

## Mictor Cable Assembly Configuration Application Guide

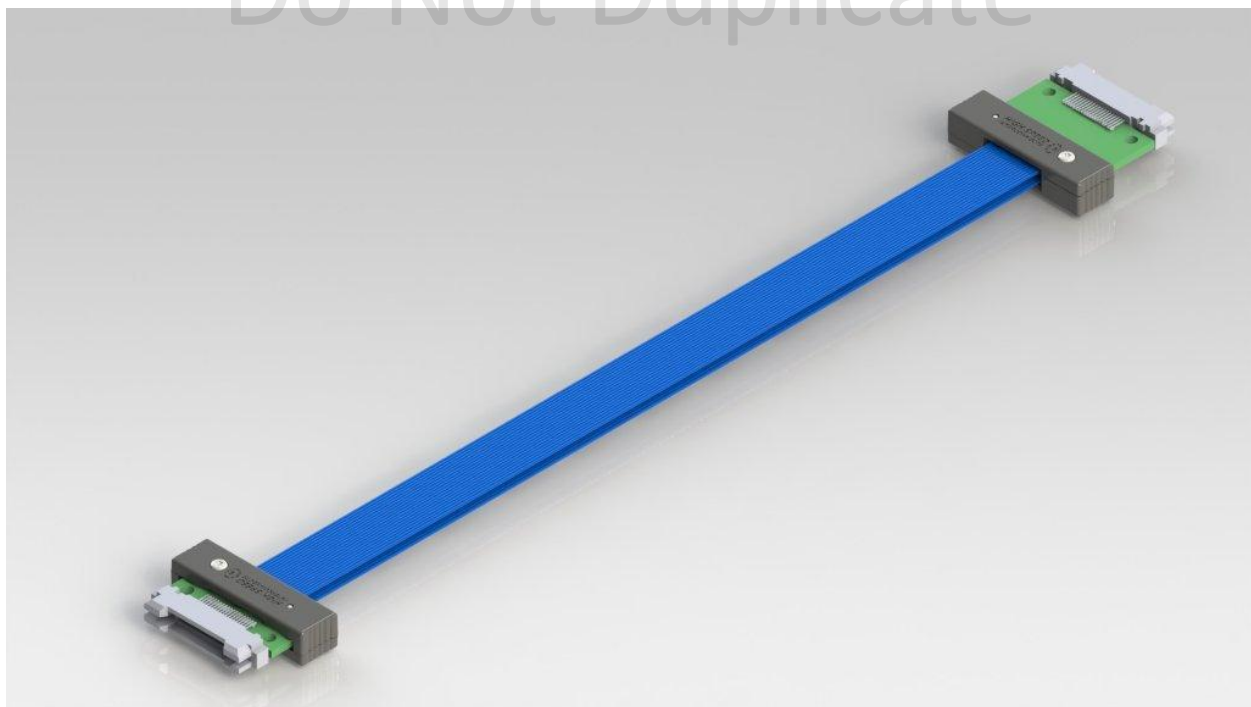
Mictor Cable assemblies are offered in multiple configurations. Cable assembly length and Mictor connector configuration for P1 and P2 cable ends may be selected using the cable builder tool. Wire mapping is typically specified as Pin1 to Pin1. For more information please contact High Speed Interconnects application engineering at 888-565-7878.

### Mictor Cable Assembly Configuration:

Choices for Mictor connector configurations are:

- 1) Plug or receptacle type connector
- 2) Right angle type (Figure 1) OR vertical mount type (Figure 2)
- 3) Pin 1 orientation for each cable end
- 4) Connector facing up or down for vertical mount type

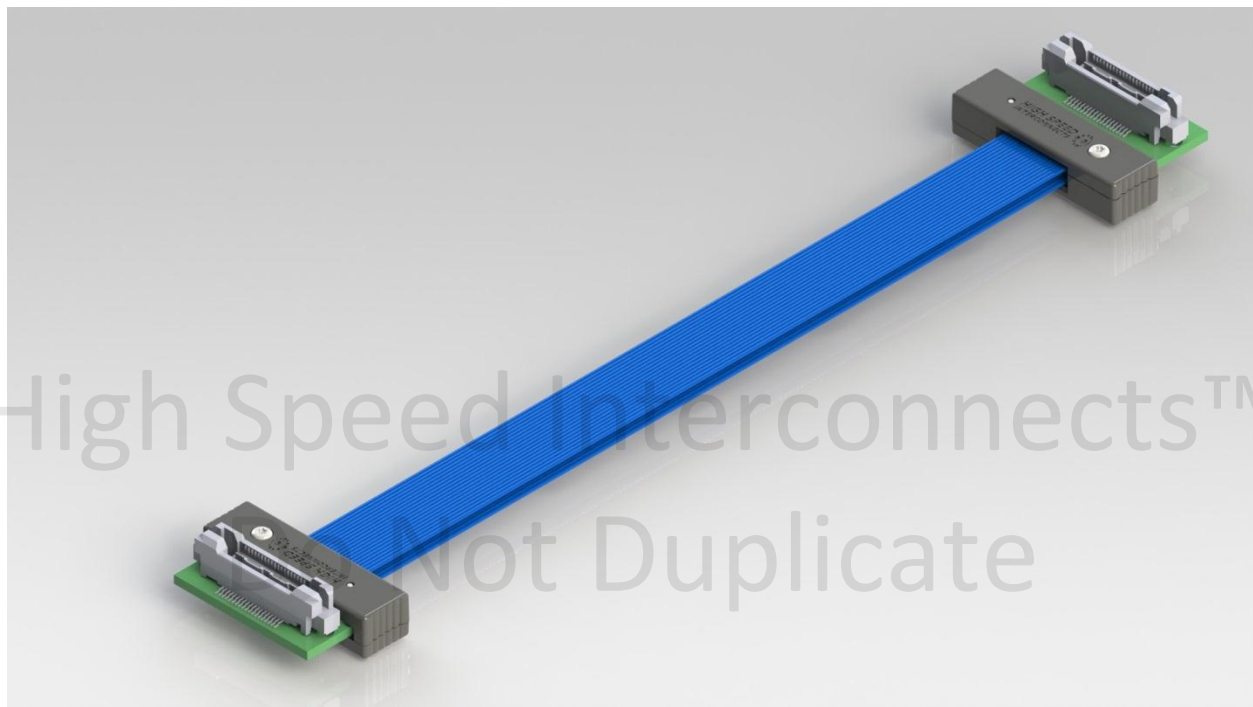
Right angle mount type may also be referred to as either edge mount or straddle mount type. Mictor connector configuration may be of any type for each cable end. Pin1 to Pin1 wire mapping is maintained for each possible Mictor connector configuration using various specially designed PCB's. Other available wiring mapping is Pin 1 to Pin N or Crossover (1-2, 2-1, ...).



**Figure 1 - Right Angle Plug to Right Angle Plug Mictor Cable Assembly Example**

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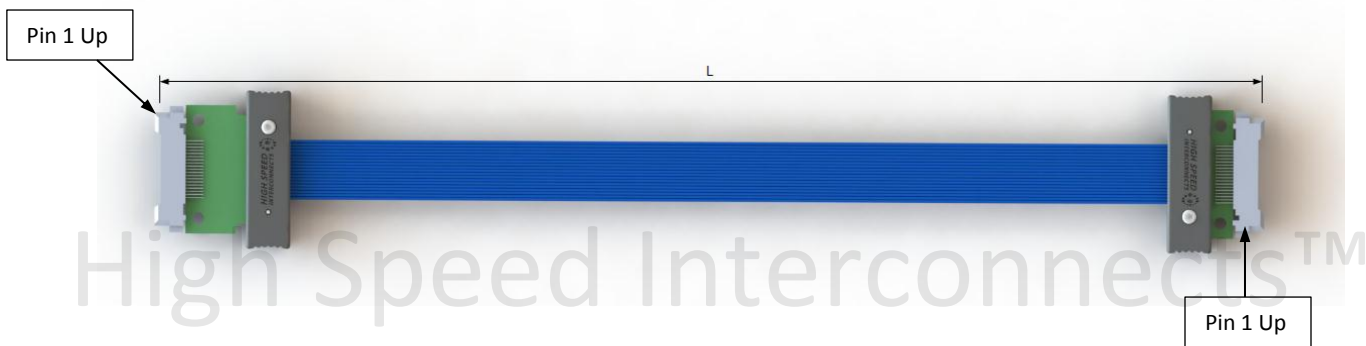
**Figure 2 – Vertical Plug to Vertical Plug Micro Cable Assembly Example**

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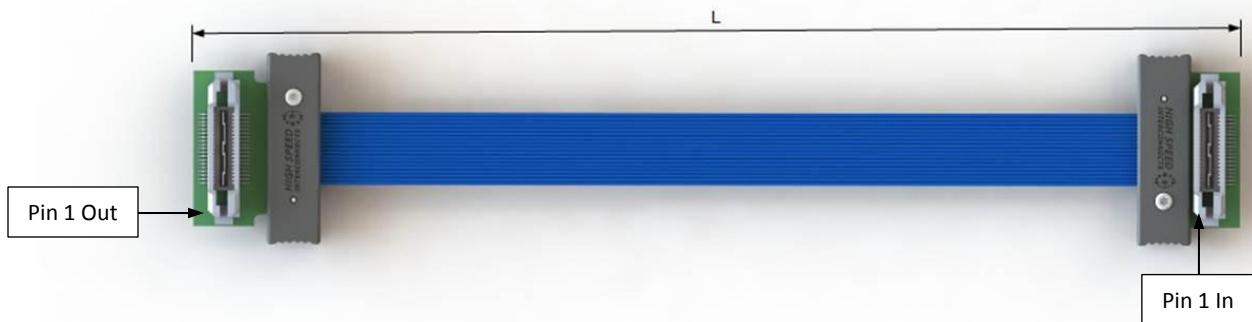
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**Mictor Cable Assembly Length:**

Cable assembly total length “L” is measured as overall assembly length from P1 to P2 end. For right angle type plug or receptacle ends “L” is measured from the edge of the connector face (Figure 3). For vertical type plug or receptacle ends “L” is measured from the edge of the PCB (Figure 4). Figure 3 shows connector oriented with Pin 1 side of connector facing up on both cable ends. Pin 1 may also face down. For Vertical mounted connectors more configurations are possible. Figure 4 shows cable end-one connector facing up with Pin 1 side facing out. The cable end-two connector also is mounted facing up but Pin 1 side is facing in. Vertical mounted connectors may also face down with Pin 1 in or out.



**Figure 3 – Right Angle to Right Angle Type Cable Assembly Length**



**Figure 4 – Vertical to Vertical Type Cable Assembly Length**

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