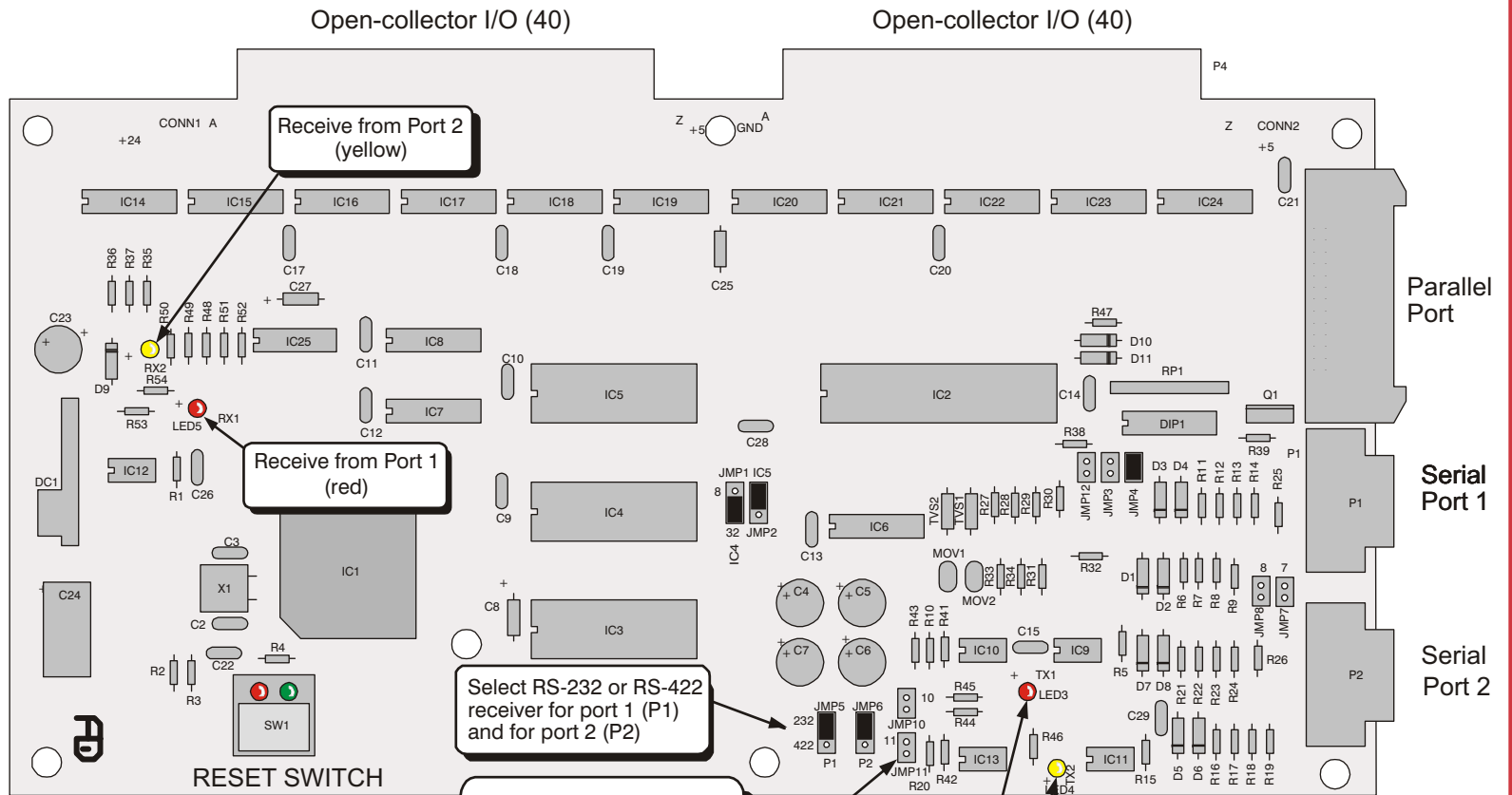


Z-Card Serial Communications Jumpers & LEDs

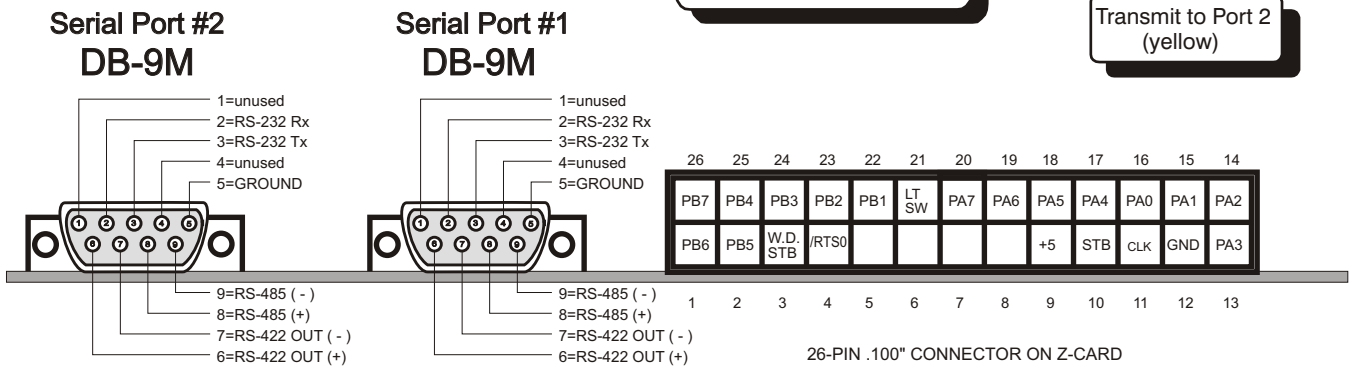


Select RS-232 or RS-422 receiver for port 1 (P1) and for port 2 (P2)

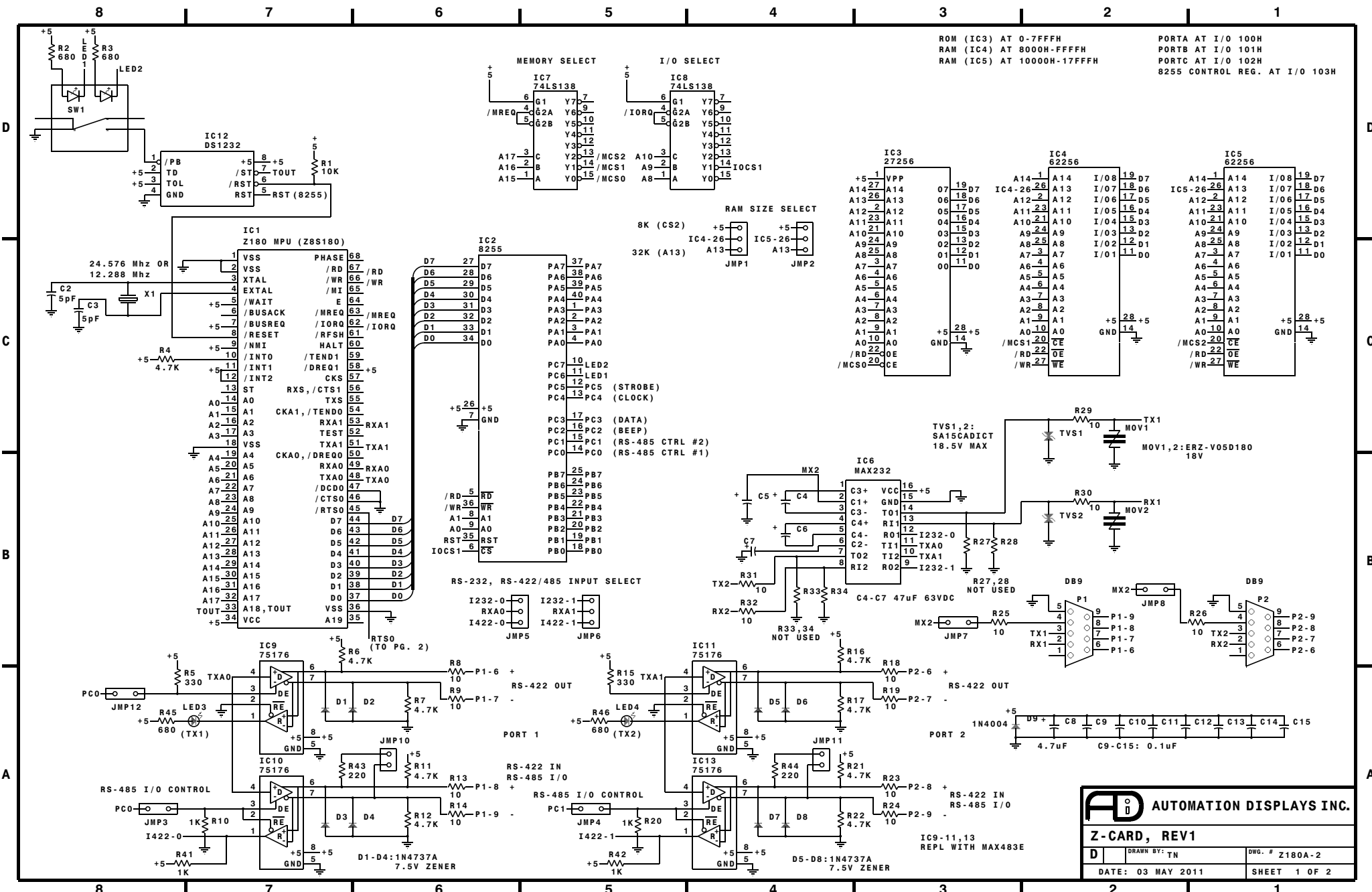
Install these jumpers to terminate end-of-line.
 JMP10 for port 1,
 JMP11 for port 2.
 (Only req'd for RS-422/485).

Transmit to Port 1 (red)

Transmit to Port 2 (yellow)



Z-Card Parallel & Serial Port Pinouts



AD AUTOMATION DISPLAYS INC.

Z-CARD, REV1

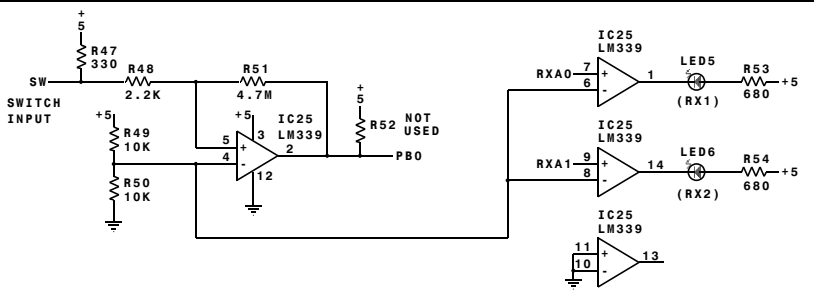
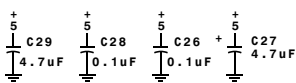
D | DRAWN BY: TN | DWG. # Z180A-2

DATE: 03 MAY 2011 | SHEET 1 OF 2

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

26	25	24	23	22	21	20	19	18	17	16	15	14
PB7	PB4	PB3	PB2	PB1	PB0	PA7	PA6	PA5	PA4	PA0	PA1	PA2
PB6	PB5	ALM	IC14 P10					+5	IC14 P12	IC14 P15	GND	PA3
1	2	3	4	5	6	7	8	9	10	11	12	13

PARALLEL PORT PINOUT (26-PIN .100" CONNECTOR)



D

D

C

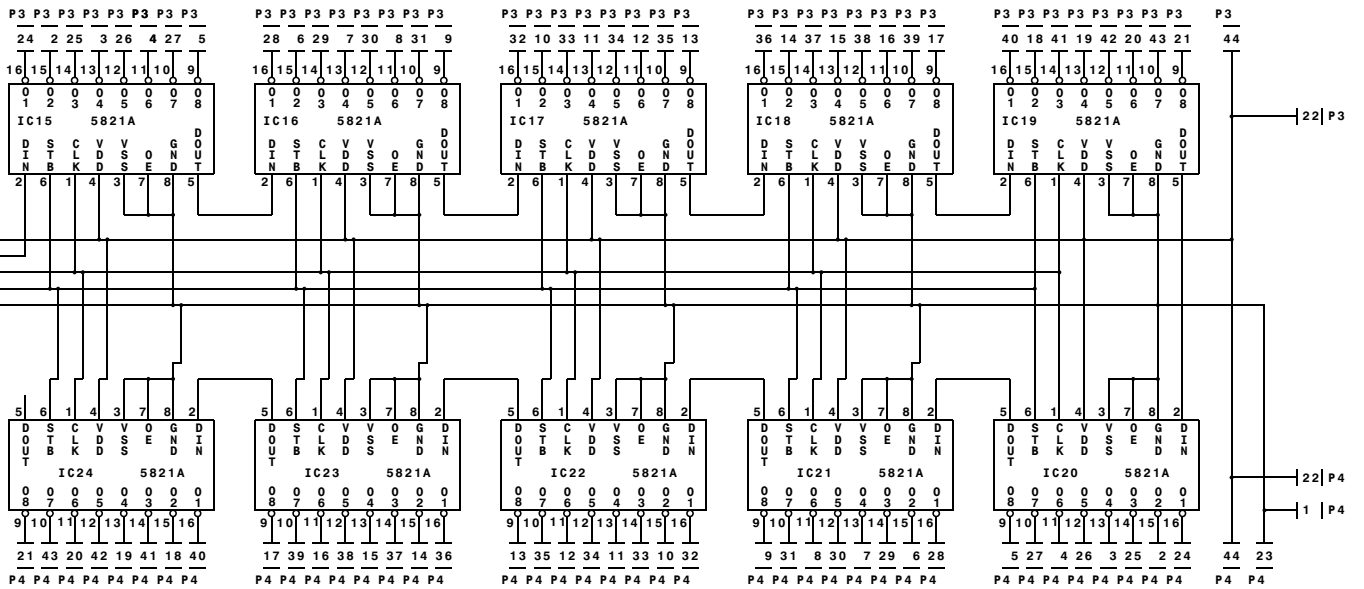
C

B

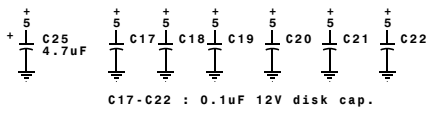
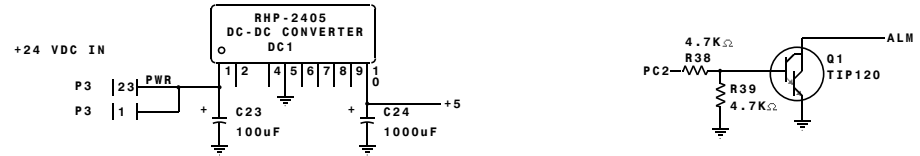
B

A

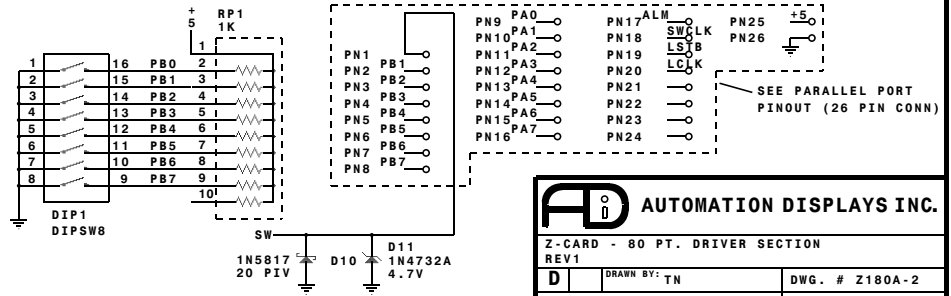
A



OPTIONAL COMPONENTS FOR 24 VDC POWER INPUT



NOTES:
 IC14 = 4050 HEX BUFFER
 IC15 THRU IC24 = UCN5821A SHIFT REGISTER/DRIVER
 (UCN5822A OR UCN5823A MAY BE USED)



AD AUTOMATION DISPLAYS INC.

Z-CARD - 80 PT. DRIVER SECTION

REV1

D	DRAWN BY: TN	DWG. # Z180A-2
DATE: 03 MAY 2011		SHEET 2 OF 2

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

The customer's host connection can be made to any ADI panel on the Z-Net or changed from panel to panel at any time - no reconfiguration is required. This feature is useful during installation and checkout phases of operation.

RS-232/422

CUSTOMER-SUPPLIED HOST

If your system includes ADI's Z-NET option, then the I/O points are networked. The maximum loaded I/O counts are shown in this drawing. ADI provides translation tables to map these points to your PLC register addresses. A variety of formats are currently supported, and new ones are added upon request. Some popular formats include:

Omron Host-Link
Johnson Controls Metasys
Modicon Modbus ASCII
Modicon Modbus RTU
GE PLC - RTU format

The Z-Net uses the-485 communication standard. Panel-to-panel communication runs at 76.8K baud. Maximum Z-Net length is 4000 feet (about 1219 meters).

