

DESCRIPTION

5023 is used to expand the I/O capacity of the basic backpanel of a 4680 system. The Bus Expander provides further driving capacity on all the data and I/O command lines.

The driving capacity is designed for a fully equipped 20-slot expansion backpanel.

The Bus Expander provides redirection of the data bus when reading data or status. Redirection uses the CSB^x -signal which must be provided by the cards on the expansion side when commanding INP DATA and STAT.

The Bus Expander will indicate by a LED when data or status is fetched from expanded I/O.

The optional lines and interrupt are run straight through. The Bus Expander decouples the power supply lines which are not allowed to be used as supply lines for the expansion backpanel (or opposite).

M O U N T I N G

The Bus Expander is normally mounted beside the CPU-unit on the I/O side. The connection is normally wire wrapped to the expansion rack from the backplane. It is possible to connect the expansion through a cable to the I/O-connector. The power supply shall be drawn separately.

E X P A N S I O N R A C K

DATABOARD 4680 provides different levels of expansion by standard racks, namely for: 8-, 15-, and 20-slot backpanels. Standard design comprises the 4680-bus including the memory bus. The Bus Expander, however, does not provide memory expansion. Neither do the users need memory expansion when making a normal choice of memory modules. Then the user chooses one of the standard racks and uses the option of I/O-bus wiring. The bus wiring is also made easily by himself.

The expansion rack shall provide the power from separate supplies. DATABOARD 4680 provides different capacity levels dimensioned for fully equipped racks.

Note. The CSB*-signal is not wired in standard racks.

S P E C I F I C A T I O N

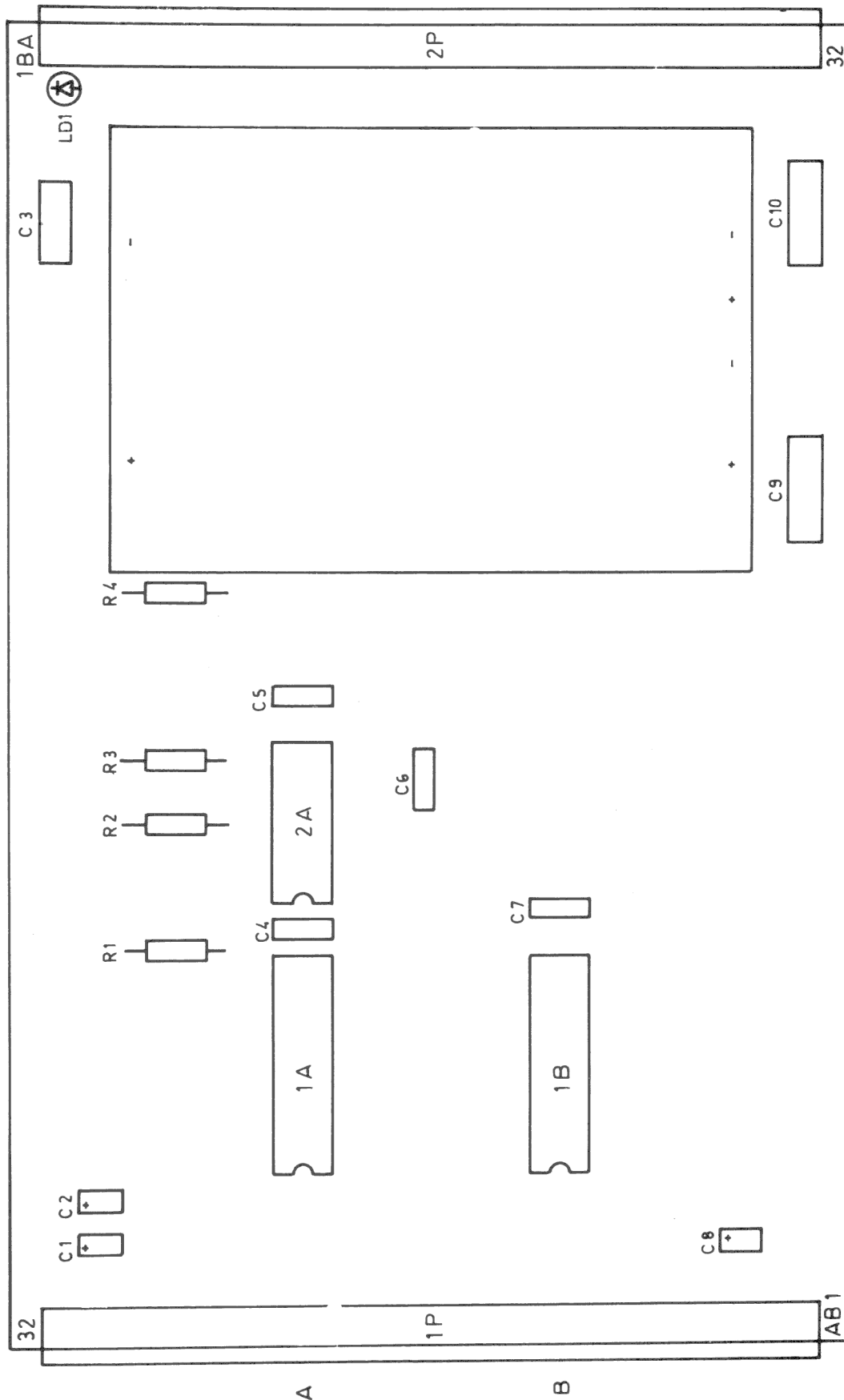
<u>Capacity</u>	a fully equipped 20-slot backpanel
<u>Bus_connection</u>	immediate position from the computer slot(s) on the I/O side
<u>Connectors</u>	B 64 two-row Europe connectors on both ends of the card
<u>Size</u>	Standard Europe card, 100 x 160 mm
<u>Applications</u>	Expansion of all types of standard backpanels

O P T I O N

DC/DC converter for ± 12 V from + 5 V is available as option. Capacity = 250 mA.

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COMMENT: THE CARD MODULE IS AVAILABLE AS BUS EXPANDER AND / OR $\pm 12V$ SUPPLY:
 IF ONLY AS BUS EXPANDER - DOES NOT INCLUDE DC/DC-CONVERTER
 " " " 12V SUPPLY - INCLUDES THE DC/DC-CONVERTER AND DOES NOT INCLUDE 1A-2A, 2B, C1 AND C8

B		REV. NR	DATAINDUSTRIER AB		BUS EXP	4680- 23
		79.03	TÄBY	SWEDEN		
DATUM						

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AS BUS EXPANDER AND/OR 12V SUPPLY

