

# M68HC11E20EVS

## Product Preview Microcomputer Evaluation System

The M68HC11E20 Evaluation System (hereafter referred to as EVS) is one of a family of Motorola Development Systems Design products. It is an economical tool for designing, debugging and evaluating target systems based on a number of M68HC11 family microcomputer units. The EVS consists of two printed circuit boards, the M68HC11E20 Emulator Module (EM) and the M68HC11 Platform Board (PFB). The EVS runs a dual map scheme to allow the user full access to the MCU memory map.

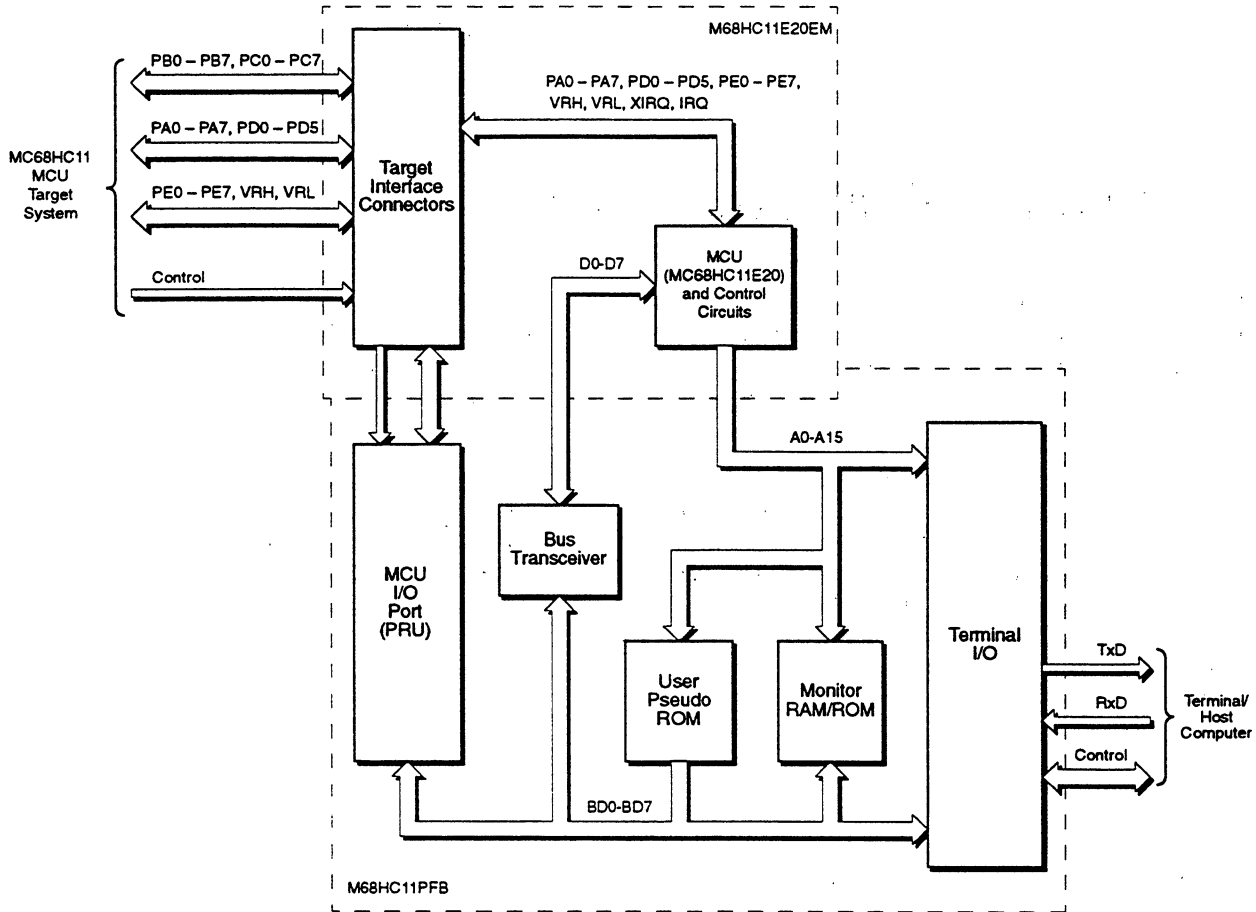
The M68HC11E20EVS offers improved performance over the Motorola M68HC11EVM in a number of areas, providing full support of the MC68HC11E20 device. It includes a full 64 kbyte User memory map and allows operation at bus speeds of up to 3 MHz. Other improvements are the provision of a single target connector for single chip or expanded modes and the ability to emulate test mode as well as single chip and expanded mode. The M68HC11E20EM is compatible with Motorola's MMDS11 platform. The MCU extension I/O port facilitates connection of the EVS to the target system through a 52 pin PLCC cable allowing in-circuit emulation. The M68HC11E20EVS does not offer the device programming feature of the M68HC11EVM.

### Features

- Full 64k User memory map
- Full support of MC68HC11E20 device
- Single target connector for single chip or expanded modes.
- Allows the evaluation of the MC68HC11A8/A1/A0, MC68HC11E9/E1/E0, MC68HC11E20, MC68HC711E9 and MC68HC811E2 at bus speeds up to 3.0 MHz
- Monitor/debugger firmware
- On-line assembler/disassembler
- Host computer download capability
- Dual monitor and user memory maps
- Abort switch to interrupt code execution
- Separate monitor and user map reset switches
- RS-232C terminal input/output (I/O) port
- MCU extension I/O port for target cable connection
- 52 pin PLCC cable included
- External or on-chip EEPROM and ROM
- Single target connector for single chip or expanded modes.
- Emulation of single-chip, test and expanded mode operation
- M68HC11E20EM compatible with Motorola MMDS11 platform



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M68HC11E20EVS block diagram

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