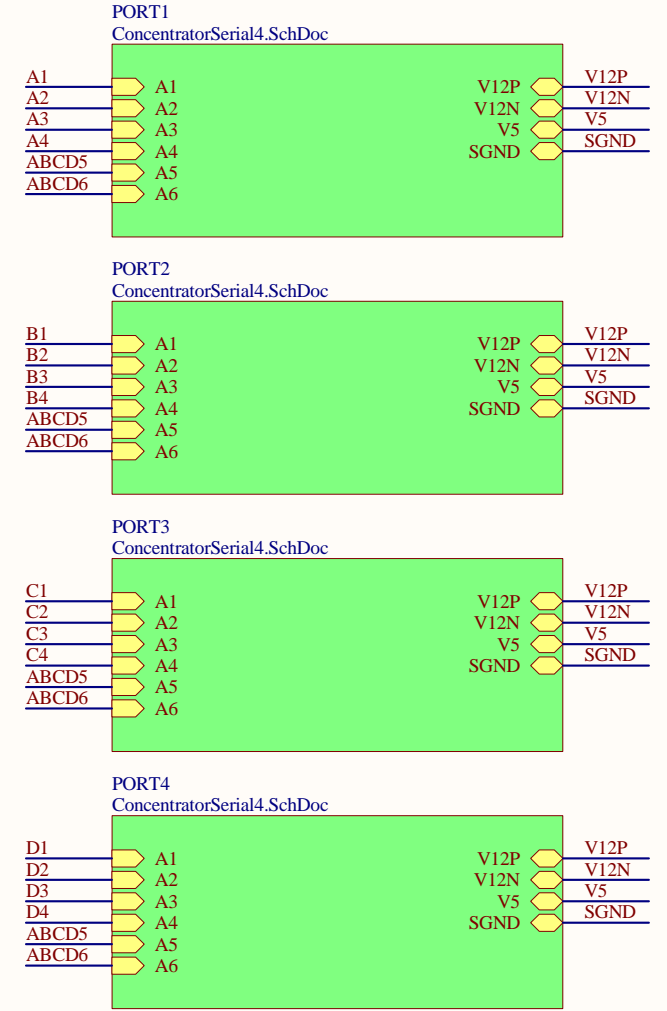
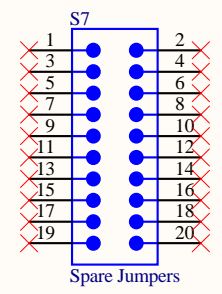
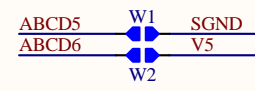
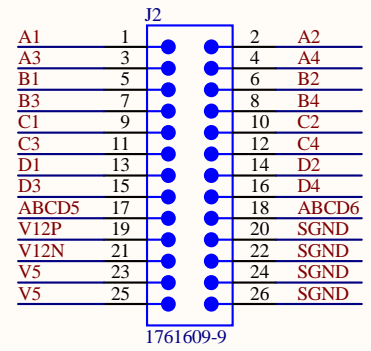
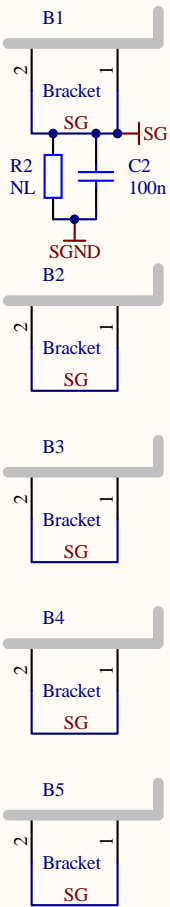


- H13 #4 screw, 3/8"
- H14 #4 screw, 3/8"
- H15 #4 lock washer
- H16 #4 lock washer
- H17 #4 nut
- H18 #4 nut
- H19 #4 screw, 3/8"
- H20 #4 screw, 3/8"
- H21 #4 lock washer
- H22 #4 lock washer
- H23 #4 nut
- H24 #4 nut
- H25 #4 screw, 3/8"
- H26 #4 screw, 3/8"
- H27 #4 lock washer
- H28 #4 lock washer
- H29 #4 nut
- H30 #4 nut

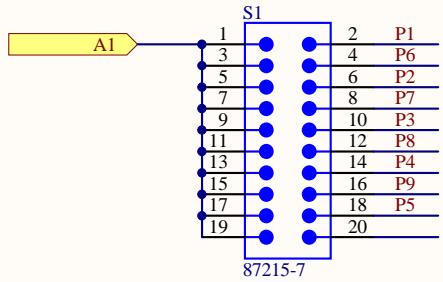
- H1 #4 screw, 3/8"
- H2 #4 screw, 3/8"
- McMaster-Carr 90272A108
- H3 #4 lock washer
- H4 #4 lock washer
- McMaster-Carr 91113A005
- H5 #4 nut
- H6 #4 nut
- McMaster-Carr 90480A005
- H7 #4 screw, 3/8"
- H8 #4 screw, 3/8"
- H9 #4 lock washer
- H10 #4 lock washer
- H11 #4 nut
- H12 #4 nut



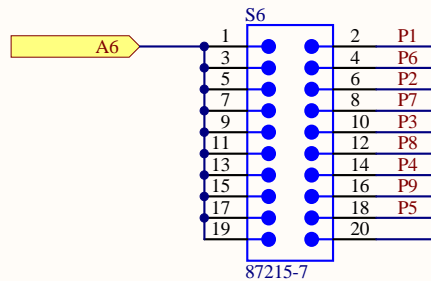
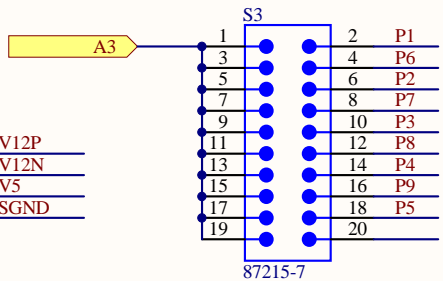
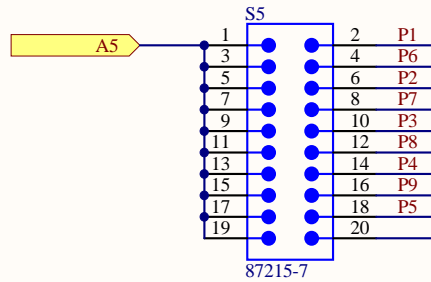
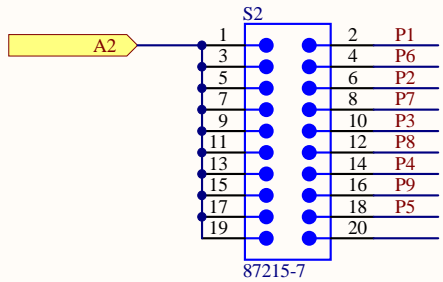
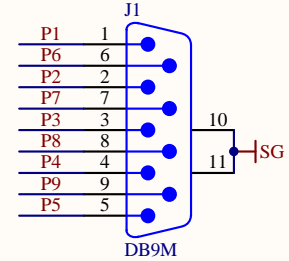
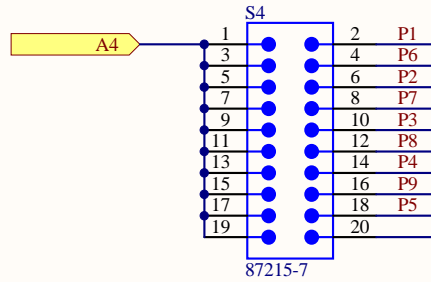
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Size	Number	Revision			
A	D1100637	1			
Date:	5/5/2011	Sheet 1 of 2			
File:	C:\Users\...\ConcentratorSerial3.SchDoc	Drawn By:		Daniel Sigg	

Use jumper headers S1 through S6 to select the D-sub pin-out:
 Headers S1, S2, S3, S4, S5 and S6 assign A1, A2, A3, A4, ABCD5 and ABCD5, respectively.
 First jumper is pin 1 of the 9-pin D-sub, followed by pin 6, 2, 7, 3, 8, 4, 9 and 5.

Jumper headers



Jumper headers



Jumpers for PC RS232:
 A1/pin 2 - Rx
 A2/pin 7 - RTS
 A3/pin 3 - Tx
 A4/pin 8 - CTS
 ABCD5/pin 5 - GND (A or B)
 ABCD6/pin 5 - GND (C or D)

For 3-wire RS232
 with A4 jumpered to GND:
 A1/pin 2 - Rx
 A3/pin 3 - Tx
 A4/pin 5 - GND

Jumpers for Timing RS422:
 A1/pin 2 - Tx+
 A2/pin 7 - Tx-
 A3/pin 1 - Rx+
 A4/pin 6 - Rx-

RS422/RS485 termination, RS485 bias voltage and RS485 readback are set in the EtherCAT adapter.

RS232 that require DSR/DTR need to use the second ABCD common line.

RS232:
 A1 - Rx
 A2 - RTS
 A3 - Tx
 A4 - CTS
 ABCD5 - GND (A or B)
 ABCD6 - GND (C or D)

RS422/RS485:
 A1 - Tx+
 A2 - Tx-
 A3 - Rx+
 A4 - Rx-

Grounding of EL6002/EL6022 terminals:
 The E-Bus ground is separated from the D-sub grounds.
 The grounds of channel 1 and 2 are separated from each other and floating.

Title			
Controls Concentrator RF Amp			
Size	Number	Revision	
A	D1100637	1	
Date:	5/5/2011	Sheet	3 of 3
File:	C:\Users\...\ConcentratorSerial4.SchDoc	Drawn By:	Daniel Sigg