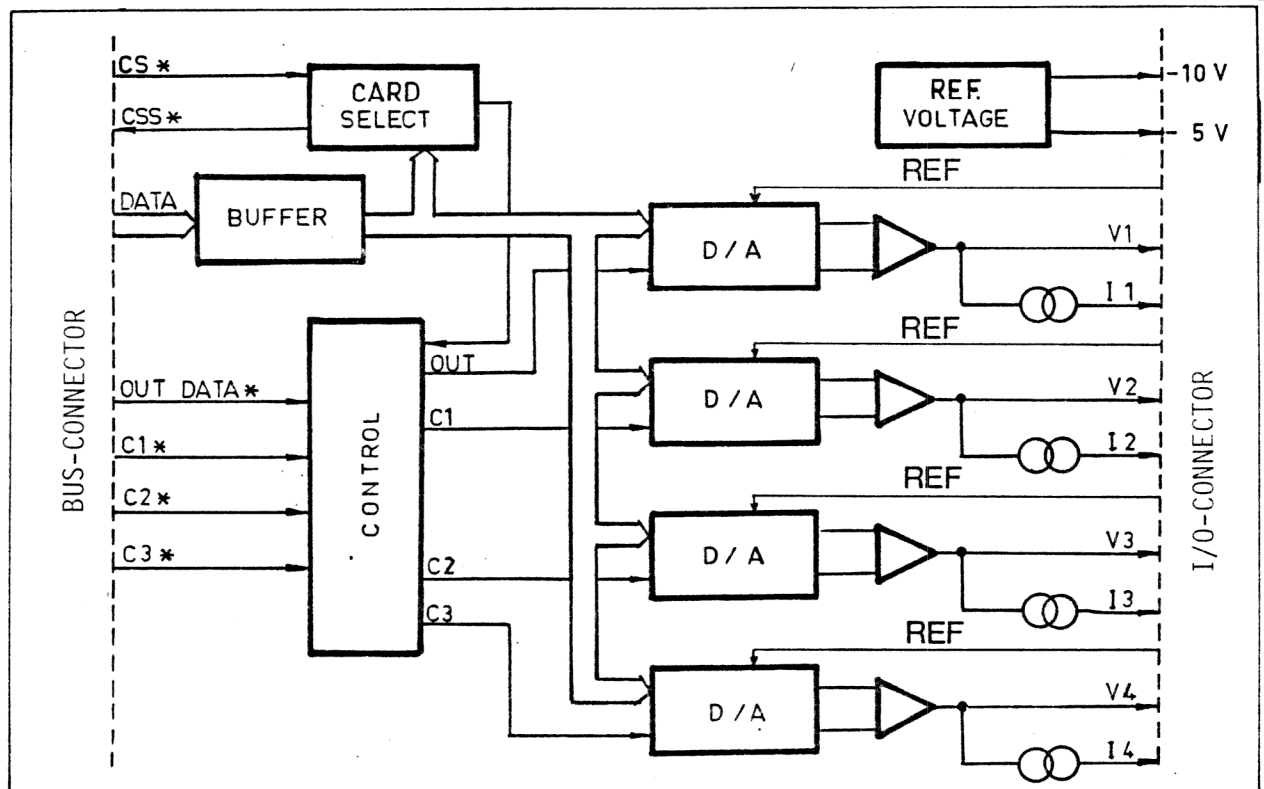




4084 4*8 D/A

4084 is a digital to analog converter based on CMOS DAC.

- Number of channels = 4 Non-isolated
- Resolution = 8 bits
- Two internal reference voltages are provided.

ANALOG OUTPUT

- Resolution out = Reference voltage/256
- Voltage Output Ranges = Inverted reference voltage.
- Internal Reference = -5V or -10V by jumper in cable connector.

THROUGHPUT Settling time = c:a 5 microsec.

- Current output Max 20 mA. Max 500 ohm load for max current out.



POWER	+ 5V $\pm$ 5% ,	150 mA
	+12V $\pm$ 5% ,	100 mA
	-12V $\pm$ 5% ,	50 mA

BUS CONNECTION On the I/O-side of the 4680-bus.

CONNECTORS B64 pin two-row standard
Euro-connector (DIN 41612) on both the I/O-and
bus-side.

SIZE Standard euro-card , 100x160 mm.

BUS PIN NUMBERING Refer to System Manual. The CSS-signal for secondary
channel selection is provided.

COMMANDS

OUT DATA	Data , 8 bits of data output to <u>channel 1.</u>
C1	Data , 8 bits of data output to <u>channel 2.</u>
C2	Data , 8 bits of data output to <u>channel 3.</u>
C3	Data , 8 bits of data output to <u>channel 4.</u>

I/O PIN NUMBERING

	Current Out	Voltage Out	Reference Voltage In
Channel 1	3B	5B	7B
Channel 2	9B	11B	13B
Channel 3	15B	19B	17B
Channel 4	21B	23B	25B

INTERNAL REFERENCE VOLTAGE

- 5V when Current Out PIN 27B
-10V when Voltage Out PIN 29B
Signal ground : Pins 3A - 30A

OUTPUT ADJUSTMENT

P1 Reference Voltage

Voltage Out

Channel	1	2	3	4
Pot.	P3	P2	P5	P4

Current Out

Channel	1	2	3	4
Pot.	P9	P8	P7	P6

Zero-adjustment Current Out

Channel	1	2	3	4
Resistor	R47	R48	R46	R49

CARD SELECTION

Is done by code plug on board position 1A. Refer to System
Manual about coding.

SELECTION OF OUTPUT VOLTAGE - AND CURRENT AREA

All connections are done in the contact of the connection cable.
Note: Only one connection/channel. Maximum input reference voltage for current output is -5V.

Channel 1

Area 0 to 10V connect 29B to 7B. Output on 5B.
0 to 5V connect 27B to 7B. Output on 5B.
0 to 20mA connect 27B to 7B. Output on 3B

Channel 2

Area 0 to 10V connect 29B to 13B. Output on 11B.
0 to 5V connect 27B to 13B. Output on 11B.
0 to 20mA connect 27B to 13B. Output on 9B.

Channel 3

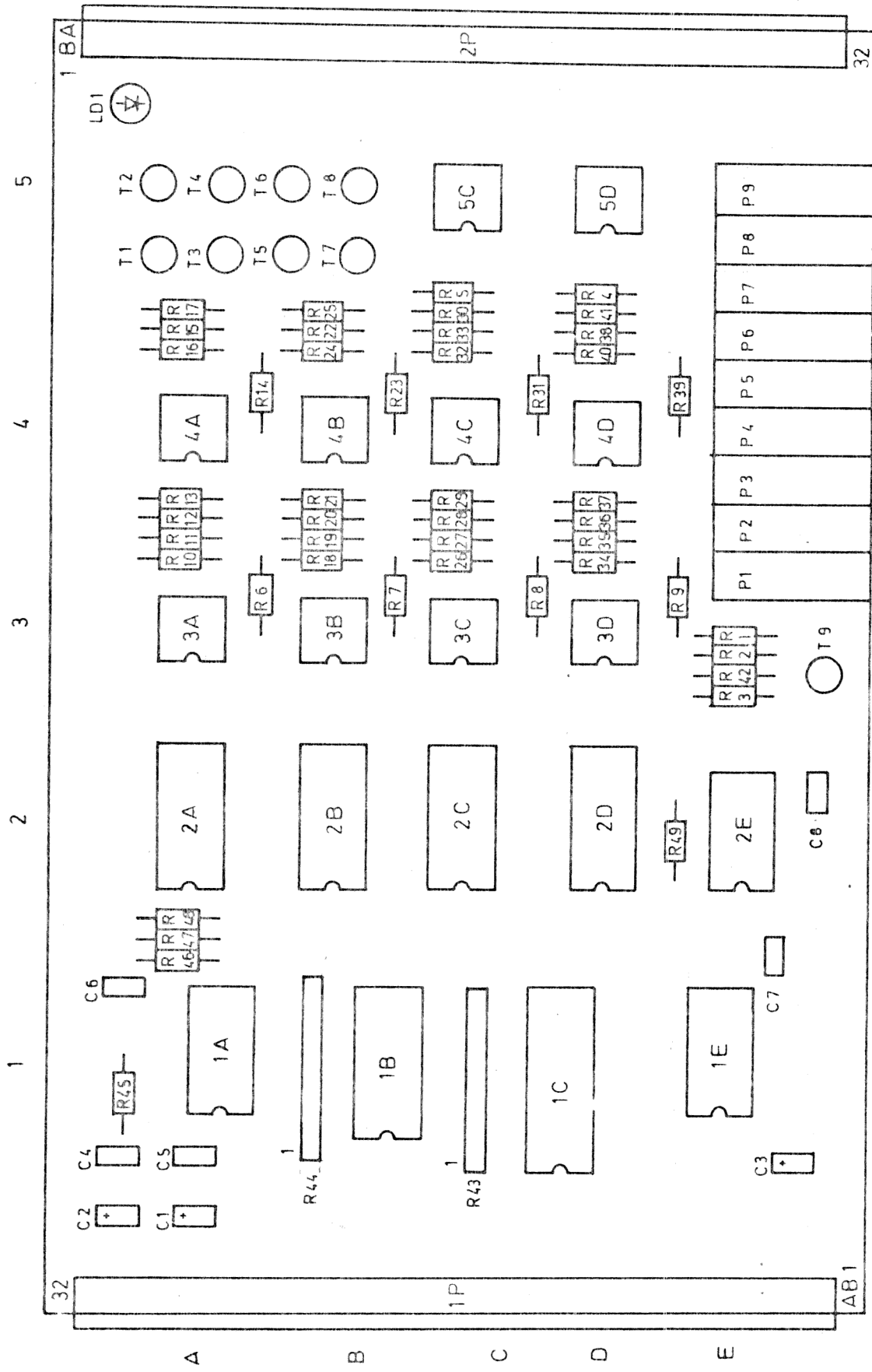
Area 0 to 10V connect 29B to 17B. Output on 19B.
0 to 5V connect 27B to 17B. Output on 19B.
0 to 20mA connect 27B to 17B. Output on 15B.

Channel 4

Area 0 to 10V connect 29B to 25B. Output on 23B.
0 to 5V connect 27B to 25B. Output on 23B.
0 to 20mA connect 27B to 25B. Output on 21B.

The output signals are taken between the specified outputs and GND, pin 3A - 30A.

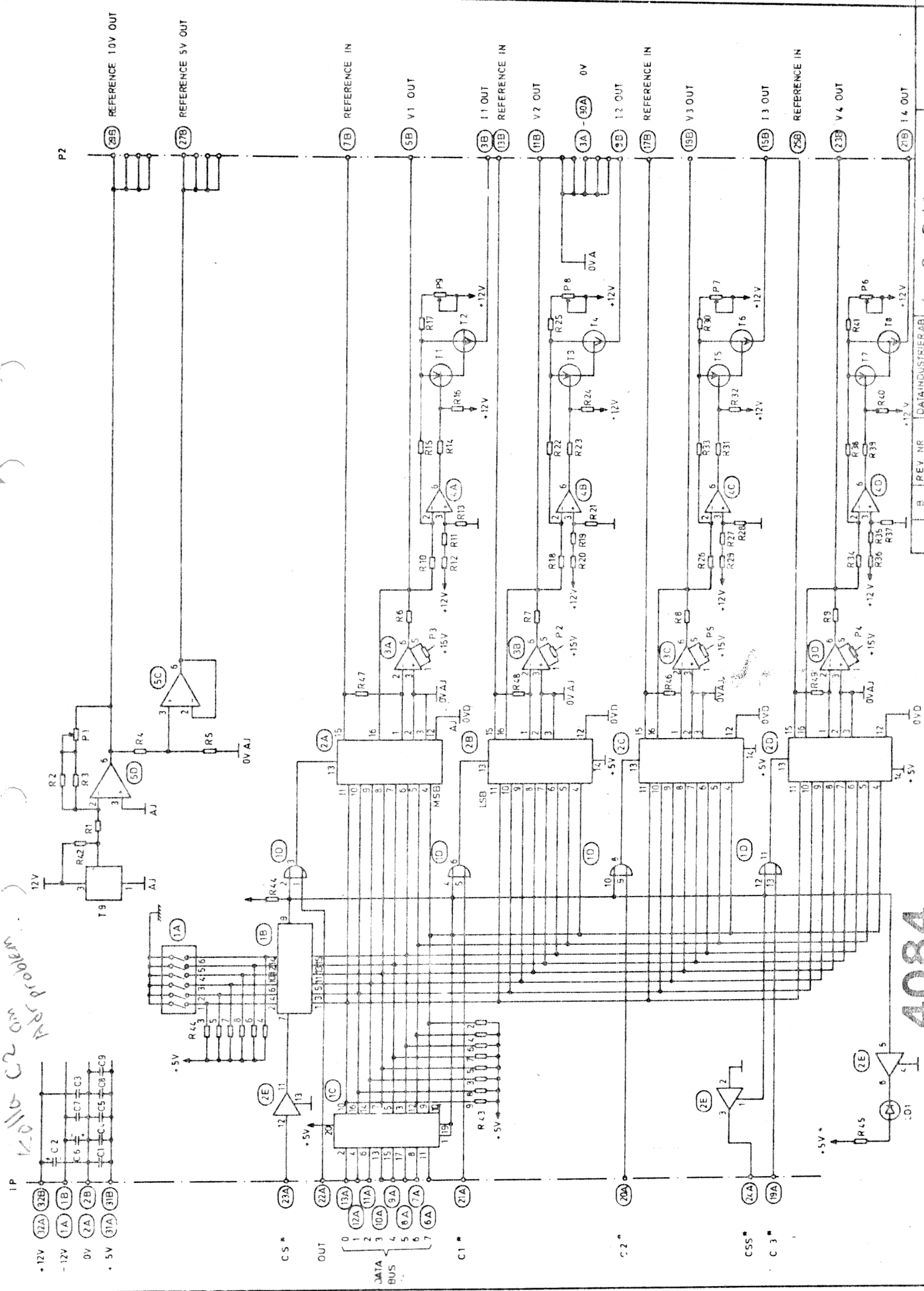
Information in this document is subject to change without notice.



4084

4680- 84	4x8 D/A	DATAINDUSTRIER AB	REV NR	B
		TABY SWEDEN	DATUM	75.03

Adm problem
C2



4084

DATAHOUSE AB
REV NR
B