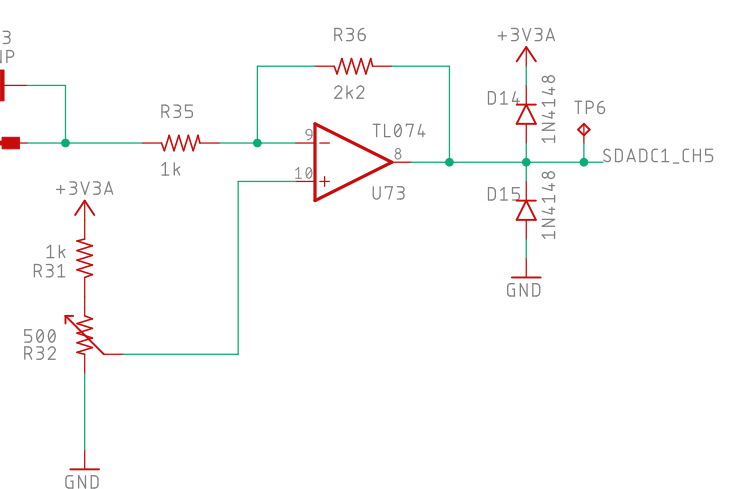
(0-3V3 -> 6.5-100uA)



Convertidor Corriente – Tensión



Amplificador y Offset



VDA

Etapa de Entrada

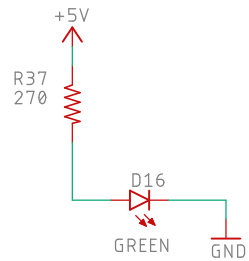
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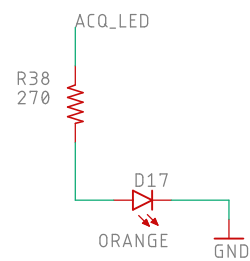
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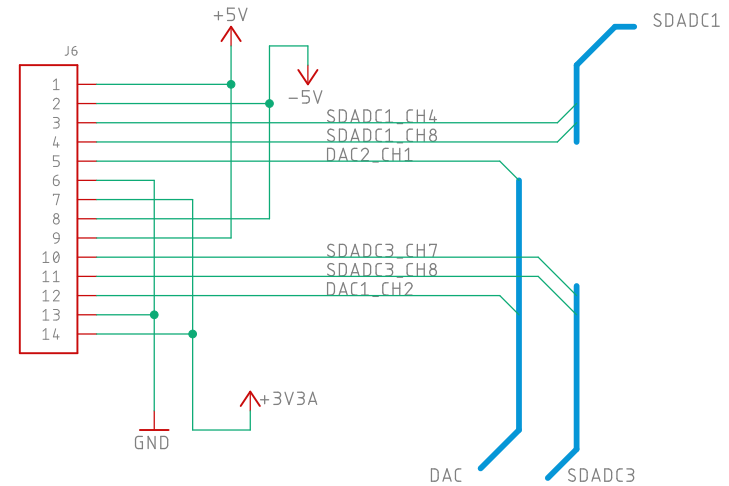
Power LED



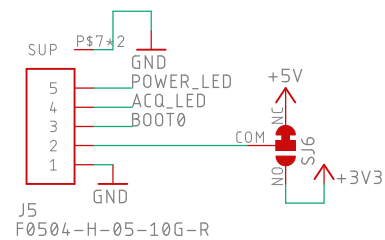
ACQ LED



Conector de Expansi3n



Conector para panel Frontal



LEDs indicadores y Conectores

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