ISO1211 isolated PNP input / v12 engineering prototype; no fabrication release

Host5V REQUIRED. Field>=9V gives open-collector LOW; field<=3.5V/open/reversed gives OPEN. SJ1 shipped OPEN. Functional isolation only.

ISO1211:1VCC/2EN=HOST5V,3OUT=STATE,4GND=HOSTGND,5SUB=floating2x2mm,6FGND,7IN,8SENSE. Current562R; threshold100R MELF;10nF input.

R2/C3/Q2 preserve low-going filtered endstop behavior. Prime2590 cable crossed: J2.1->hostpad3, J2.3->hostpad1, GNDstraight. Bench timing/thermal/EMC OPEN.



ISO1211 STUDY: not fabrication-ready, unqualified. Generated from design-contract.json by tools/crea
isolated 10–57.6 V DC PNP/push-pull input conditioner, endstop-compatible open-collector output

Smoothieware / CERN-OHL-S-2.0

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File: input-protector.kicad_sch

Title: Input protector ISO1211

Size: A2	Date: 2026-10-01	**Rev: v12**
KiCad E.D.A. 9.0.8		Id: 1/1