SAO Mothra

JSA01
Conn_02x03_SAO

+3.3V

R13
10K_6.3mm

D11
LED_3mm
White

R11
47R_6.3mm

D12
LED_3mm
White

R12
47R_6.3mm

GND

SAO King Ghidorah

JSA02
Conn_02x03_SAO

+3.3V1

R23
47K_6.3mm

D21
LED_3mm
White

R21
47R_6.3mm

D22
LED_3mm
White

R22
47R_6.3mm

GND1

SAO Rodan

JSA03
Conn_02x03_SAO

+3.3V2

R33
100K_6.3mm

D31
LED_3mm
White

R31
47R_6.3mm

D32
LED_3mm
White

R32
47R_6.3mm

GND2

SAO Hedorah

JSA04
Conn_02x03_SAO

+3.3V3

R43
220K_6.3mm

D41
LED_3mm
White

R41
47R_6.3mm
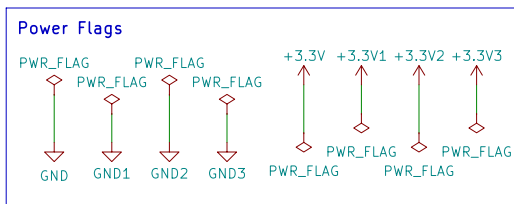
D42
LED_3mm
White

R42
47R_6.3mm

GND3

NOTE: SAO Pin 6 GPIO is used to provide a specific voltage to the badge so that the badge can read this to tell which SAO (monster) is plugged into the badge.

10K = 3V = Mothra
47K = 2.25V = King Ghidorah
100K = 1.65V = Rodan
220K = 1.03V = Hedorah

Power Flags

PWR_FLAG   PWR_FLAG
    PWR_FLAG   PWR_FLAG

GND   GND1   GND2   GND3

+3.3V +3.3V1 +3.3V2 +3.3V3

PWR_FLAG
PWR_FLAG   PWR_FLAG
    PWR_FLAG

Crafted by @alt_bier a.k.a. Richard Gowen and his Badge Team

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File: g0dzilla_vs_sao1.kicad_sch

Title: G0dzilla_VS_SAO1

| Size: USLetter | Date: 2024-06-20 | Rev: 1 |
| KiCad E.D.A. eeschema 7.0.10 | | Id: 1/1 |

Crafted by @alt_bier