Combine single Yellow LED with SU1 to create Right Angle version.

Verify LED footprint such that pin 1 is top/yellow anode.

Size 24V+_DCM* & 24Vret_DCM traces to handle up to 11A

Size GND_Case traces to handle up to 24A

Front Panel Mounting Brackets

DCM 24V ON
Front Panel

Power Conn

Size 24V+ & 24Vret traces to handle up to 2A

Size 3.3V+ & 3.3Vret traces to handle up to 4A

Place TVS as close as possible to fuse clip.

Place all fuse clips as close as possible to backplane conn (J1)

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Title: PDB DCM Card for NOvA Project

University of Virginia Physics Dept.
382 McCormick Rd, Charlottesville, VA 22904

Drawn By: Stephen Goadhouse, 434-982-5594, sdg6h@virginia.edu

Date: Tuesday, January 05, 2010

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Components:
- R1: 1.5M 0.5W 3.5kV
- Q1: KSP44
- R2: 4.3k 3W 750V
- Q2: KSP44
- R3: 1.5M 0.5W 3.5kV
- Q3: KSP44
- R4: 4.3k 3W 750V
- F2: 56000001319
- C1: 10µ 50V
- C2: 0.1µ 630V
- C3: 0.1µ 50V
- C4: 0.1µ 50V
- C5: 10µ 50V
- C6: 0.1µ 50V
- C7: 10µ 50V
- D2: 5KP6.5A
- J3: 1-770969-1
- D2: 5KP6.5A
- FS2: 1.0A
- FS3: 2.0A
- R5: 2.2k 0.5W 3.9kV
- R6: 150 3W
- FS2: 1.0A
- FS3: 2.0A
- 24V+ Chan
- 3.3V+ Chan
- 24V_LED
- 3.3V_LED
Front Panel

Power Conn

- **450V+**
- **450Vret**

**24V+**

- Place all fuse clips as close as possible to backplane conn (J1)

Size 24V+ & 24Vret traces to handle up to 2A

**3.3V+**

- Size 3.3V+ & 3.3Vret traces to handle up to 4A

- Place TVS as close as possible to fuse clip.

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