

DESCRIPTION

4008 is an I/O-interface module for solid state isolated voltage sense input containing 16 optically coupled differential inputs. Two versions: 4008 adapted for 5-12V driving and 4008-24 adapted for 24V driving. The customer may accomodate other signal levels by changing the resistors. The signals are read in groups of 8 at a time. An input group is selected by bit 7 at channel selection. The customer has provisions to use the channel selection of the module to simultaneously select other cards. A code strip is mounted on the I/O-connector to protect the module from being plugged with the wrong end into the backplane. The code strip conforms to DIN 41612. It permits the user to code the I/O-cables to be keyed for the right cards.



SPECIFICATIONS

POWER SUPPLY

+ 5V \pm 5%, 210 mA

SIGNAL INPUTS:

Logic "0" = closed, current = 10 - 20 mA
Logic "1" = open, no current.

OPTO-COUPLER

Type CQY 80 or equivalent. (4008)
Type 4N25 or equivalent (4008-24).
I/O-side of the 4680-bus.

BUSCONNECTION

I/O-side of the 4680-bus.

CONNECTORS

64-pin two-row Europe-connector
(DIN 41612) on both the I/O-and bus-side.

SIZE

Standard Europe-card, 100 x 160 mm.

BUS PIN NUMBERING

See System Manual.

Note. The bus-connection includes the
signals CSS* (secondary channel selection)
and CSB * (for bus-expansion).

I/O PIN NUMBERING

Group 1

Signal	1	2	3	4	5	6	7	8
Pin	1A,2A	3A,4A	5A,6A	7A,8A	9A,10A	11A,12A	13A,14A	15A,16A

Group 2

Signal	9	10	11	12	13	14	15	16
Pin	17A,18A	19A,20A	21A,22A	23A,24A	25A,26A	27A,28A	29A,30A	31A,32A

Note.

The odd pin numbers correspond to positive polarity and even numbers to return.

I/O - COMMANDS

INP DATA

Reads a signal group, 8 bits of data.

The group is selected with D7 at channel
selection (CS).

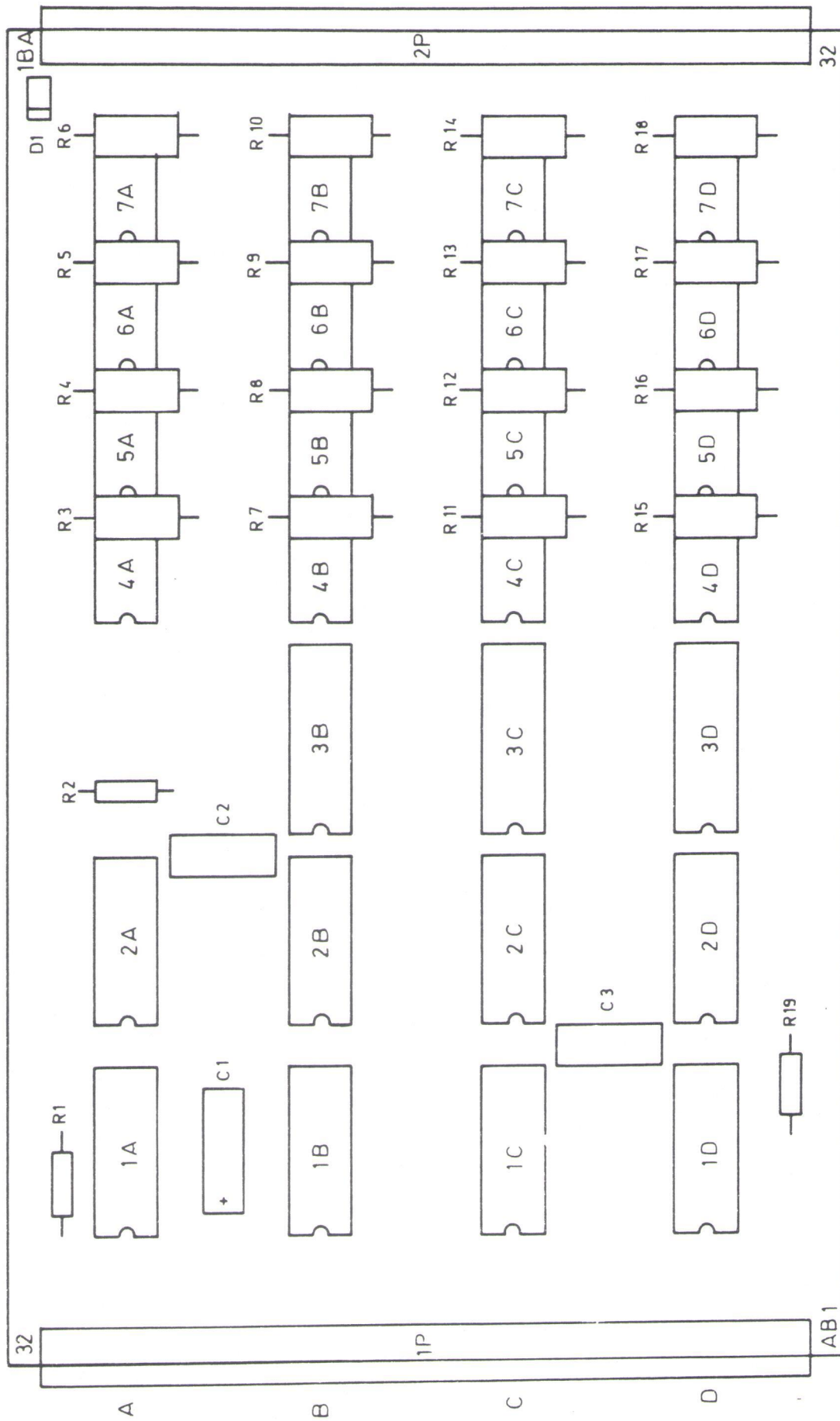
D7 = 0 = group 1, signals 1 - 8.

D7 = 1 = group 2, signals 9 - 16

CARD SELECTION

The card is identified at channel selection, done with
the command OUT CS, with a code plug located in
position 2B. See System Manual about coding.

1 2 3 4 5 6 7



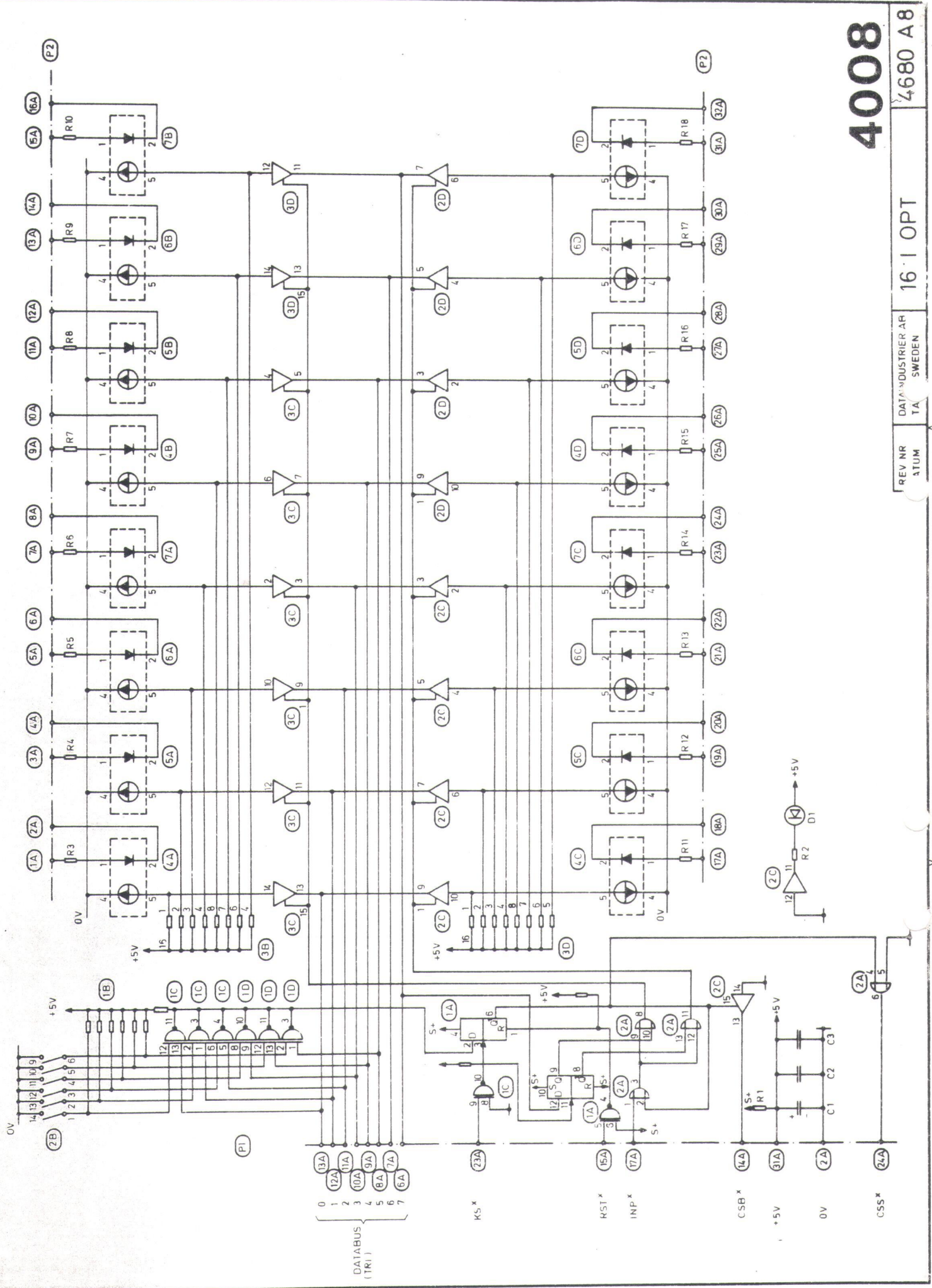
COMMENT: 2 B = CODE PLUG FOR CHANNEL SELECTION

4008

A	REV. NR	DATAINDUSTRIER AB
79.03	DATUM	TÄBY SWEDEN

16 I OPT

4680- 8



4008

REV NR	DATA INDUSTRIES AB	16 I OPT	4680 A8
ATUM	TA SWEDEN		