

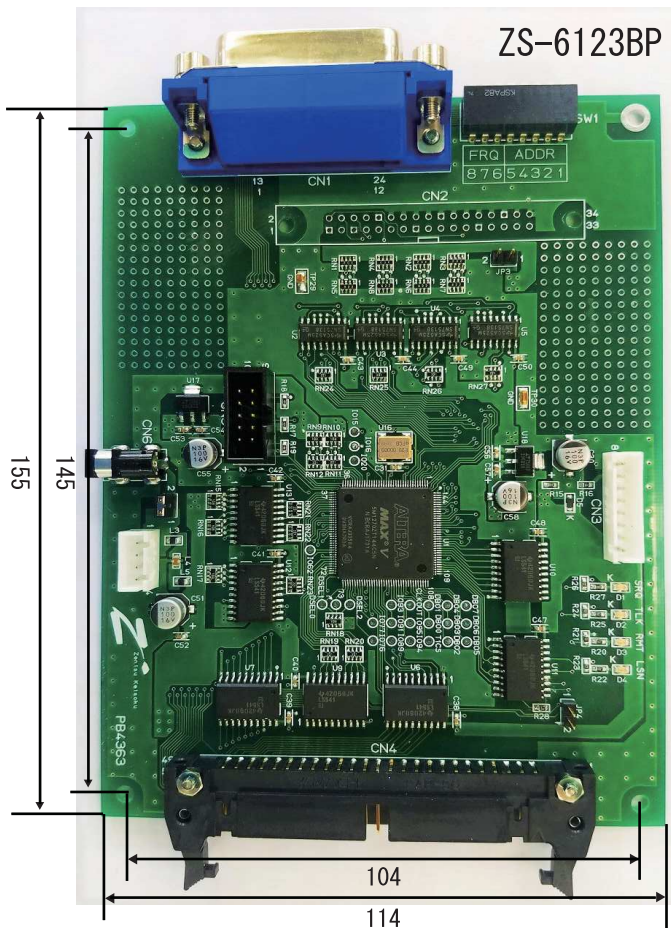
GP-IB Gate controller

ZS-6123BP

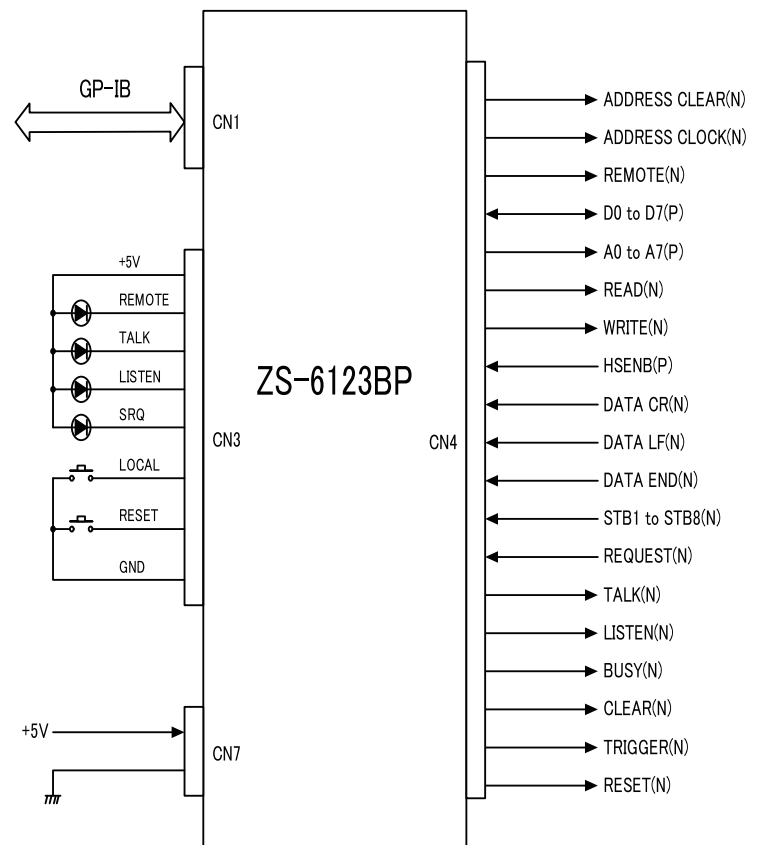
RoHS

GP-IB, Parallel signal interface

The ZS-6123BP is a GP-IB gate controller unit that eliminates the need for troublesome timing circuit design by simply adding a decode circuit and a latch circuit to the outside when GP-IB communication of parallel BCD or binary signals is performed. This unit can communicate with external equipment at high speed by timing signal for 8-bit bidirectional data bus and input / output. Especially when you communicate large amounts of data with memory etc. continuously with GP-IB etc, it will be useful.



Signals



Connector

Model	GP-IB	DATA	Feature
ZS-6123BP	GP-IB Std connector	FC-50L	It is possible to be connected the GP-IB cable directly.

GP-IB : 57LE-20240-77COD35G (DDK) / IEEE488 Std connector

FC-50L : FAP-5001-1202-0BF (Yamaichi) / L-angle 50 core For flat cable

D0 to 7 : Bidirectional bus for data input.

A0 to 7 : Address bus, decode this signal and select the data of the connected circuit.

HSENB : Data transfer permission signal, GP-IB handshake becomes possible when this signal is set to HIGH or open.

READ : It is strobe signal when reading the data of the connection circuit to GP-IB.

WRITE : It is write pulse signal for outputting data from GP-IB to the connection circuit.

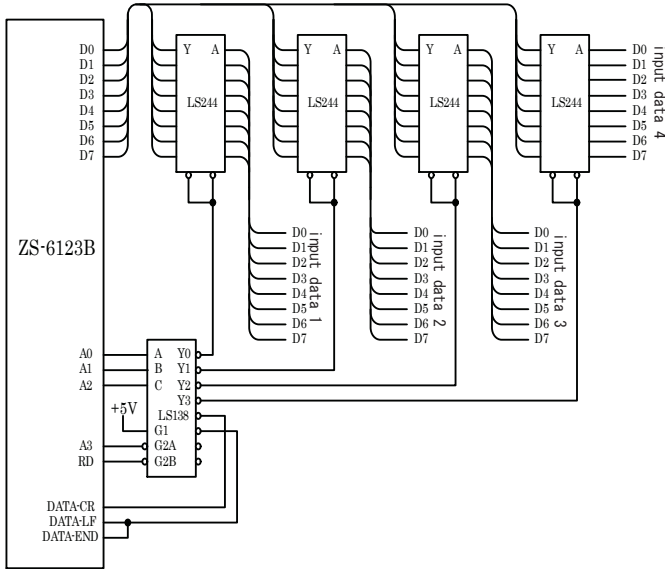
STB1 to 8 : Notify the GP-IB controller of the cause of SRQ by the status signal at the occurrence of SRQ.

Features

1. It is unnecessary such as a design of timing.
2. I/O data can be expanded up to 256 bytes.
3. It is possible to be extended I/O data by providing external address counter.

Example for usage

Expansion circuit for input data

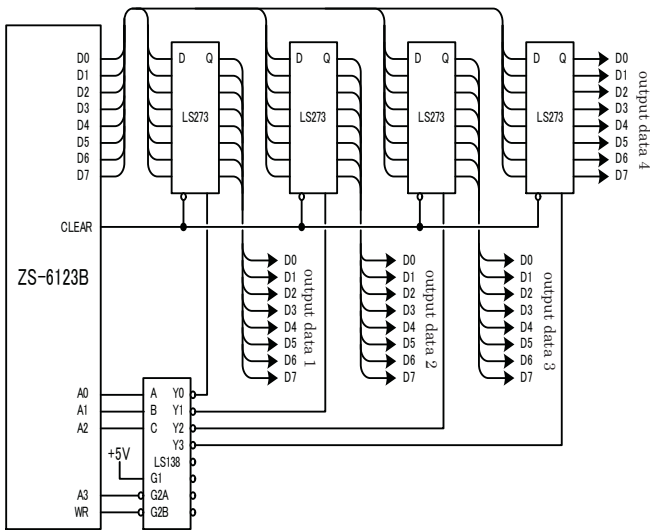


In this circuit example, CR and LF are used as delimiters, and EOI is output at the same time as LF.

The gate signal for last data is input to DATAEND.

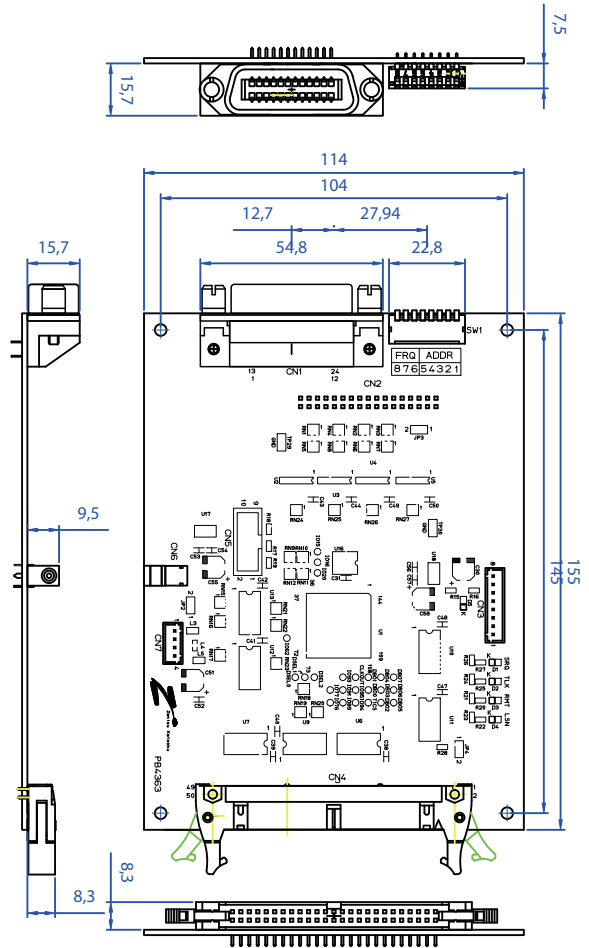
When not entering, ZS-6123BP continues to send data to GP-IB side.

Expansion circuit for output data



In this circuit example, the number of output data can be extended up to 8 bytes by adding 4 latches "LS273" .

Appearance



Functions

1. Compliant with GP-IB interface standard.(IEEE Std 488-1978)
2. Interface function
SH1, AH1, T6L, 4SR1, RL1, PP0, DC1, DT1, C0
3. Input operation
It becomes a talker, and output data of connected device is sent to the GP-IB side. Signal level: TTL (Fan-in = 1)
4. Output operation
It becomes a listener, and data is output from the GP-IB side to connected device. Signal level: TTL (Fan-out = 10)
5. Power supply +5V 0.5A
6. Size (excluding protrusions) 114 x 155 x 30 (H)
7. Weight 150 g or less
8. Accessory CN4 connector : FAS-5001-2101-0BF x 1
CN7 cable : For DC power, length 60cm x 1

Specifications and appearance are subject to change without notice due to continual improvements.



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