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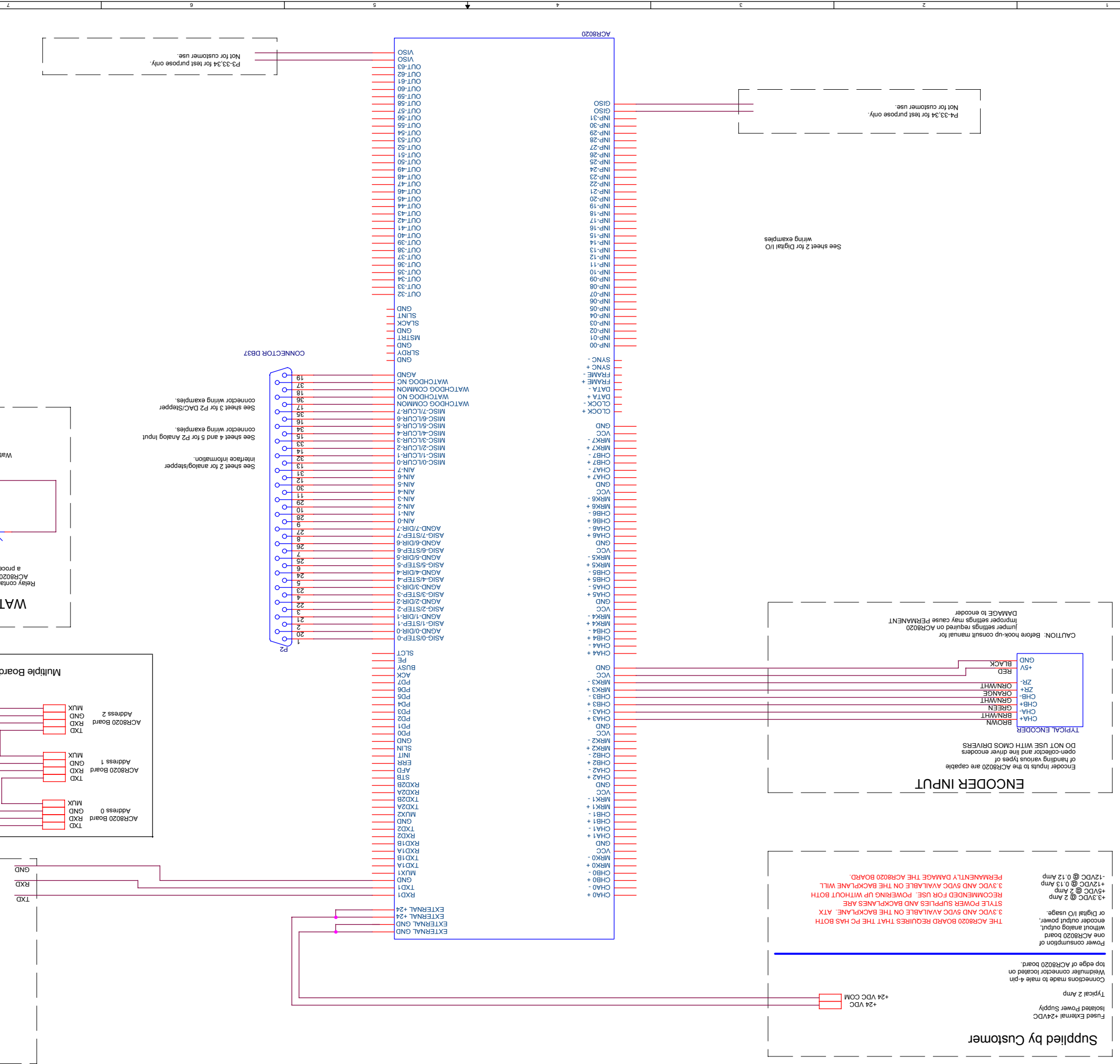
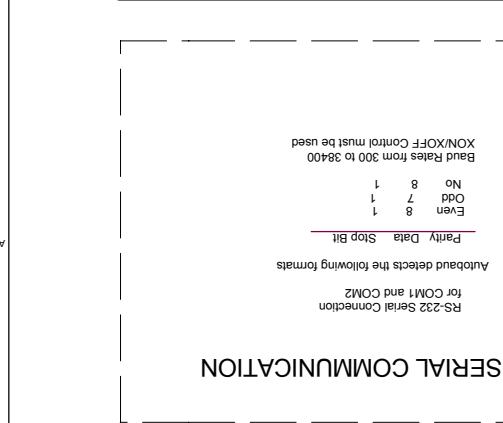
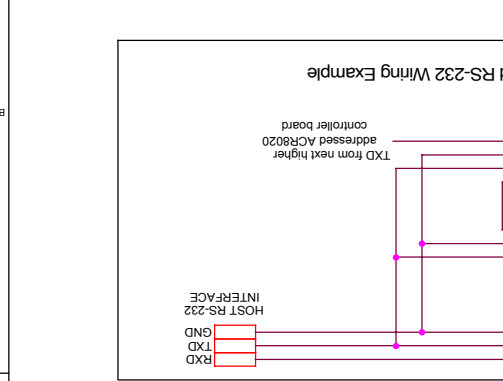
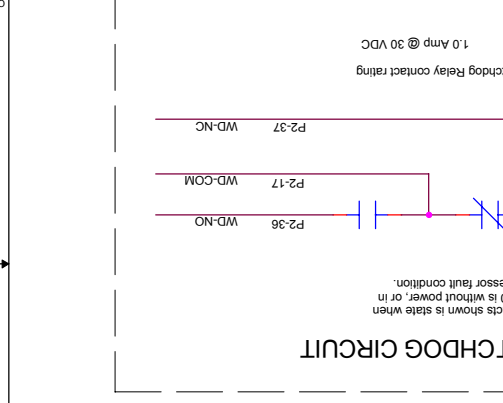
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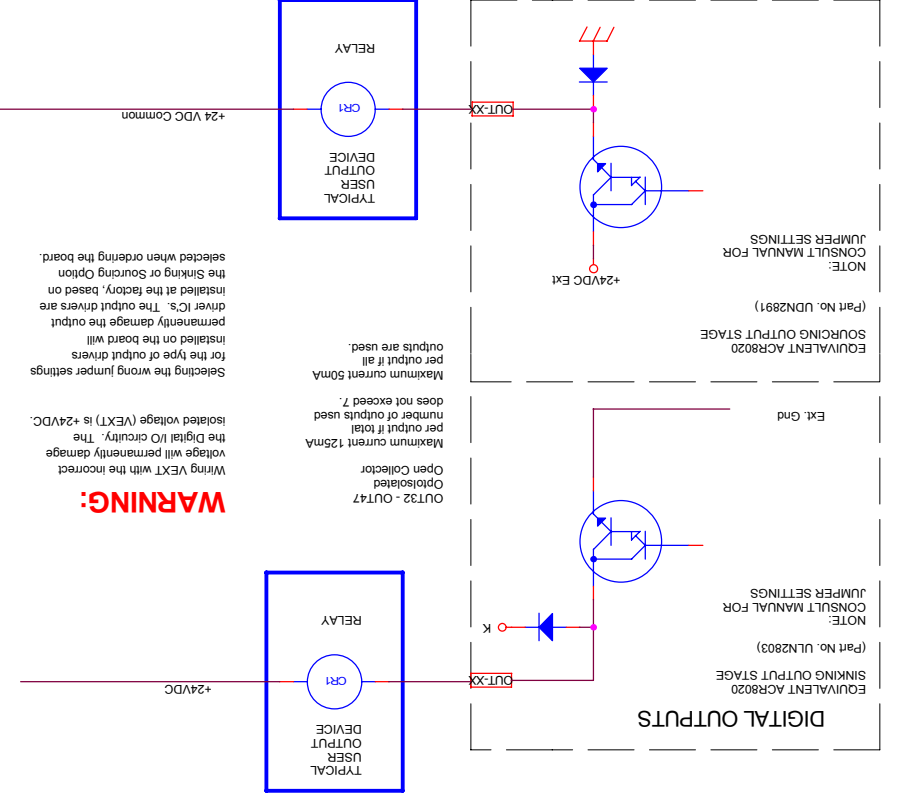
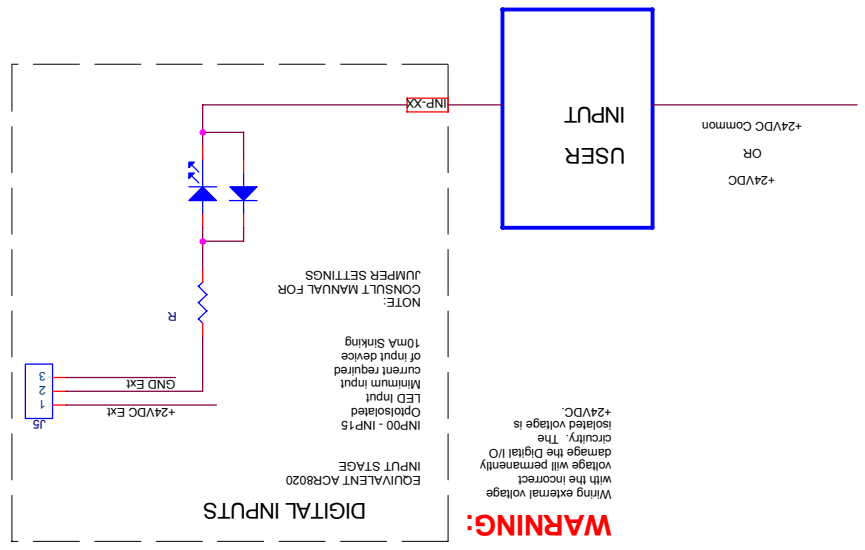
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 3650 Chestnut Street, North
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 USA 55318

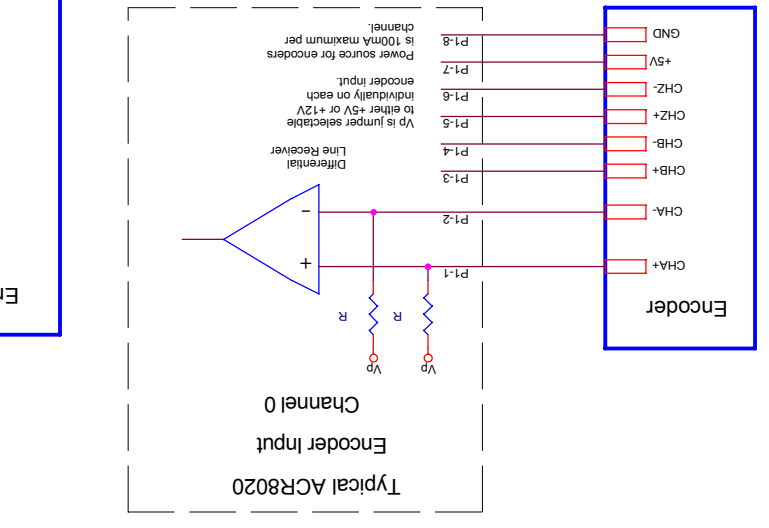
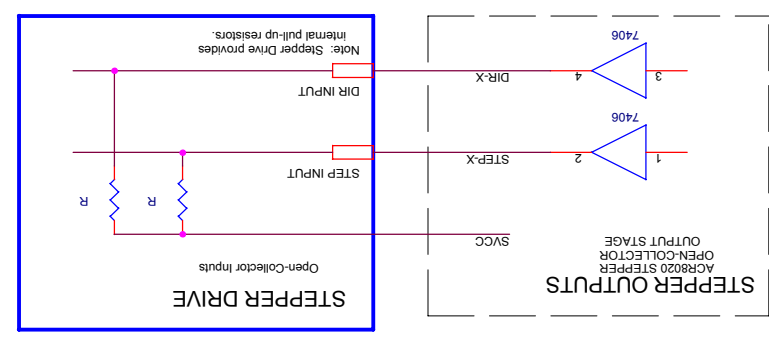
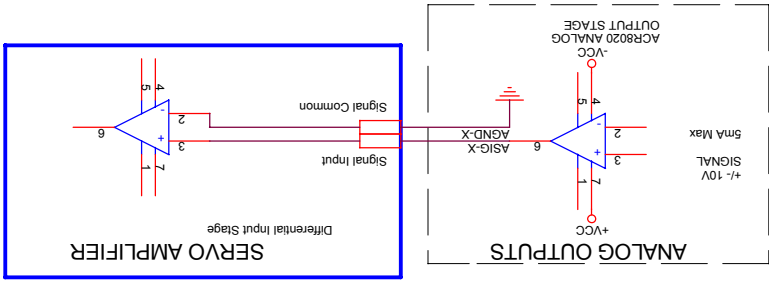
See sheet 2 for Digital I/O wiring examples
 Not for customer use.



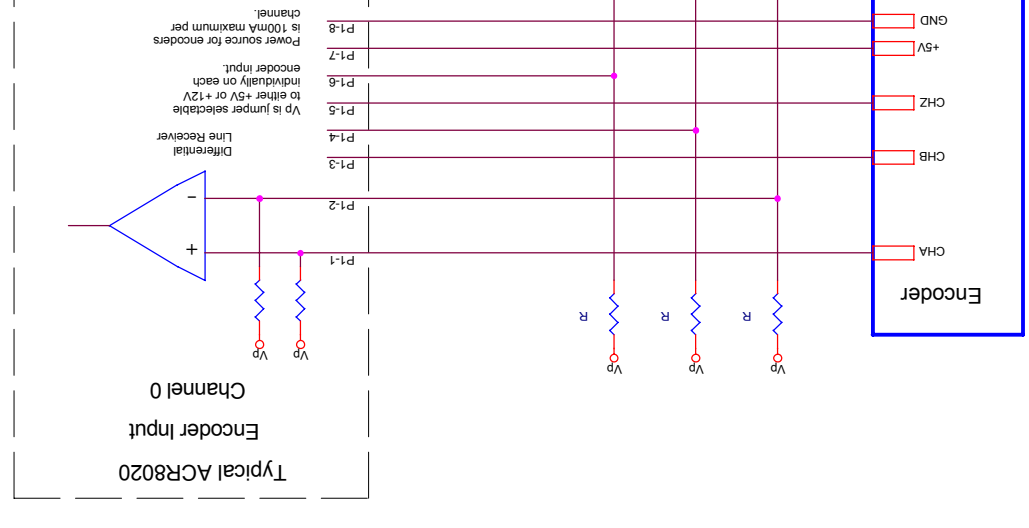
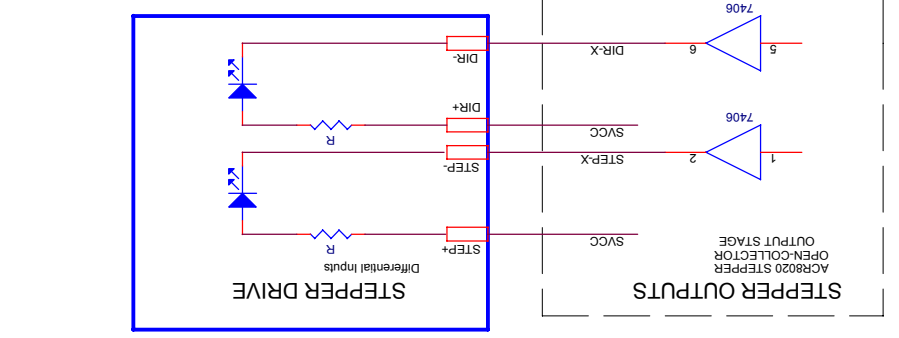
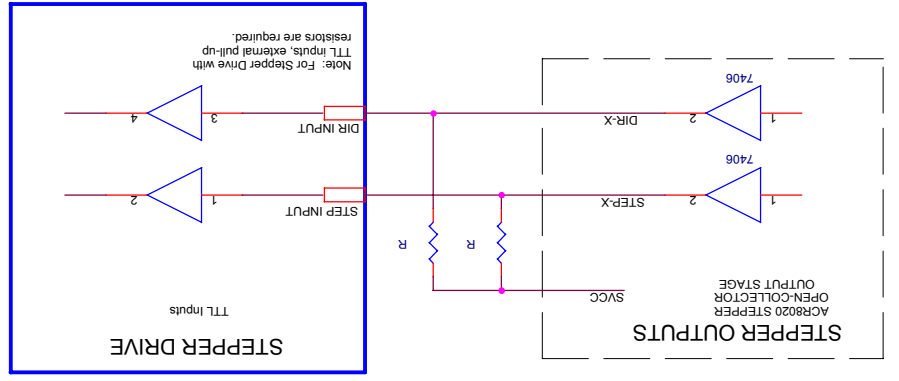
Digital I/O Wiring



Analogue/Stepper Wiring



Encoder Wiring



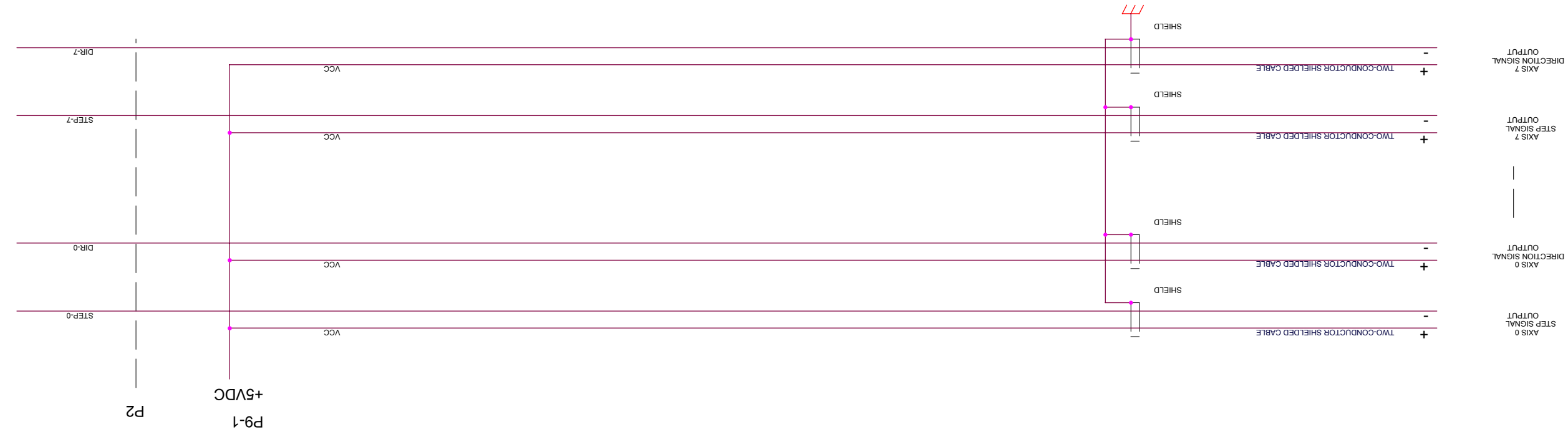
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Sheet:	2 of 6
Size:	C
Document Number:	ACR81KID2 SCH
Rev:	A
Title:	ACR8020 WIRING EXAMPLE
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ANALOG P2 CONNECTOR OUTPUT WIRING EXAMPLE

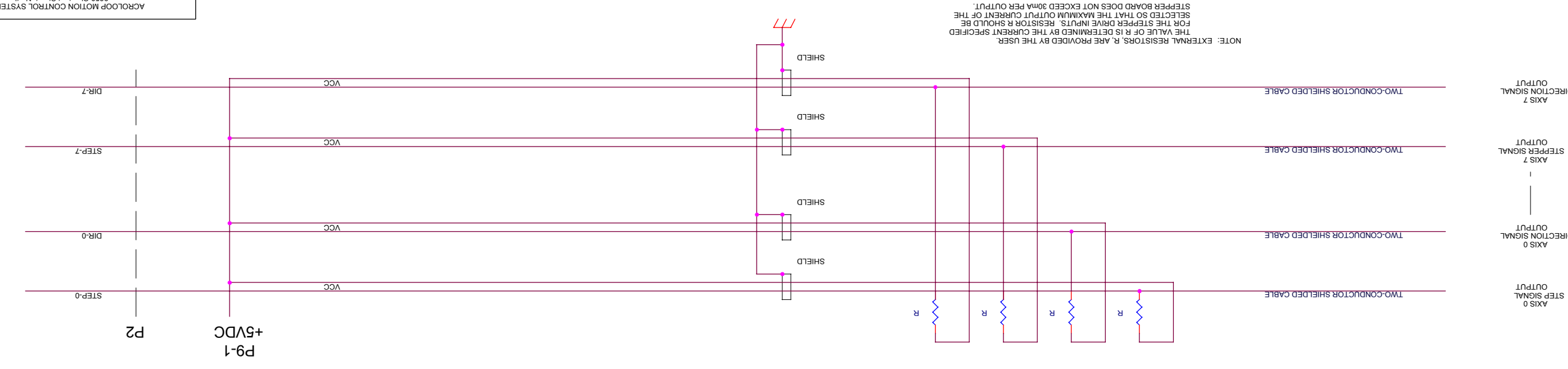


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Sheet 3 of 6	

STEPPER P2 CONNECTOR DIFFERENTIAL OUTPUT WIRING EXAMPLE (OPEN-COLLECTOR OUTPUTS PULLED-UP THRU STEPPER DRIVE INPUTS)



STEPPER P2 CONNECTOR SINGLE-ENDED OUTPUT WIRING EXAMPLE (OPEN-COLLECTOR OUTPUTS PULLED-UP TO +5V THRU EXTERNAL RESISTORS)



Title		ACR08020 STEPPER WIRING EXAMPLE	
Size	Document Number	ACR081K1D4 SCH	
C	REV	A	
Date: Saturday, December 08, 2001			
Sheet 4 of 6			

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ANALOG P2 CONNECTOR INPUT WIRING
DIFFERENTIAL WIRING EXAMPLE

ANALOG TO DIGITAL INPUTS (AIN0 - AIN7) CAN BE USED AS DIFFERENTIAL OR SINGLE-ENDED INPUTS. ANY COMBINATION MAY BE USED.

IF USED AS DIFFERENTIAL INPUTS, TWO INPUTS ARE USED AS SHOWN USING AIN0-AIN1 & AIN2-AIN3. FOUR DIFFERENTIAL INPUT SIGNALS MAY BE USED WITH AN ACR8020.

IF USED AS SINGLE-ENDED INPUTS, ONE INPUT IS USED IN CONNECTION WITH AIN-COM. EIGHT SINGLE-ENDED INPUT SIGNALS MAY BE USED WITH AN ACR8020.

SEE SHEET # FOR SINGLE ENDED WIRING EXAMPLE.

DIFFERENTIAL INPUT PAIRS

+ AIN0 - AIN1
- AIN2 - AIN3
+ AIN4 - AIN5
- AIN6 - AIN7



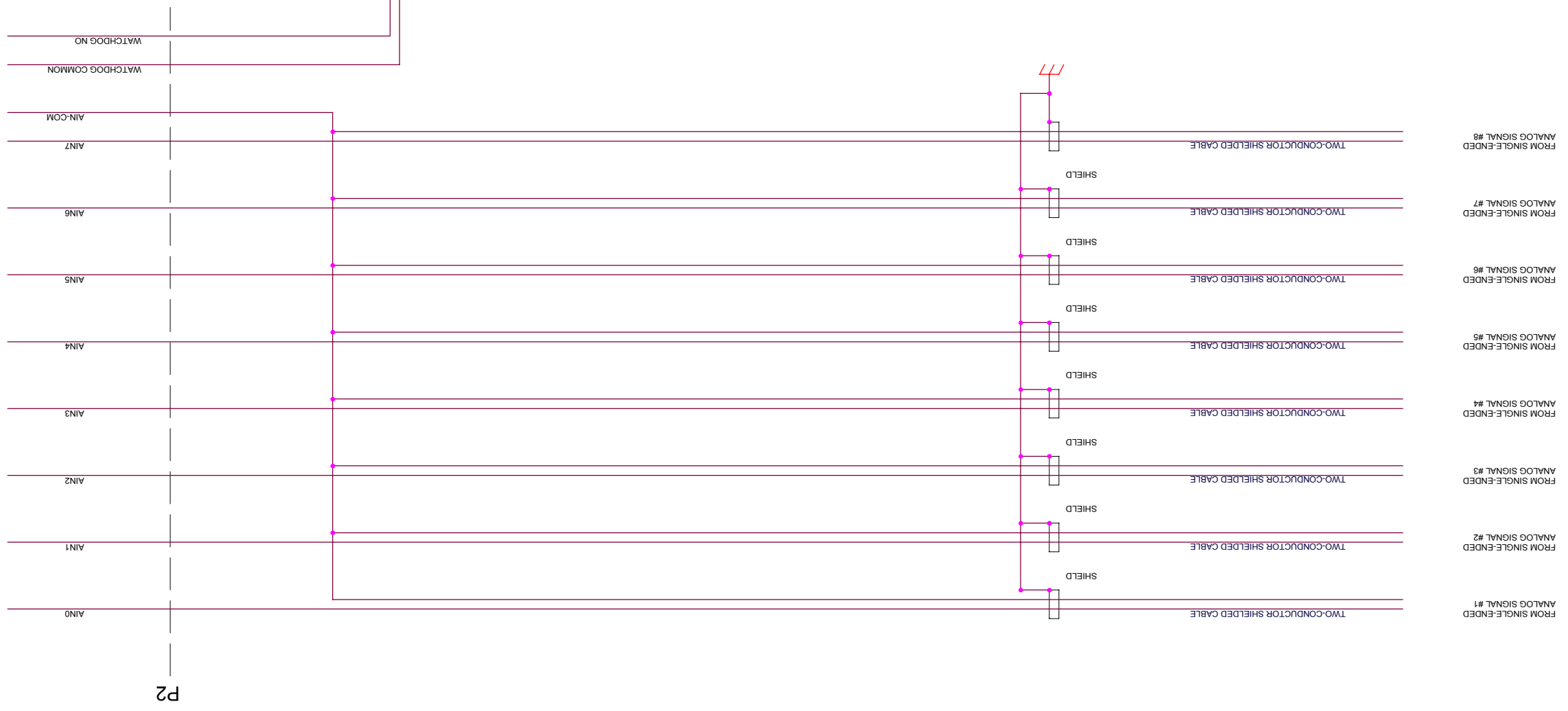
WATCHDOG CIRCUIT
TO SERVO DRIVE
SAFETY INTERLOCK
CIRCUIT

WATCHDOG CONTACTS USED TO DISABLE SERVO DRIVE
UNTIL ACR8020 CONTROLLER HAS FULL CONTROL
OF ALL DIGITAL AND ANALOG SIGNALS TO PREVENT
POSSIBLE MOTOR SURGE ON INITIAL START-UP

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Size	Document Number
C	ACR81KIDS.SCH
Rev	
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Date: Saturday, December 08, 2001
Sheet 5 of 6

ANALOG P2 CONNECTOR INPUT WIRING
SINGLE-ENDED WIRING EXAMPLE



WATCHDOG CONTACTS USED TO DISABLE SERVO DRIVE
UNTIL ACR8020 CONTROLLER HAS FULL CONTROL
OF ALL DIGITAL AND ANALOG SIGNALS TO PREVENT
POSSIBLE MOTOR SURGE ON INITIAL START-UP

TO SERVO DRIVE
SAFETY INTERLOCK
CIRCUIT

WATCHDOG CIRCUIT

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ACR8020 WIRING EXAMPLE	
Size	Document Number
C	ACR81KID6.SCH
Rev	
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Date: Saturday, December 08, 2001	
Sheet 6 of 6	

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