

Hardware Diagnoses.

The M68MOD912C32 is pre-programmed with DEMO code. It will flash LED D2 four times and D3 once. At the same time a MENU is transmitted via SCI to the PC.

Problem:

Power Green LED not ON

Solution:

Check Power adaptor is plug on the AC outlet. Check power connectivity to J1 or J2. Make sure link W2 are shorted by a buss wire or copper track. Use Voltmeter to measure VCC. For JB1 open, the measured VCC is approx. 5 volt. For JB1 shorted, the measured VCC is approx. 3.3 volt.

Problem:

Power Green LED is dim.

Solution:

JB1 maybe shunted to provide 3.3 volt VCC.

Problem:

No SCI communication

Solution:

Make sure the M68MOD912C32 is properly installed into the 40 pin dip socket, ie pin 1 of the module to pin 1 of the 40 pin dip socket.

Launch HyperTerminal program and set it up appropriately.

Check Serial cable connectivity from PC to M68DM912C32 docking module. Make sure terminal program are setup appropriately to BAUD=9600,8,N,1.

Problem:

Nothing happens

Solution:

Check Power, make sure Power LED is active. Check M68MOD912C32 installation into the socket. Press RESET SW1 a few times to reset the MCU.