

Connector Orientation

Taoglas utilize many right angle style connectors on their embedded PCB, Flex PCB, Active GNSS Patch Series and Cable Assembly series of products. Multiple connectors variants for multiple cable types are available but the orientation of the connector can vary depending on the cable length used on the product.

Guidelines:

Cable length under 100 mm

Based on normal manufacturing capabilities, the connector orientation will match the product drawing to within $\pm 20^\circ$ of rotation around the cable axis. See Fig. 1.

Cable length 100 mm or longer

The connector orientation shown in the drawing is for reference only. The actual orientation may differ slightly. This is because longer cables require different routing during assembly to maintain product quality and RF performance. As a result, the exit direction of the connector may need to be adjusted.

Special Requirements:

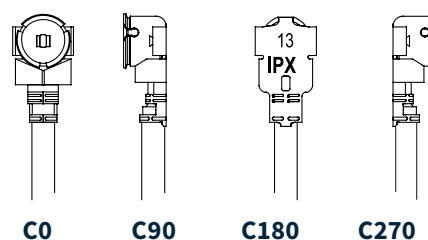
If your application requires a fixed connector orientation, please let us know. We can provide a customized part number to ensure the connector is positioned exactly as needed for your design. Based on the orientation configuration, see Fig. 2, the following clocking angle system will capture the orientation of the connector feed for the customer, and in turn the part number code, see Fig. 3.

- C0** Connector facing face up, same as antenna top surface / opposing adhesive surface
- C90** Connector 90 degrees clockwise (left) to C0 based on the cable exit above the antenna
- C180** Connector rotated to 180 degrees down, same as antenna bottom surface / adhesive surface
- C270** Connector 270 degrees clockwise (right) to C0 based on the cable exit above the antenna

Figure 2



Figure 3



Part Number Special Codes

Figure 1

