

#### Description

High Temp Alarm  
 IN: A\_HTAS\_I (amplified temp)  
 OUT: A\_HTAS\_O (alarm)  
 ADJ: HIGH TEMP pot (RV201)

Low Temp Heater Control:  
 IN: A\_LTHC\_I (amplified temp)  
 OUT: HEATER\_DRIVE (MOSFET), A\_LTHC\_O (alarm)  
 ADJ: LOW TEMP pot (RV202)

Thermal control logic for both high and low temp alert

**LKP Systemes**

Sheet: /thermal control/  
 File: thermal\_control.kicad\_sch

**Title: Thermal control**

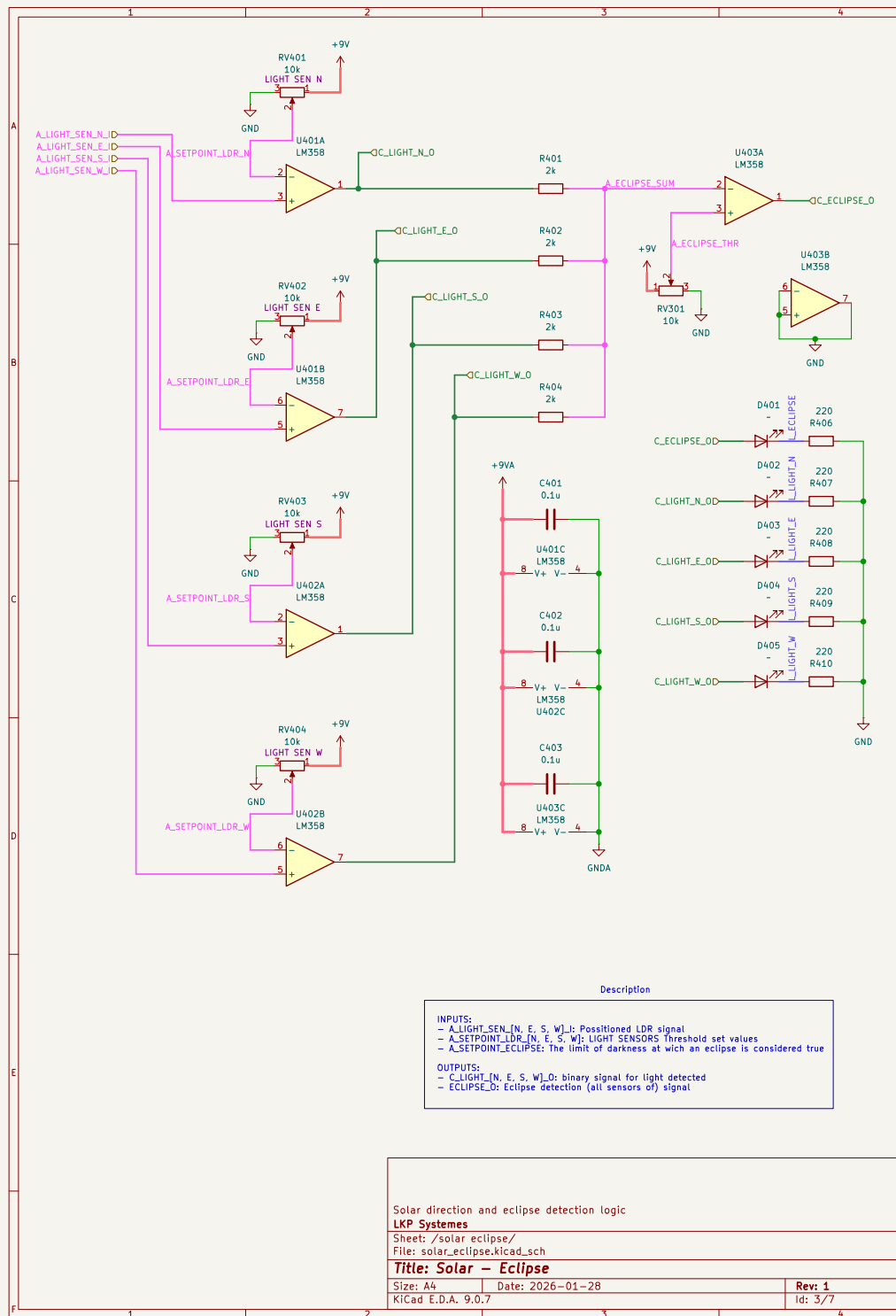
Size: A4

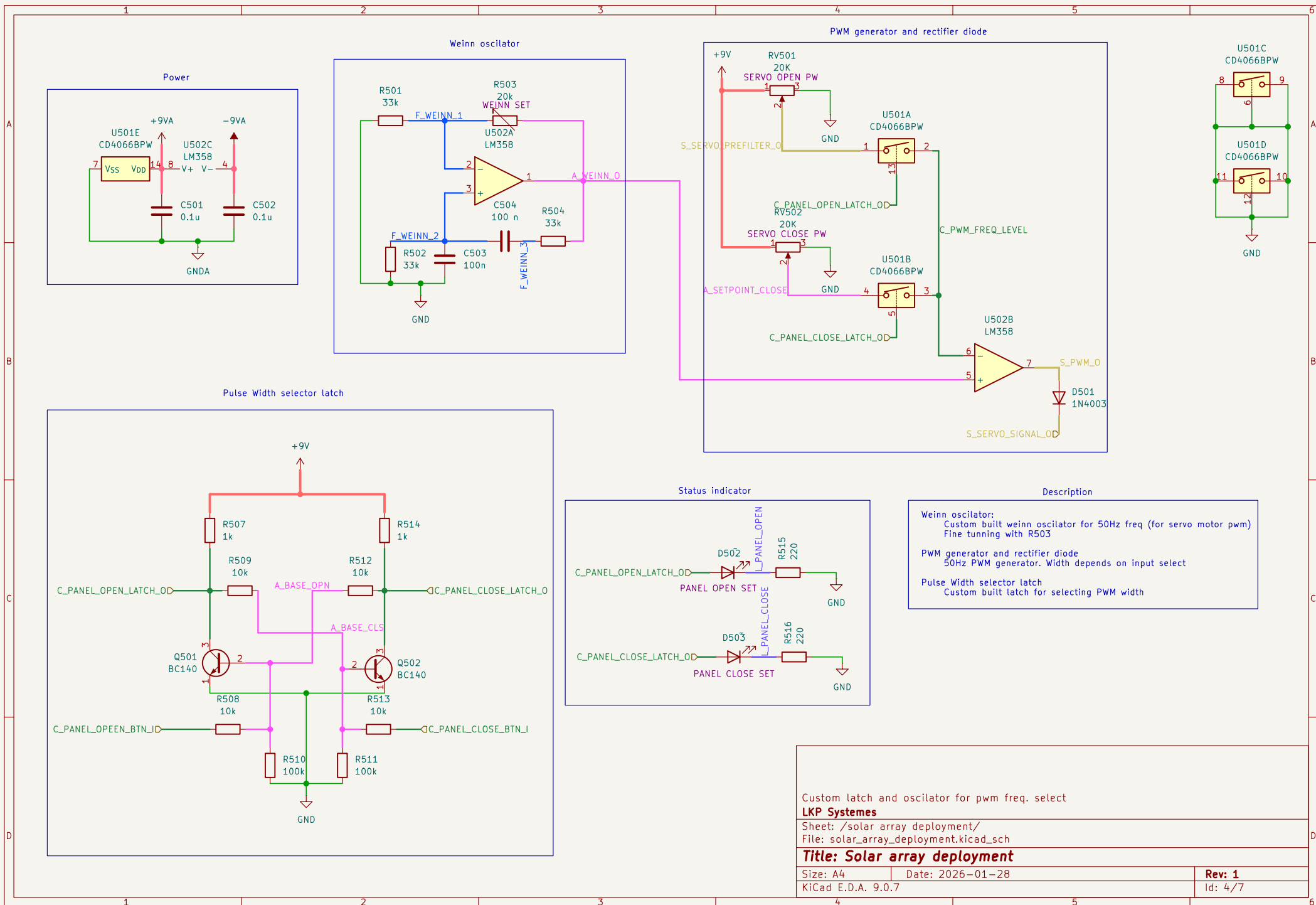
Date: 2026-01-28

Rev: 1

KiCad E.D.A. 9.0.7

Id: 2/7





Custom latch and oscillator for pwm freq. select

**LKP Systemes**

Sheet: /solar array deployment/

File: solar\_array\_deployment.kicad\_sch

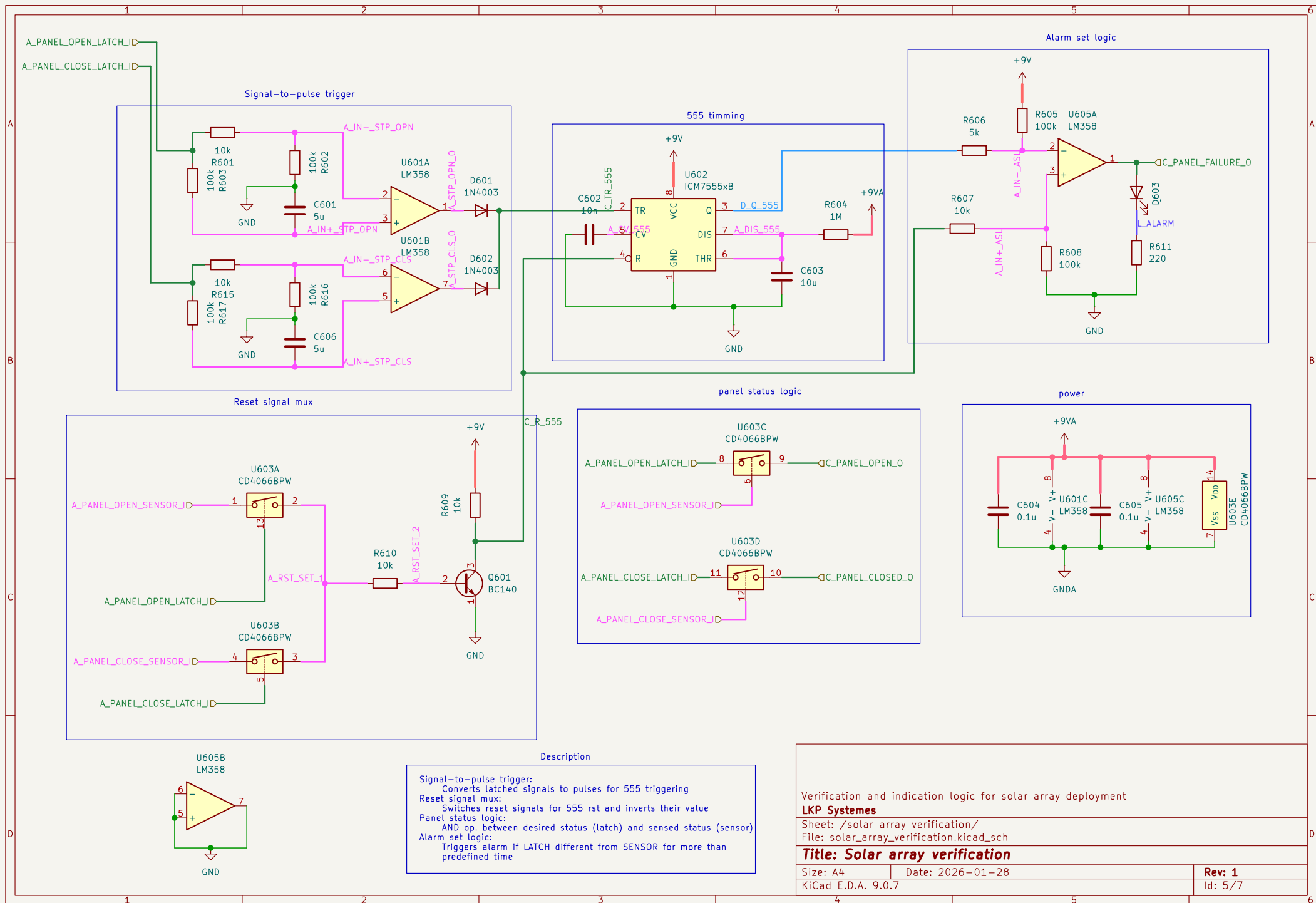
**Title: Solar array deployment**

Size: A4 Date: 2026-01-28

KiCad E.D.A. 9.0.7

**Rev: 1**

Id: 4/7



Verification and indication logic for solar array deployment

**LKP Systemes**

Sheet: /solar array verification/

File: solar\_array\_verification.kicad\_sch

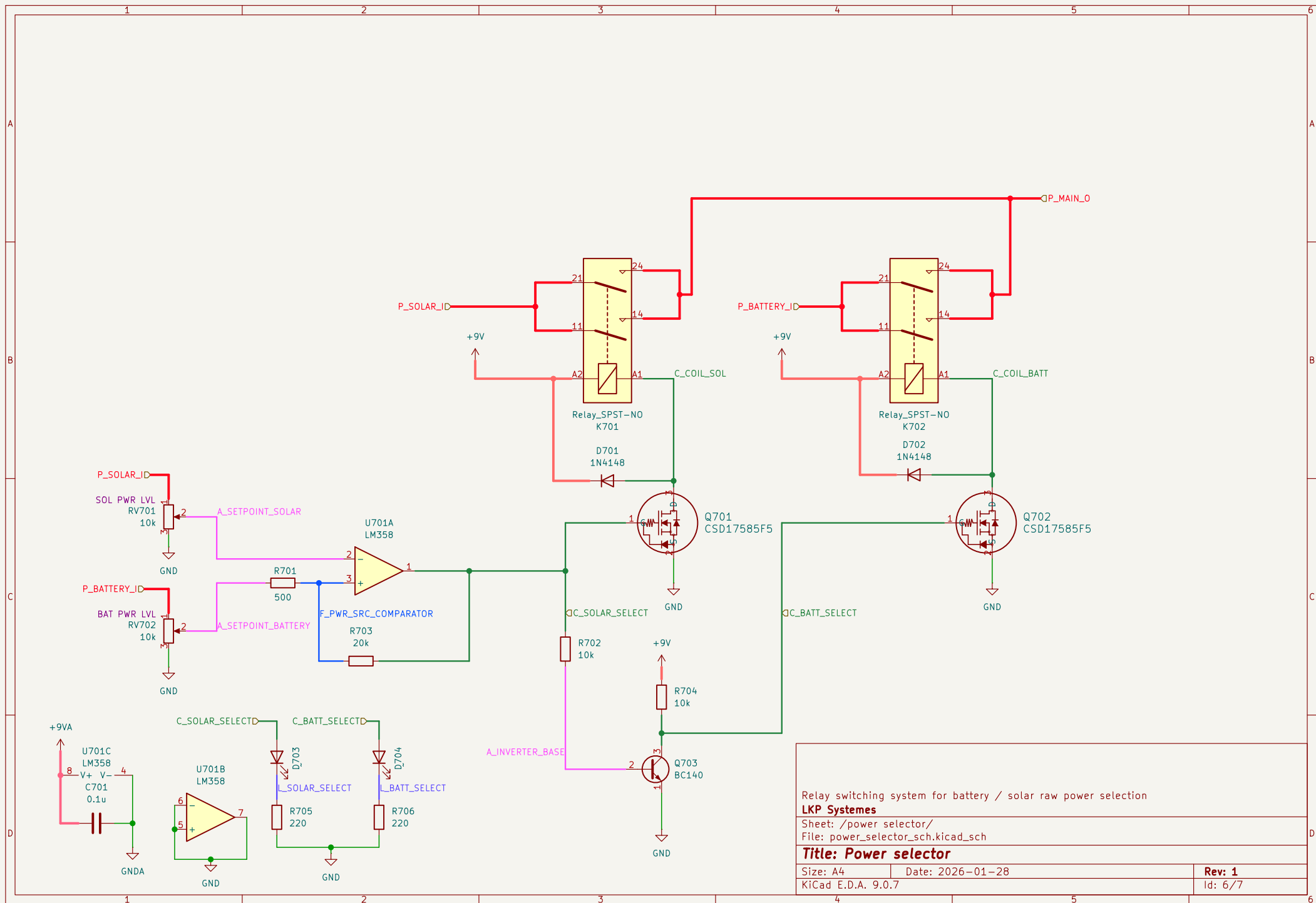
**Title: Solar array verification**

Size: A4 Date: 2026-01-28

KiCad E.D.A. 9.0.7

**Rev: 1**

Id: 5/7



Relay switching system for battery / solar raw power selection

**LKP Systemes**

Sheet: /power selector/

File: power\_selector\_sch.kicad\_sch

**Title: Power selector**

Size: A4

Date: 2026-01-28

Rev: 1

KiCad E.D.A. 9.0.7

Id: 6/7

