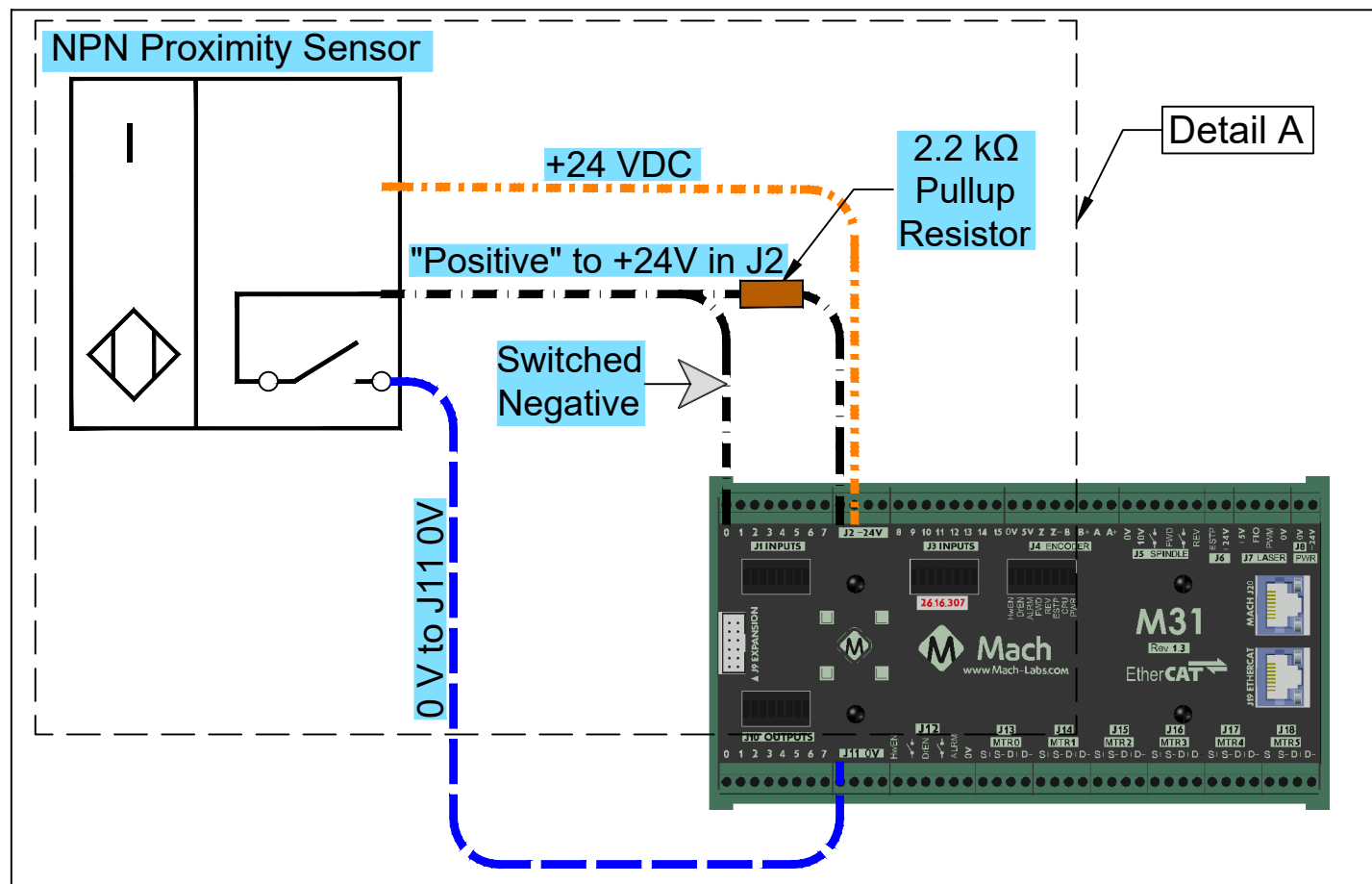
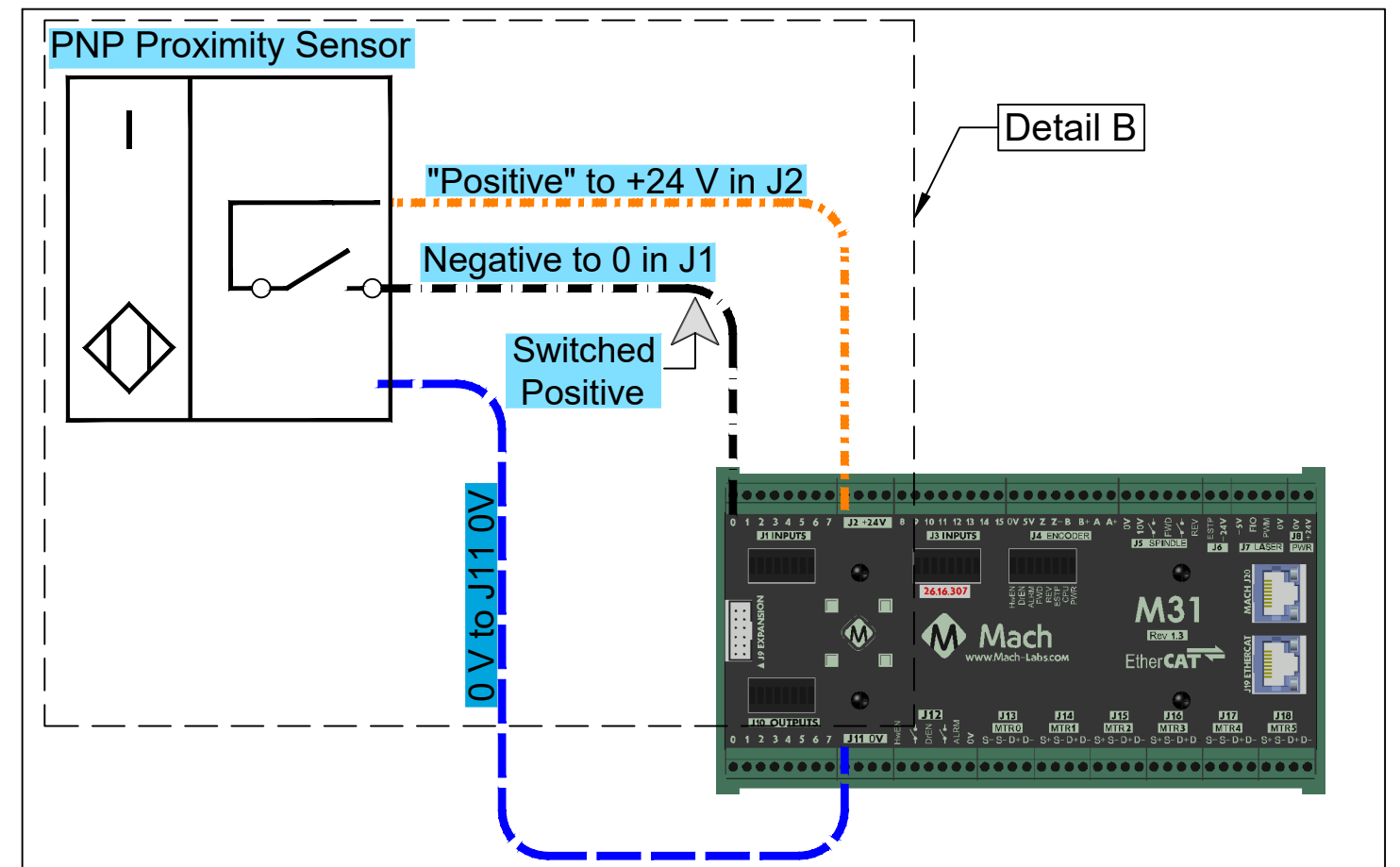


## M31 Wiring to NPN Proximity Switch

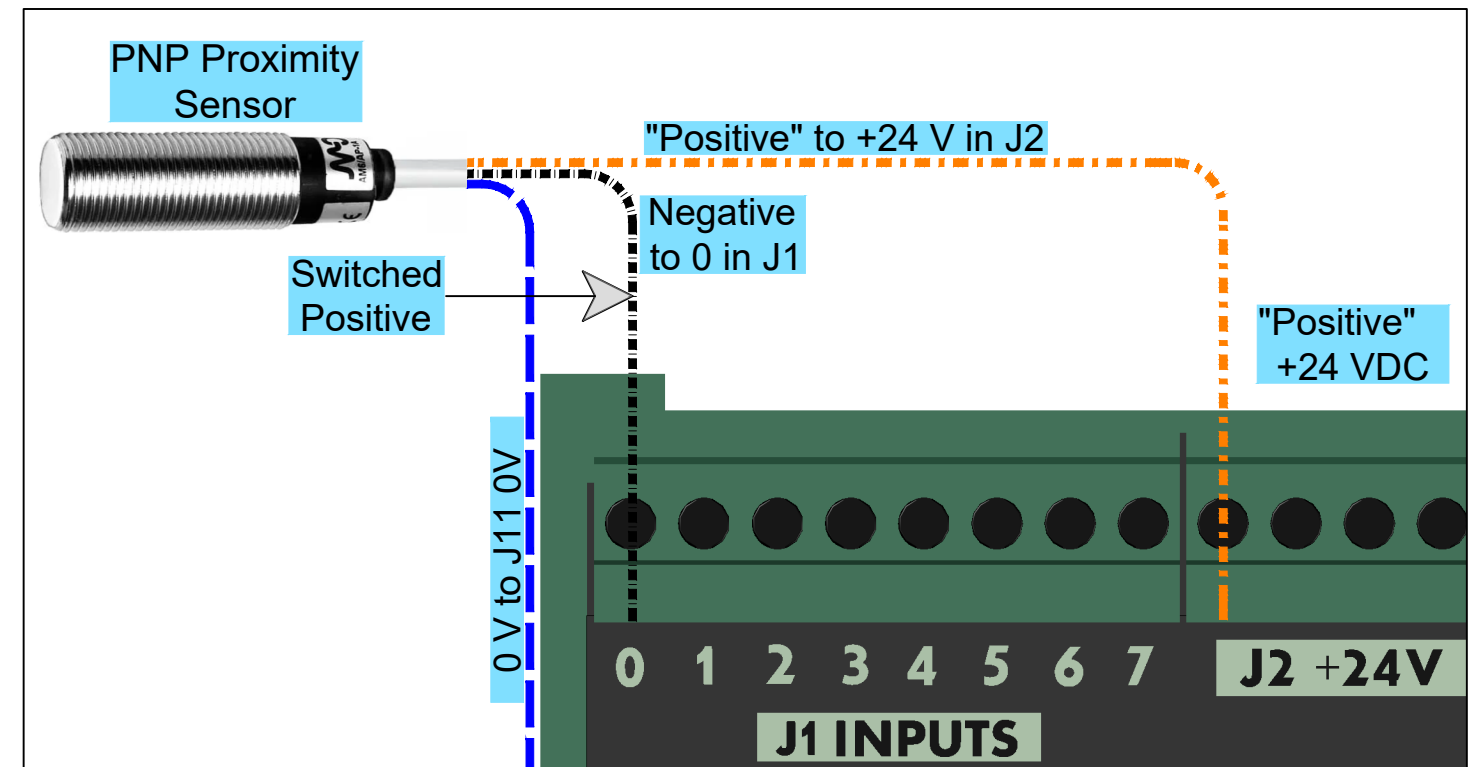
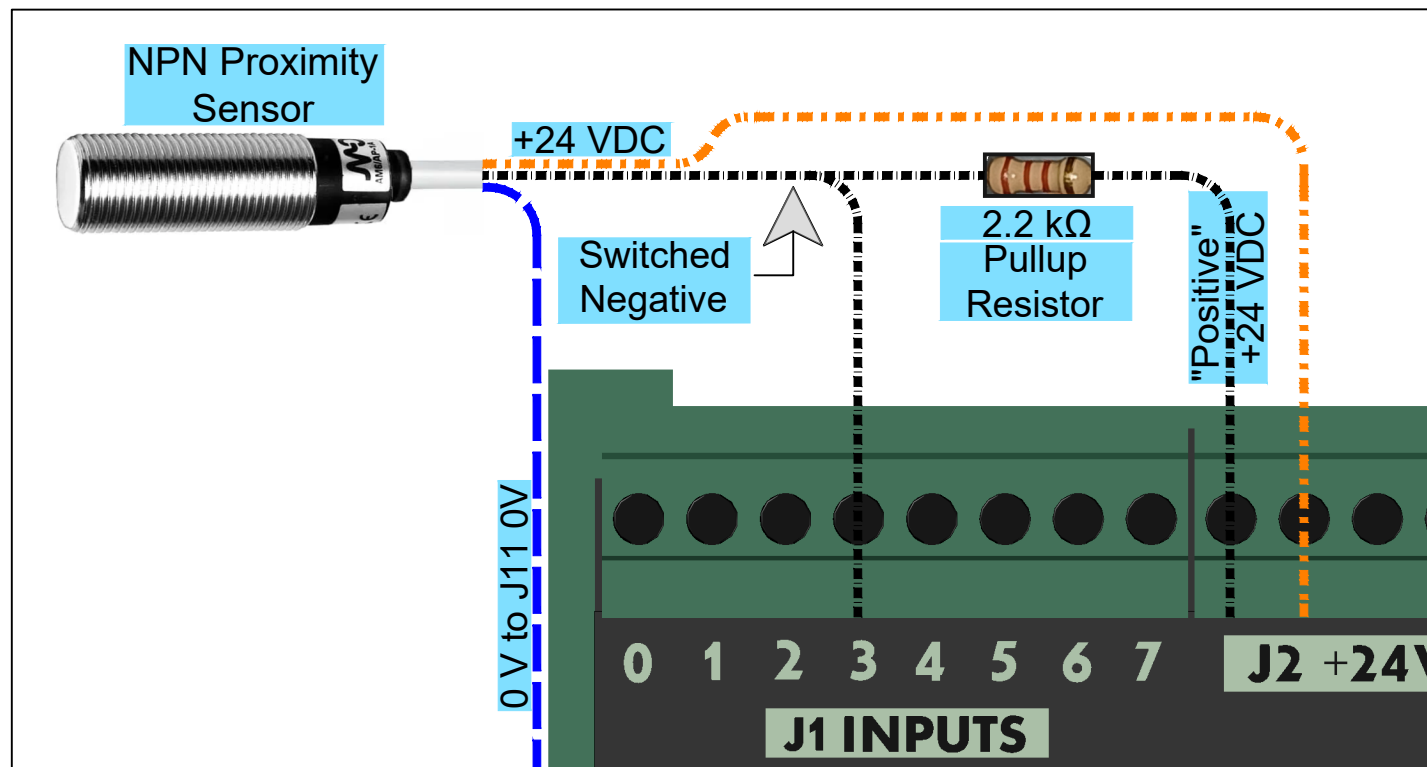


Detail A

## M31 Wiring to PNP Proximity Switch



Detail B



**Note:**

- When the sensor is OFF, the pull-up resistor pulls the pin to +24V (the board reads this as ON or HIGH).
- When the sensor is ON, it connects the pin to ground/0V (the board reads this as OFF or LOW).
- It can be easily handled by just inverting the logic in your EtherCAT controller's software settings!



USA  
14518 County Road 7240  
Newburg, MO 65550  
sales@mach-labs.com

Date	06/17/2026	Developed by:	A.VALIEV	Checked by:	A.MONING	Approved by:	C.ELDRIDGE
A.	Project	Phase	Doc. type	Progr.	Rev.		
M	0	0	0	0	2	K	C S D 0 0 1 A 0
<b>M31 to NPN &amp; PNP PROXIMITY SWITCH</b> Wiring Diagram General Layout							

CAD file No. M-00002-K-CSD-001-A0