

The schematic diagram illustrates the internal structure and external connections of the K1555IB1 microcontroller. The central component is the K1555IB1, which is connected to several peripheral components:

- System Bus (X1):** The microcontroller's address and data buses are connected to the system bus. The address bus (A0-A17) is connected to the system bus (A0-A17). The data bus (D0-D7) is connected to the system bus (D0-D7). The control signals (-RES, -CSTM, -WR, -RD, -IORQ, -T0, -T1, -T2, -T3) are connected to the system bus.
- EPROM 256Kx8 (D6):** The microcontroller's address and data buses are connected to the EPROM. The address bus (A0-A17) is connected to the EPROM's address bus (A0-A17). The data bus (D0-D7) is connected to the EPROM's data bus (D0-D7). The control signals (-RES, -CSTM, -WR, -RD, -IORQ, -T0, -T1, -T2, -T3) are connected to the EPROM's control signals.
- PPI (D4):** The microcontroller's address and data buses are connected to the PPI. The address bus (A0-A17) is connected to the PPI's address bus (A0-A17). The data bus (D0-D7) is connected to the PPI's data bus (D0-D7). The control signals (-RES, -CSTM, -WR, -RD, -IORQ, -T0, -T1, -T2, -T3) are connected to the PPI's control signals.
- PPI (D8):** The microcontroller's address and data buses are connected to the PPI. The address bus (A0-A17) is connected to the PPI's address bus (A0-A17). The data bus (D0-D7) is connected to the PPI's data bus (D0-D7). The control signals (-RES, -CSTM, -WR, -RD, -IORQ, -T0, -T1, -T2, -T3) are connected to the PPI's control signals.

The diagram also shows the internal structure of the K1555IB1, including the address and data buses, control signals, and the internal components (D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D98, D99, D100).