

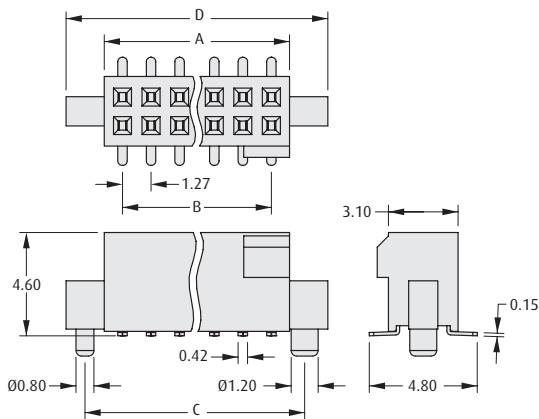
# M50 Connectors

## Vertical Surface Mount, Single Polarised

- ❖ Mating connectors in Surface Mount format.
- ❖ Female connector is also suitable for use with male connectors on page 98.
- ❖ Single Polarisation to prevent mis-mating.
- ❖ Female connector has locating pegs to ensure correct positioning on the board.
- ❖ Shrouded for additional pin protection.

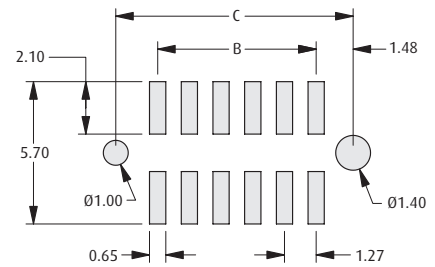
1.27mm (.050") PITCH

### FEMALE



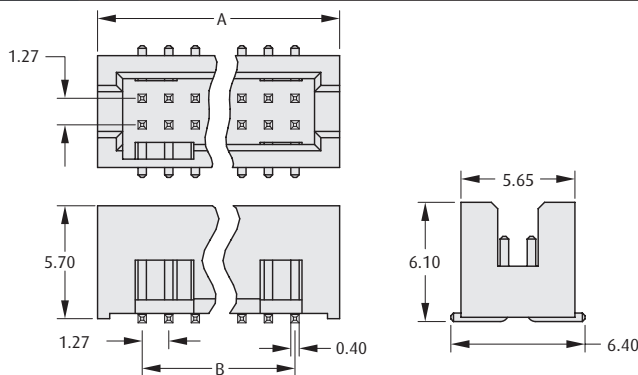
#### CALCULATION

<b>A</b>	$B + 1.62$
<b>B</b>	$1.27 \times (\text{No. of ways per row} - 1)$
<b>C</b>	$B + 3.15$
<b>D</b>	$B + 5.02$



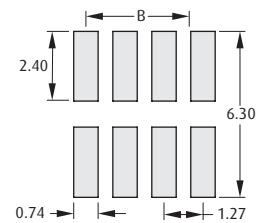
Recommended PC Board Pattern

### MALE



#### CALCULATION

<b>A</b>	$B + 4.47$
<b>B</b>	$1.27 \times (\text{No. of ways per row} - 1)$



Recommended PC Board Pattern

### HOW TO ORDER

**M50 - 4 X 0 XX 45**

**SERIES CODE**

**TYPE**

<b>3</b>	Female
<b>9</b>	Male

**NO OF WAYS PER ROW**

<b>03 to 50</b>	Female
<b>05 to 50</b>	Male

**FINISH**

**45** Gold

[www.harwin.com](http://www.harwin.com)

All dimensions in mm.



**HARWIN**