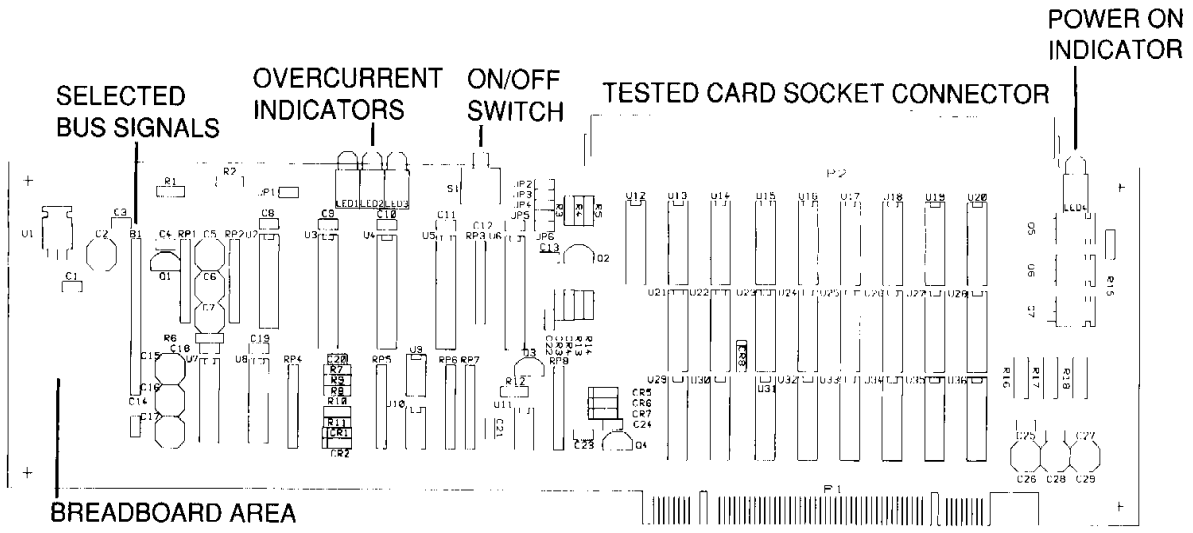
AZ-COM

UNIVERSAL Micro Channel Extender



OVERVIEW

Universal MC Extender from AZ-COM allows to insert and remove MC BUS cards without turning PC power OFF. That is crucial when using PS/2 computers for testing and developing bus cards. No time is wasted for rebooting computer and reloading test program. Damage to computer hardware resulting from switching power ON/OFF is also eliminated. Functions of Universal MC Extender can be controlled by hardware switch and jumpers. In addition software control can be implemented. Memory resident utility initializing POS registers after each power OFF/ON cycle is provided. For debugging purpose power can be connected without connected the bus signals. Also all data lines and all IRQ lines can be disabled using jumpers. Universal MC extender is equipped with overcurrent sensing circuitry that can be adjusted by simple resistor change. If overcurrent condition occurs all signals to the top connector will be disconnected and LED/software indication will be activated. For custom modifications breadboard area is provided with 8 data lines, decoded IOR, IOW and power available at its border. It is ready for connection of 74259, 74373 or 74374 type of device to implement parallel 8 bit port. Board layout allows for easy connection of external power supply for tested card.

Also available, Universal PC Extender, Throw away mini extender for Universal PC Extender and Universal MC Extender.

P/S 2 and Micro Channel are trademarks of IBM Corporation.

SPECIFICATIONS:

MAX Current	4A at +5V 2A at +/- 12V
Bus switch	25 Ohm max, 35 pf max 25 mA max at 0V/ 25C
Current limit setting	+5V -> 2A .1V drop max +/-12V -> .25A .25V drop max
LED indicators	3 OVERCURRENT, 1 POWER ON
Software Status 1 read only register	Card inserted, Bus connected, power connected, Main switch state, +5V at connector, 3 * overcurrent.
Software Control 1 Write only register	Software control enable/disable Power ON/OFF Bus ON/OFF Reset to top connector HIGH/LOW
Switch/jumper control	Power ON/OFF, DATA lines ON/OFF, IRQ lines ON/OFF Status/control register I/O address
Available I/O address selection	800H, 1000H, 1800H, 2000H, 2800H 3000H, 3800H
Decoded I/OW, I/OR address	I/O selection +1 (801H, 1001H, etc.)