

YD-RP2040 Modifications

- \* Unbridge R7 – RGB LED shared with GPIO23

Diagram illustrating the AIC1221-33GY3TR component connected to a +5V input (VIN) and a +3.3V output. The component is labeled U1. The input is connected to pin 1 (VI) through a Polyfuse\_Small (F1). The output is connected to pin 3 (VO). Both input and output lines have 4.7uF capacitors (C1 and C2) connected to ground. The component's ground pin (GND) is also connected to ground.

YD-RP2040 Modifications

- \* Remove D2, F1, U1, C1, C2
- \* Bridge D2 pins 1 and 2 with a 00hm 0603 resistor



File: sfp-

Since the  $\mathcal{H}_\infty$  norm is a scalar, the  $\mathcal{H}_\infty$  norm of the closed-loop system can be written as

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