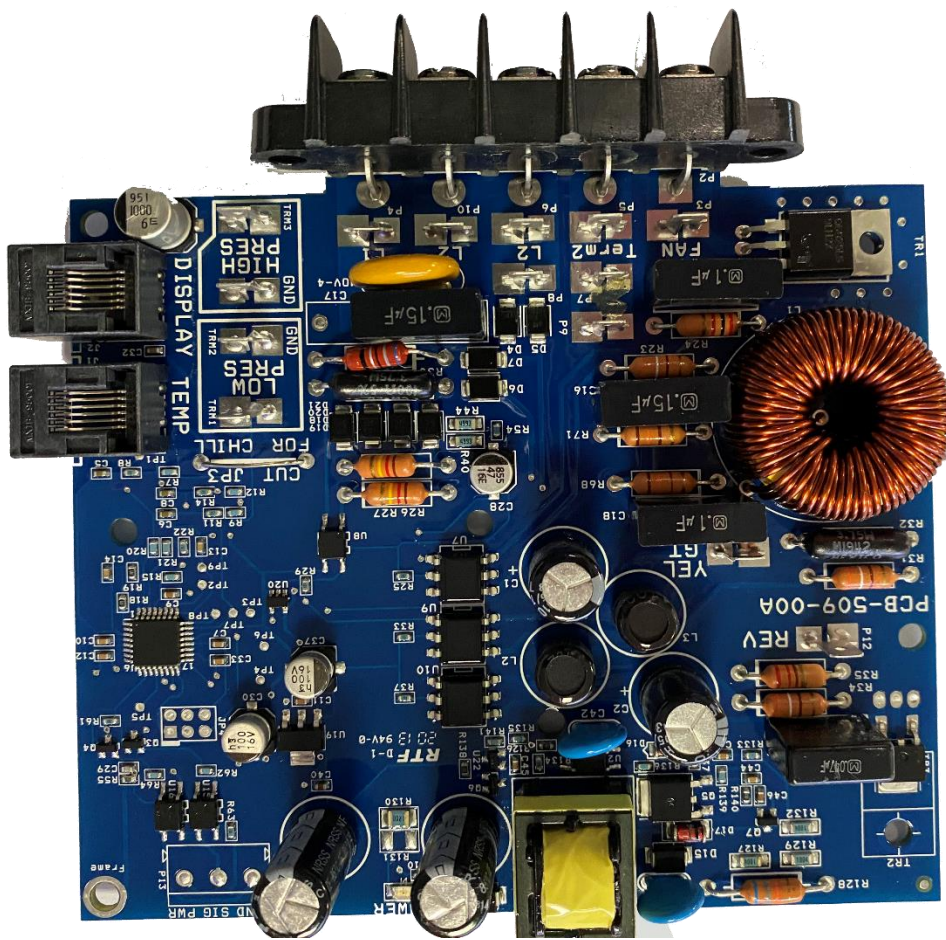


## A-288D replacement control board

### Identifying the board:

SMX II™ control boards are also called A-288D control boards. They were made for Cruisair™ or Dometic™ and used from the late 1990's until about 2018 or so. They have a distinctive five screw terminal strip along with quick connects on the board for power connections. There are only RJ12 style (6P6C) jacks on the board used for temperature sensor and display connections. Early models have a large transformer mounted on the board but later models appear more like the picture below. Use the above features to identify this board.



### Replacing the board

Most connections will be exactly the same as the original board. There were some boards with one or two extra quick connects including an extra near the L1 terminal. If you have one of these boards and need the connection, just connect to the screw terminal block directly behind the quick connector. The screw terminal connections line up with the quick connects on the replacement board and are electrically connected to each other.

### JP3: Cut for Chill

#### ***DO NOT CUT THIS JUMPER UNLESS THE FOLLOWING APPLIES TO YOUR SYSTEM***

There are two applications that require this jumper to be cut:

The first is when the board is used to control an air handler. Air handlers are used in larger boats where a chilled or tempered water system is used. These systems cool or heat water using a remote compressor and pump that water throughout the boat for use by the air handlers. This is not a sea water loop but a separate typically glycol loop in the vessel. There are no refrigerant lines going to the air handlers, only water lines.

The second application is when used as an air handler in a split compressor/evaporator system. **These systems have more than one evaporator coil that is fed by a single compressor.** Refrigerant flows through the lines to these coils even though the compressor is remotely mounted. The wiring in these systems will be such that the compressor output triac turns on an electric heater (if equipped) and the valve output (REV) is connected to a relay box that turns on the compressor. In normal operation any control in the system can turn on the common compressor in the system and start a cooling process.

If you are not sure about the second type, connect the wiring and do not cut the jumper. Turn on the system and if the heater comes on and not the compressor when cooling, cut the jumper. If you don't have an optional heater, verify the wiring is as described above before cutting the jumper.