



- DIN Connector on end of PCB
- PL1A
 - A1
 - A2
 - A3
 - A4
 - A5
 - A6
 - A7
 - A8
 - A9
 - A10
 - A11
 - A12
 - A13
 - A14
 - A15
 - A16
 - A17
 - A18
 - A19
 - A20
 - A21
 - A22
 - A23
 - A24
 - A25
 - A26
 - A27
 - A28
 - A29
 - A30
 - A31
 - A32
 - DIN_96W_M
 - PL1B
 - B1
 - B2
 - B3
 - B4
 - B5
 - B6
 - B7
 - B8
 - B9
 - B10
 - B11
 - B12
 - B13
 - B14
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 - B22
 - B23
 - B24
 - B25
 - B26
 - B27
 - B28
 - B29
 - B30
 - B31
 - B32
 - DIN_96W_M
 - PL1C
 - C1
 - C2
 - C3
 - C4
 - C5
 - C6
 - C7
 - C8
 - C9
 - C10
 - C11
 - C12
 - C13
 - C14
 - C15
 - C16
 - C17
 - C18
 - C19
 - C20
 - C21
 - C22
 - C23
 - C24
 - C25
 - C26
 - C27
 - C28
 - C29
 - C30
 - C31
 - C32
 - DIN_96W_M

- Notes**
1. PCB single height Euro Card, possibly extended length 100mm x 160mm or 100mm x 220mm (4 x 6 or 4 x 9 inches)
 2. For the cost of one DB9 it may be possible to have a second RS232 interface available as each could use half a MAX202.
 3. Where jumper selectors require multiple poles, it is expected that DIL component carriers with every 2nd circuit O/C will be used

'Wall Wart' Connector
 Bridge Rectifier & Capacitor
 5v Regulator on Heat Radiator
 Multiple reg if necessary

jumpers to remove Wall Wart
 Input if derived from DIN Connector

- 5V to ICD/ Input Intf
- 5V to primary Processor socket
- 5V to secondary processor socket
- 5V to Display/Breadboard

Input Area.
 Push Buttons and/or
 Toggle switches with
 pull up/down resistors

Connected to pins on
 Primary Processor

Output Area
 Two ULN200x drivers with
 two 7 segment LED displays

connected to pins on
 Primary Processor

Output Area
 One ULN200x driver or
 discrete transistors for relay or
 motor drive experiments etc.

connected to pins on
 Primary Processor

"Logic Probe" Area
 One ULN200x driver with
 7 discrete LEDs
 (possibly a mix of colours)
 for pin activity diagnosis
 or Output Indicators

Use flying leads with single pin connectors
 to connect to any PIC pin on either processor.

Breadboard Area
 Consists of all spare PCB area
 filled with dual in line pads or
 "measles dot" pads on 0.1" centres