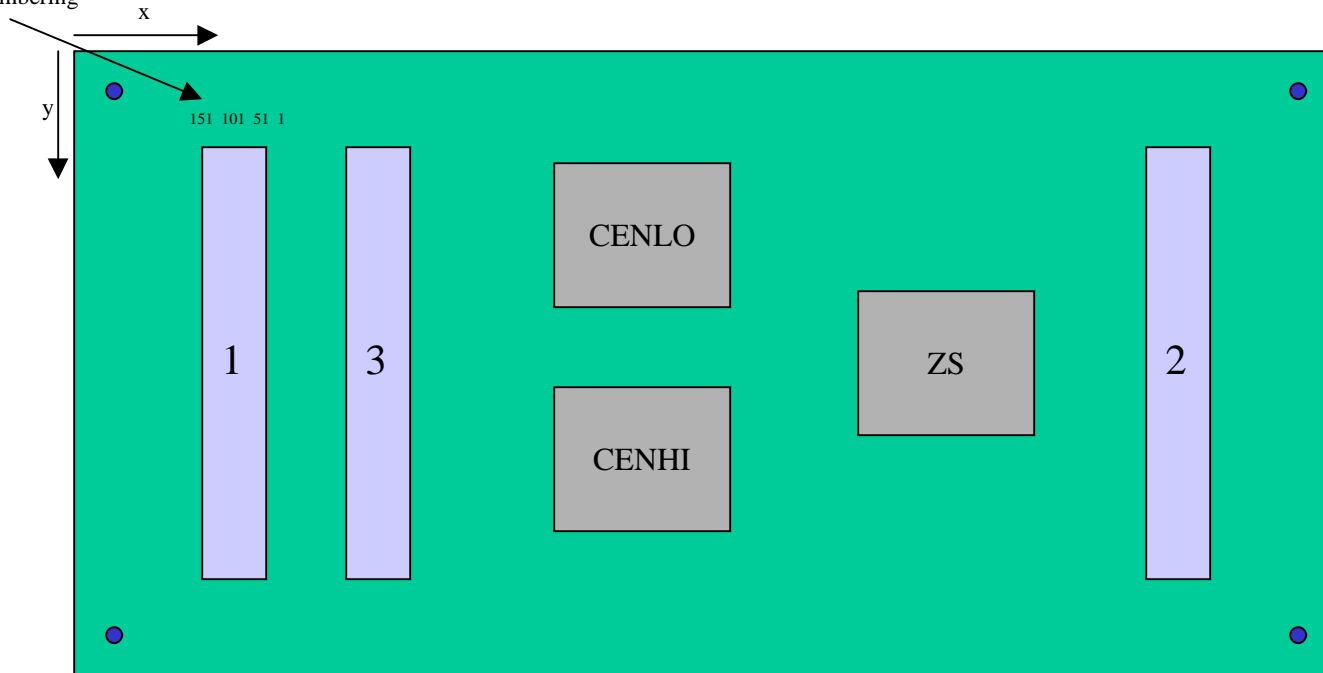
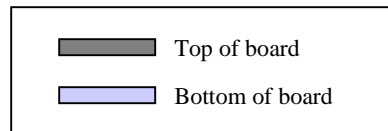


New Physics Board

Note pin numbering



Width: 9.400"
Height: 3.450"



Connector 1:
X: 1.0" Y: 0.5"
Connector 2
X: 8.5" Y: 0.5"
Connector 3
X: 2.0" Y: 0.5"

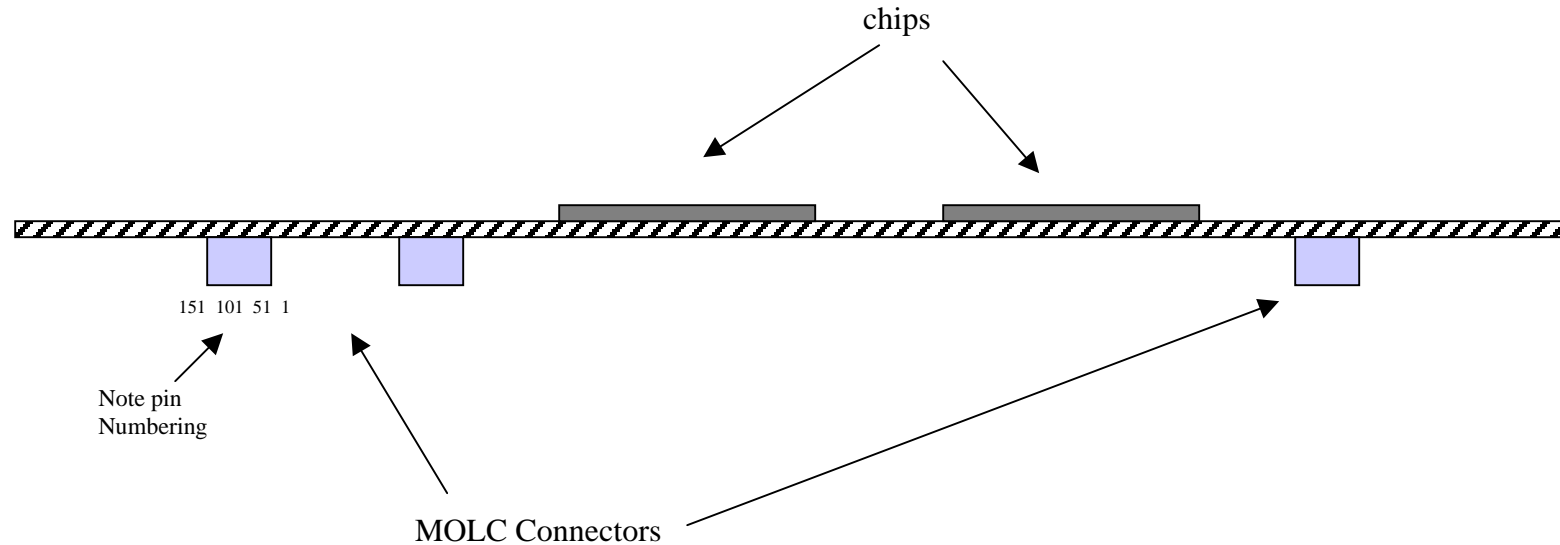
(This is the coordinate of the baseline pin, which in this case is number **51**)

Mounting holes:

- 1) X: 0.25" Y: 0.25"
- 2) X: 9.150" Y: 0.25"
- 3) X: 0.25" Y: 3.200"
- 4) X: 9.150" Y: 3.200"

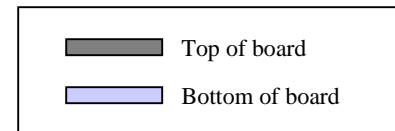
Holes are 110 mil diameter, 130 mil pad, and 150 mil power anti-pad.
Use padstacks in ALL cases

Components in Board

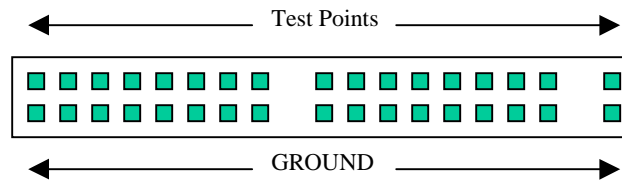


Other Notes:

- * Voltage Regulator for 2.5 as close enough from the 3.3V source as possible
- * Use bigger vias for power nets, except under BGA chips



Test Points



Test Point Sequence (left to right):

TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8

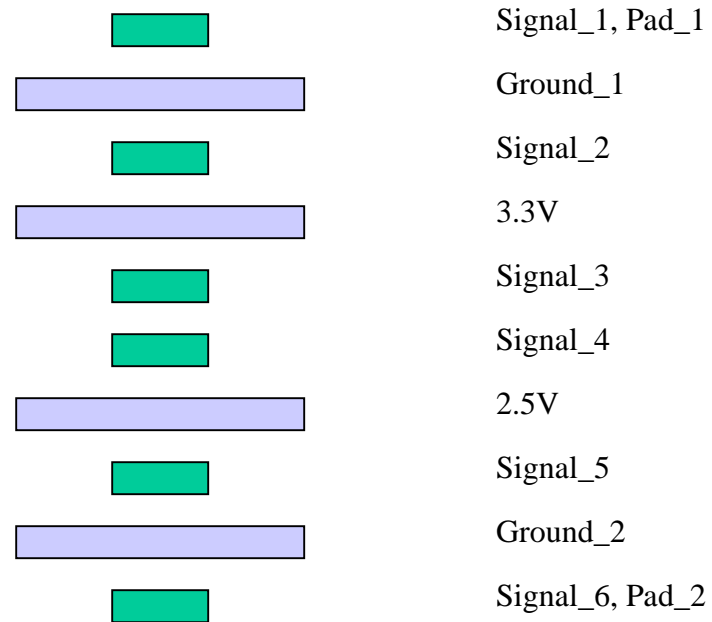
TP9
TP10
TP11
TP12
TP13
TP14
TP15
TP16

CLK

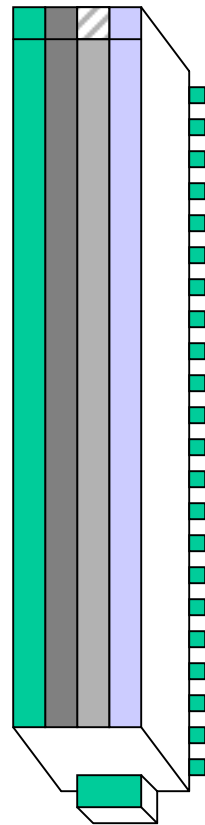
Please join test points as follows:
Use 0.1" spacing straight headers.
Separation between blocks is 0.2"

Test Points TP17, 2.5V and 3.3V
should be single pins of the same
type of headers

Recommended Stack-Up



Connector Pin Numbering



Pins 1 to 50



Pins 51 to 100



Pins 101 to 150



Pins 151 to 200



Location of Baseline pin

Note: This is looking at the bottom part of the board. So, in fact, the baseline pin is the closest thru-hole pin to the origin.