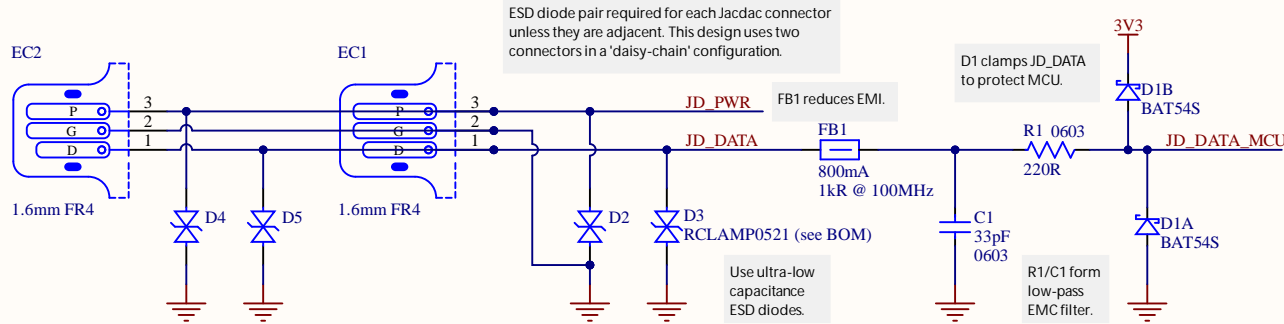
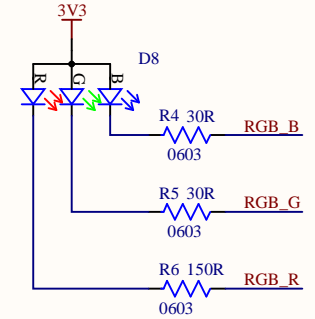


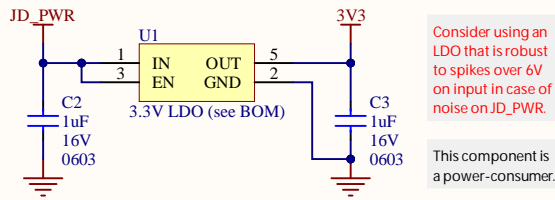
Jacdac connector



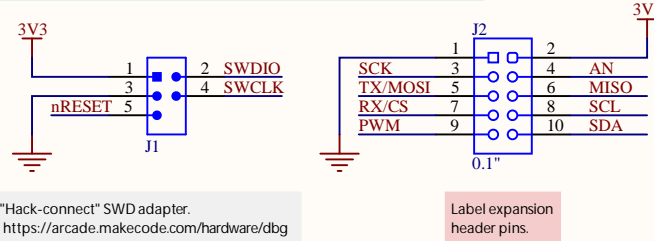
RGB LED



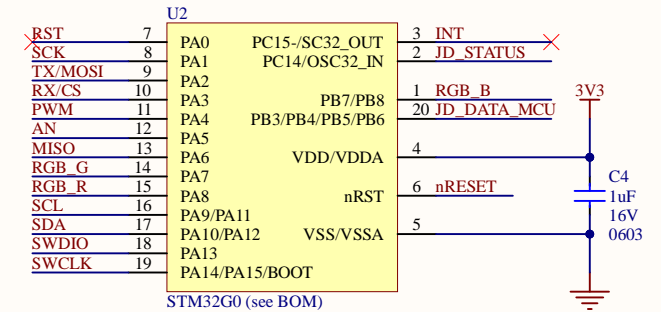
3V3 regulator



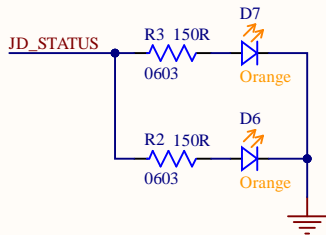
Programming/debug/expansion



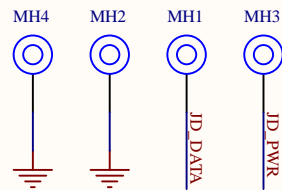
MCU



Status LED



Mounting holes



Mounting holes are electrically connected to the Jacdac bus nets so they can be used as an alternative to the PCB edge connector. Please use the following reference designators and net mapping:

MH1 & MH2: GND
MH3: JD_DATA
MH4: JD_PWR

This design uses PTH mounting holes with finished diameter of 3.1mm, annular copper ring of 4.4mm diameter & copper/component keepout of 7.0mm. The mounting holes must be on 10mm pitch. Mounting holes should have appropriate silkscreen marker, and MH1 should have a pin 1 marker in copper on the top side only.

This reference design is a guideline. Please refer to the Jacdac docs online at <https://aka.ms/jacdac> for the definitive and most up-to-date information.

This design uses an enclosure compatible board shape.

Silkscreen should include text to identify the module type and revision, and optionally a QR code.

Silkscreen & layout notes

Block name

Design notes

When this PDF is viewed with Adobe Reader, clicking on components shows part numbers and other details.

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PROJECT FILENAME JacdacDevRgbEc30 117.PrjPCB

PROJECT CODENAME JacdacDevRgbEc30

SHEET FILENAME JacdacDevRgbEc30 117.SchDoc

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Microsoft

PROJECT DESCRIPTION
G0-based single RGB LED/dev board

SHEET DESCRIPTION
Complete design

LAST MODIFIED 13/06/2022

PAGE 1 OF 1

DRAWN BY S. Hodges

REVISION 1.0

PCB ID 117-1.0