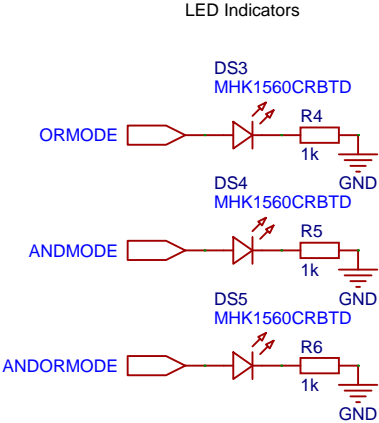
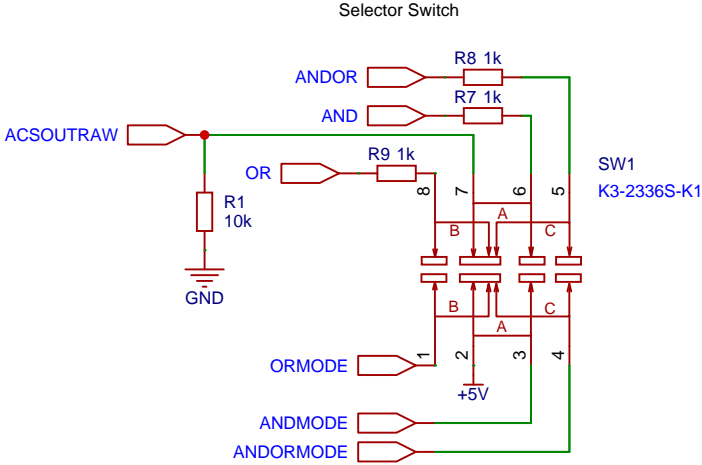
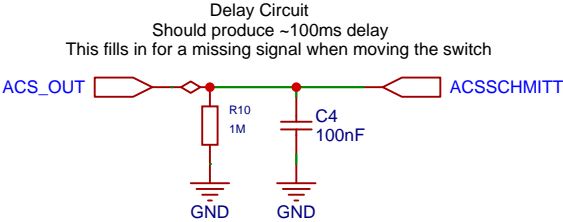
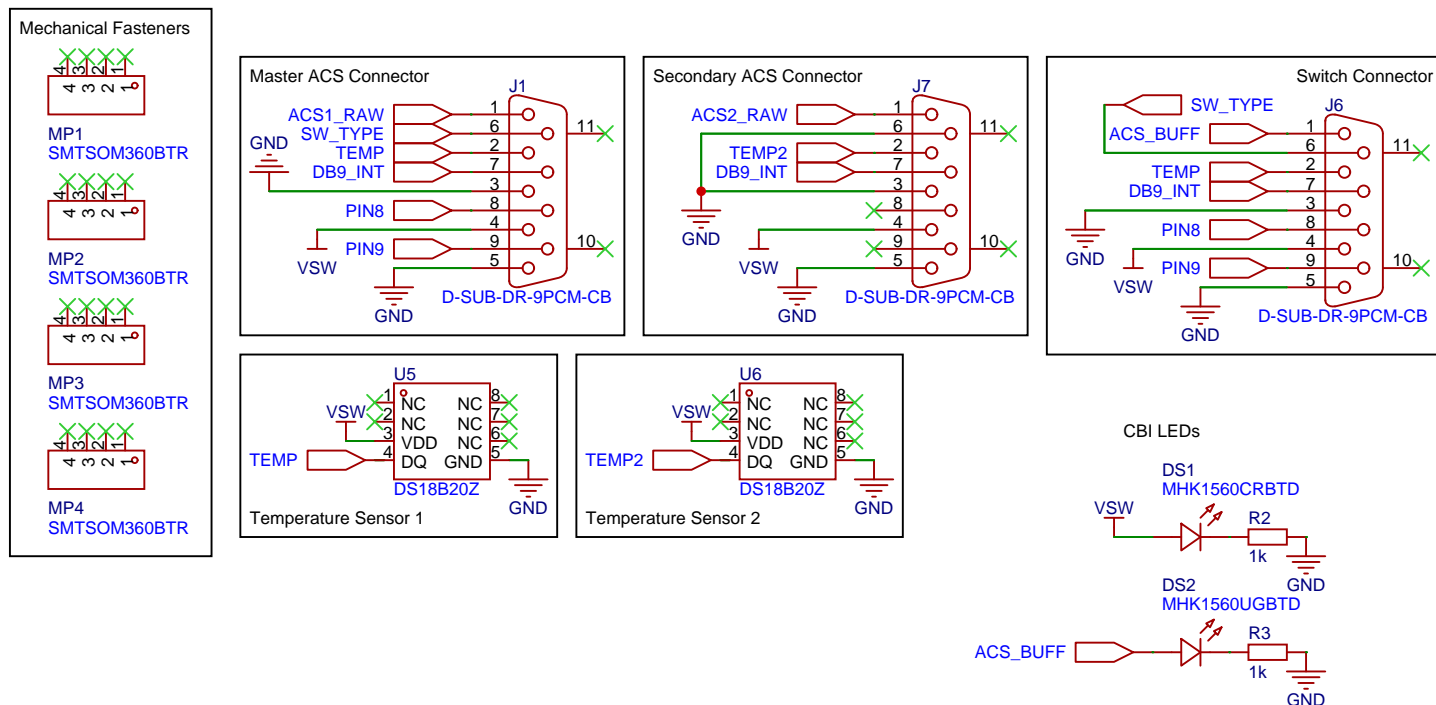


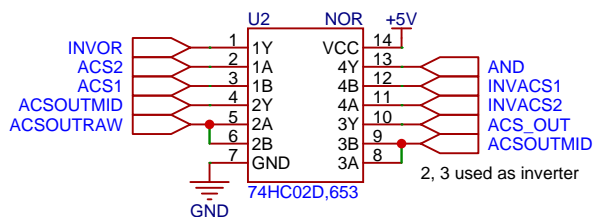
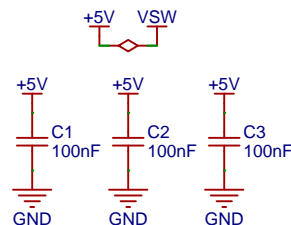
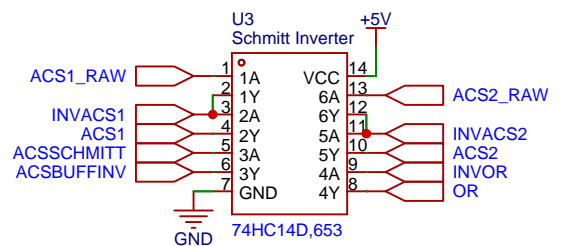
Access Control Logic Connector
The logic connector allows combining 2 ACS readers for more advanced equipment management
Can operate in 3 modes:
AND Mode: Both readers need to be unlocked to unlock the machine
OR Mode: Either reader can unlock the machine
AND OR Mode: Both readers needed to start device, either can keep it running
Mode selection via switch inside
Temperature sensor always connected to port 1



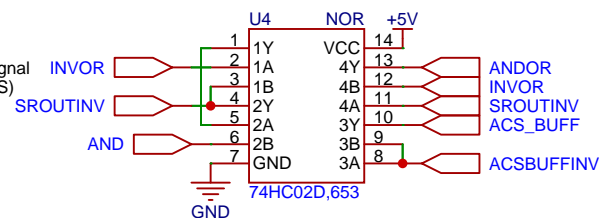
Schematic Page	Mode Select		Page Number	1
Source Link	https://github.com/rit-construct-makerspace/access-control-hardware		Total Pages	3
Last Updated	2025-06-26	Access Control Logic Connector Version 1.1.1		
<div>RIT SHED</div>				
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Schematic Page	Connectors		Page Number	2
Source Link	https://github.com/rit-construct-makerspace/access-control-hardware		Total Pages	3
Last Updated	2025-06-26	<div>Access Control Logic Connector</div> <div>Version 1.1.1</div> <div>Licensed Under CERN-OHL-S 2.0</div>		
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SR Latch:
SET by and signal
RESET by invor signal
(NOR of both ACS)



TODO: Change ANDOR to make it so the "master" device always turn it on, and the "secondary" device can keep it on

Schematic Page	Logic		Page Number	3
Source Link	https://github.com/rit-construct-makeworkspace/access-control-hardware		Total Pages	3
Last Updated	2025-06-26	<div>Access Control Logic Connector</div> <div>Version 1.1.1</div> <div>Licensed Under CERN-OHL-S 2.0</div>		
<div>RIT</div> <div>SHED</div>				