

Description of the M5407TEKC3 Rev 1.0 Schematic

The M5407TEKC3 board is a daughterboard for the M5407C3 evaluation board. This board allows the signals from the M5407C3 board to be easily examined by use of a logic analyzer. This board was designed for reference only and was built by Matrix Design and Manufacturing “<http://www.cadreIII.com/>”. This board is not available for purchase.

The M5407TEKC3 schematic is contained in three pages:

Page 1: (Expansion Connectors):

This page shows the two 120-pin connectors used on the M5407TEKC3. These two connectors mate to the two 120-pin expansion headers found on the M5407C3 board. All the signals listed are those set by the M5407C3 board. The “no connects” shown are for signals such as +3.3 that were not used (except one +3.3 pin for an LED) and are thus marked as no connects.

Page 2: (Mictor Connectors):

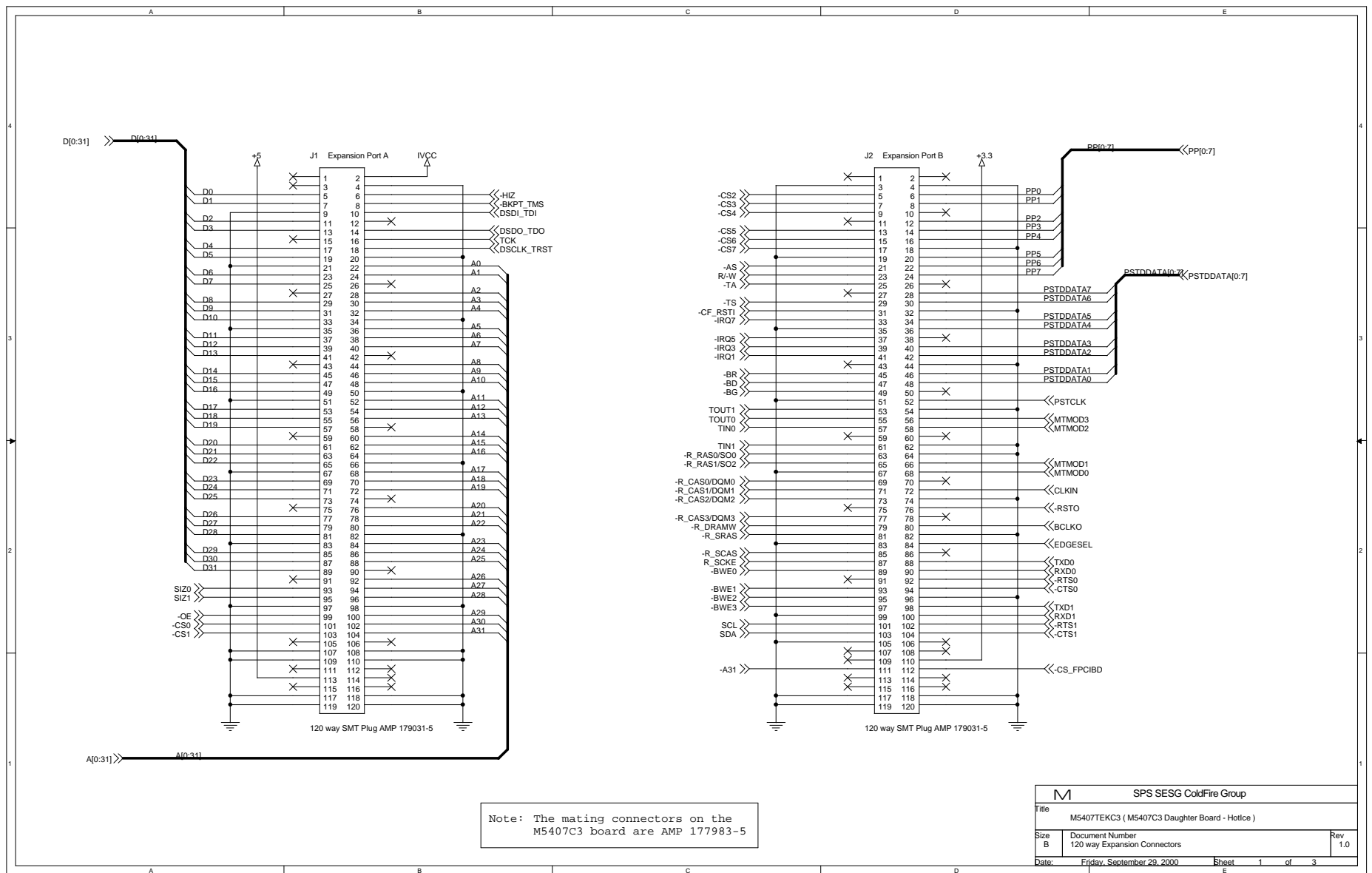
This page shows the connections to the five mictor connectors on the top of the M5407TEKC3. The signal grouping by mictor connector is based off of the M5307C3 board. These mictor connectors allow the user to easily connect to the board with a Tektronix logic analyzer using mictor connectors.

Page 3: (General):

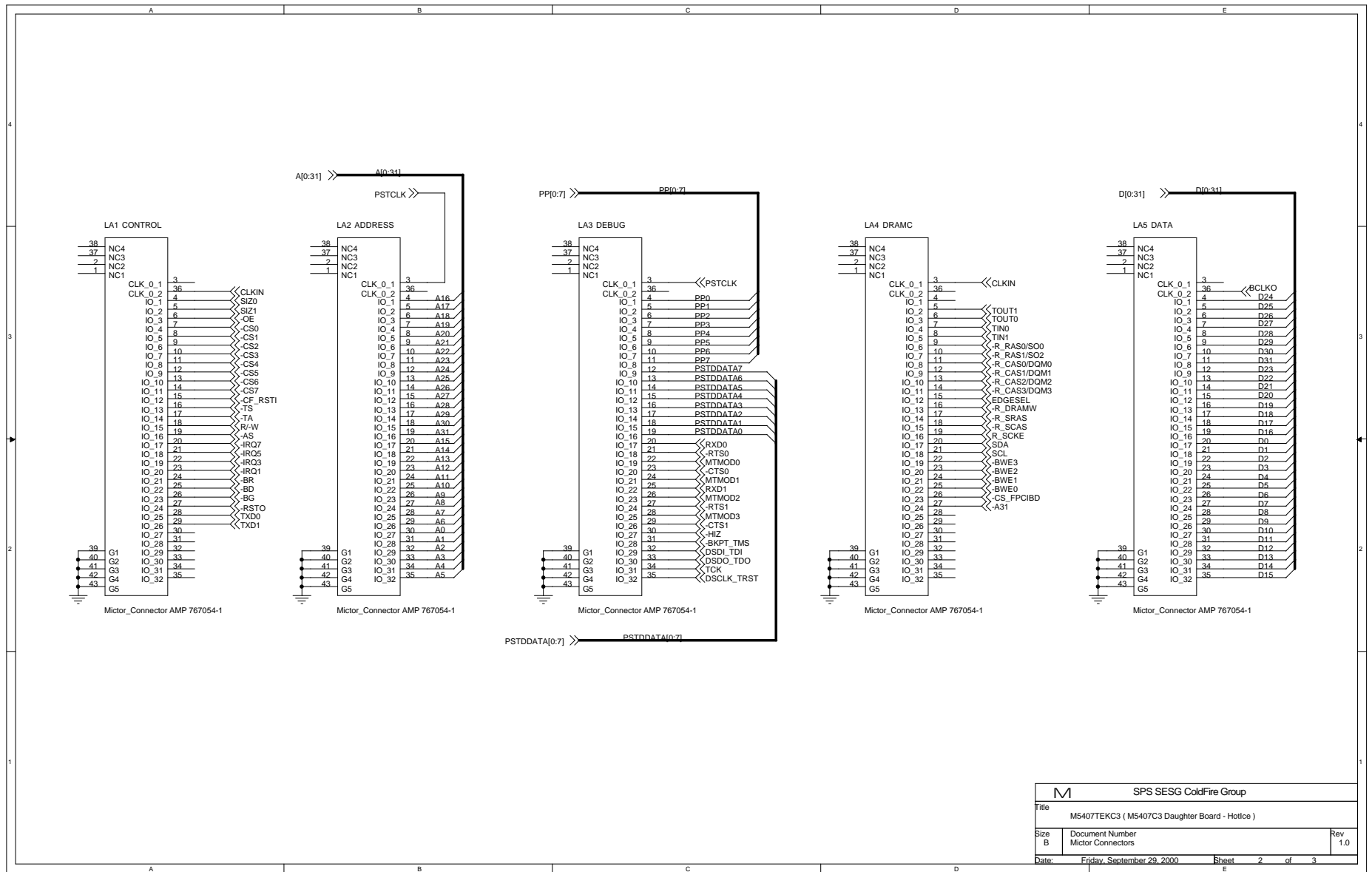
This page includes several items that do not fit precisely on any other page and thus were all placed here under the title of "general". The board has three looped test points as shown, for GND, IVCC (+1.8 V DC), and +3.3 V DC. The +5 V DC signal is brought out to a "via-like" hole so that the signal will be available if we ever wish to use it in the future.

There are also 2 LEDs on the M5407TEKC3 board. The primary purpose of these LEDs is to indicate when the daughterboard is properly connected to the M5407C3 board. They also serve to show if there are signals on IVCC and +3.3. The IVCC (+1.8) signal LED is connected through three of the 270-ohm resistors in parallel instead of the one 270-ohm resistor used for the +3.3 signal LED. This was needed to allow enough current flow for proper operation of the LEDs.

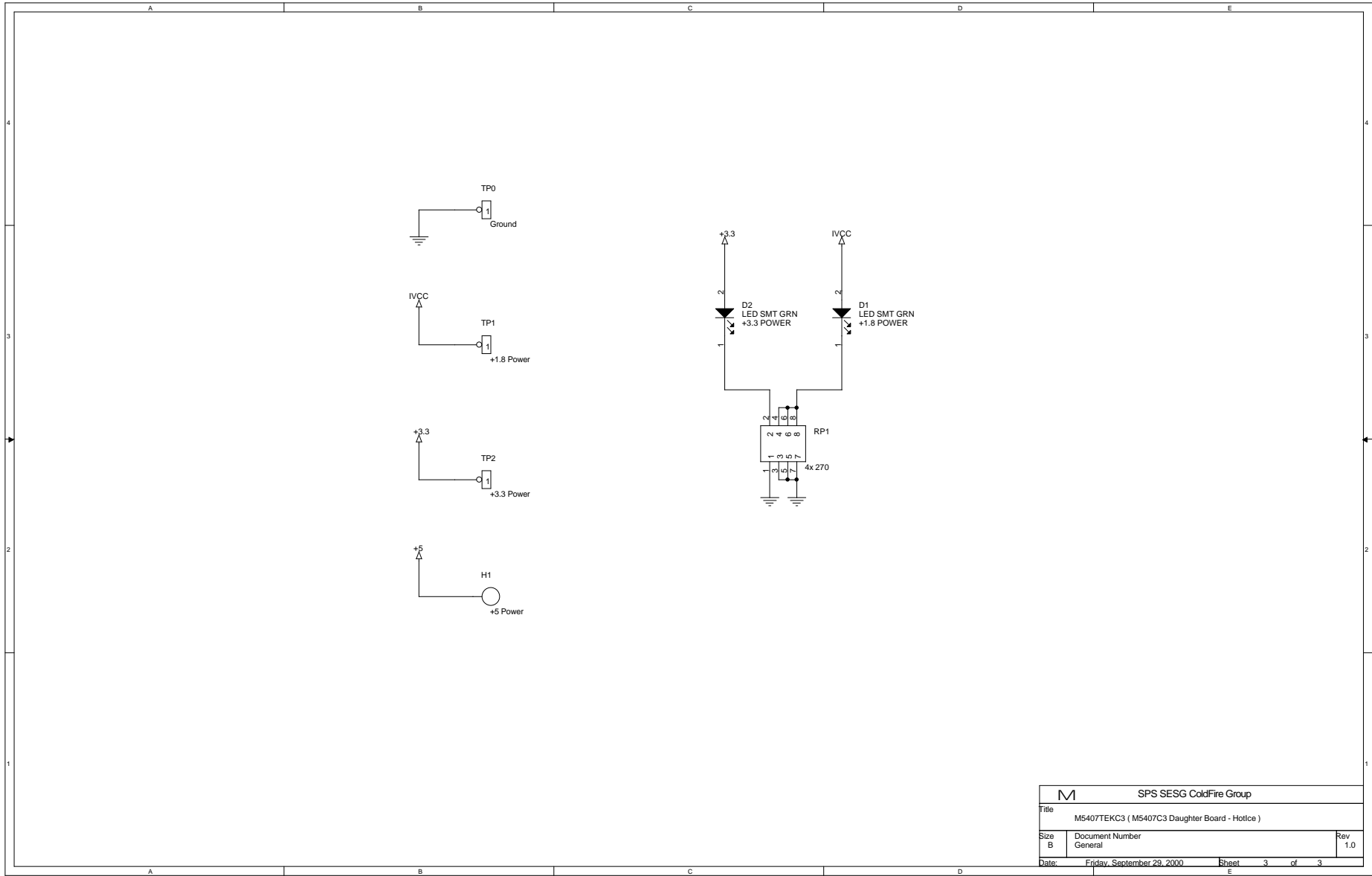
For further information about this board or about the M5407C3 board, please visit “<http://www.motorola.com/coldfire/>”.



M SPS SESG ColdFire Group		
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M		SPS SESG ColdFire Group	
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