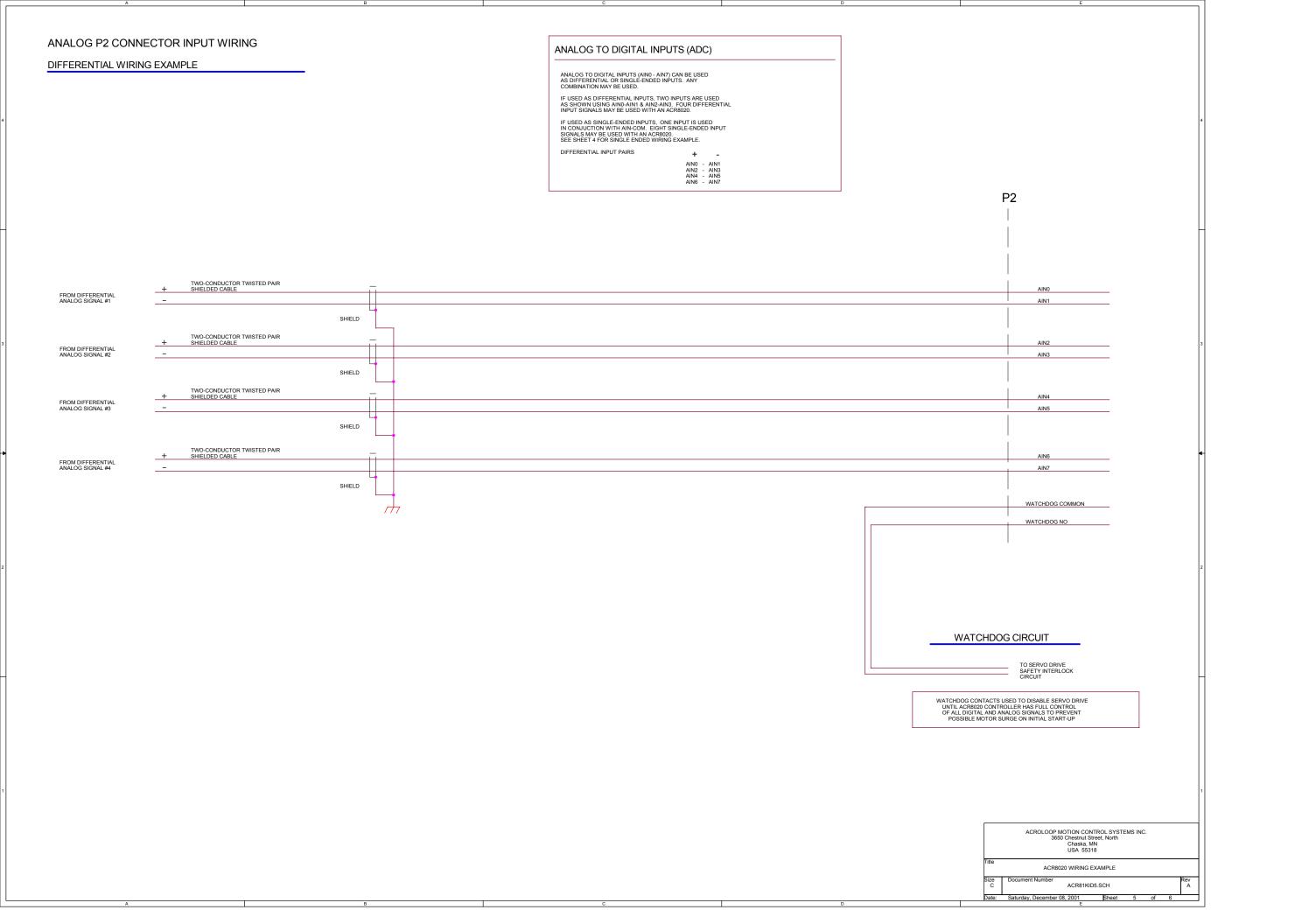


ANALOG P2 CONNECTOR OUTPUT WIRING EXAMPLE P2 AXIS 0 ANALOG SIGNAL OUTPUT TWO-CONDUCTOR SHIELDED CABLE ASIG-0 AGND-0 SHIELD AXIS 1 ANALOG SIGNAL OUTPUT TWO-CONDUCTOR SHIELDED CABLE SHIELD AXIS 2 ANALOG SIGNAL OUTPUT ASIG-2 AGND-2 TWO-CONDUCTOR SHIELDED CABLE SHIELD AXIS 3 ANALOG SIGNAL OUTPUT TWO-CONDUCTOR SHIELDED CABLE SHIELD AXIS 4 ANALOG SIGNAL OUTPUT TWO-CONDUCTOR SHIELDED CABLE ASIG-4 AGND-4 SHIELD AXIS 5 ANALOG SIGNAL OUTPUT TWO-CONDUCTOR SHIELDED CABLE SHIELD AXIS 6 ANALOG SIGNAL OUTPUT TWO-CONDUCTOR SHIELDED CABLE SHIELD AXIS 7 ANALOG SIGNAL OUTPUT TWO-CONDUCTOR SHIELDED CABLE SHIELD ACROLOOP MOTION CONTROL SYSTEMS INC. 3650 Chestnut Street, North Chaska, MN USA 55318 ACR8020 ANALOG OUTPUT WIRING EXAMPLE ACR81KID3.SCH

STEPPER P2 CONNECTOR DIFFERENTIAL OUTPUT WIRING EXAMPLE (OPEN-COLLECTOR OUTPUTS PULLED-UP THRU STEPPER DRIVE INPUTS) P9-1 P2 +5VDC AXIS 0 STEP SIGNAL OUTPUT TWO-CONDUCTOR SHIELDED CABLE STEP-0 AXIS 0 DIRECTION SIGNAL OUTPUT TWO-CONDUCTOR SHIELDED CABLE DIR-0 SHIELD TWO-CONDUCTOR SHIELDED CABLE SHIELD AXIS 7 DIRECTION SIGNAL OUTPUT TWO-CONDUCTOR SHIELDED CABLE STEPPER P2 CONNECTOR SINGLE-ENDED OUTPUT WIRING EXAMPLE (OPEN-COLLECTOR OUTPUTS PULLED-UP TO +5V THRU EXTERNAL RESISTORS) P9-1 +5VDC P2 AXIS 0 STEP SIGNAL OUTPUT STEP-0 TWO-CONDUCTOR SHIELDED CABLE TWO-CONDUCTOR SHIELDED CABLE SHIELD AXIS 7 STEPPER SIGNAL OUTPUT TWO-CONDUCTOR SHIELDED CABLE AXIS 7 DIRECTION SIGNAL OUTPUT SHIELD NOTE: EXTERNAL RESISTORS, R. ARE PROVIDED BY THE USER.

THE VALUE OF R IS DETERMINED BY THE CURRENT SPECIFIED FOR THE STEPPER DRIVE INPUTS. RESISTOR R SHOULD BE SELECTED SO THAT THE MAXIMUM OUTPUT CURRENT OF THE STEPPER BOARD DOES NOT EXCEED 30mA PER OUTPUT. ACROLOOP MOTION CONTROL SYSTEMS INC. 3650 Chestnut Street, North Chaska, MN USA 55318 ACR8020 STEPPER WIRING EXAMPLE Document Number ACR81KID4.SCH



ANALOG P2 CONNECTOR INPUT WIRING SINGLE-ENDED WIRING EXAMPLE P2 FROM SINGLE-ENDED ANALOG SIGNAL #1 TWO-CONDUCTOR SHIELDED CABLE SHIELD FROM SINGLE-ENDED ANALOG SIGNAL #2 TWO-CONDUCTOR SHIELDED CABLE FROM SINGLE-ENDED ANALOG SIGNAL #3 TWO-CONDUCTOR SHIELDED CABLE AIN2 SHIELD FROM SINGLE-ENDED ANALOG SIGNAL #4 TWO-CONDUCTOR SHIELDED CABLE SHIELD FROM SINGLE-ENDED ANALOG SIGNAL #5 TWO-CONDUCTOR SHIELDED CABLE SHIELD FROM SINGLE-ENDED ANALOG SIGNAL #6 TWO-CONDUCTOR SHIELDED CABLE SHIELD TWO-CONDUCTOR SHIELDED CABLE SHIELD FROM SINGLE-ENDED ANALOG SIGNAL #8 TWO-CONDUCTOR SHIELDED CABLE AIN-COM WATCHDOG COMMON WATCHDOG NO 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 ACROLOOP MOTION CONTROL SYSTEMS INC. 3650 Chestnut Street, North Chaska, MN USA 55318 ACR8020 WIRING EXAMPLE Document Number

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