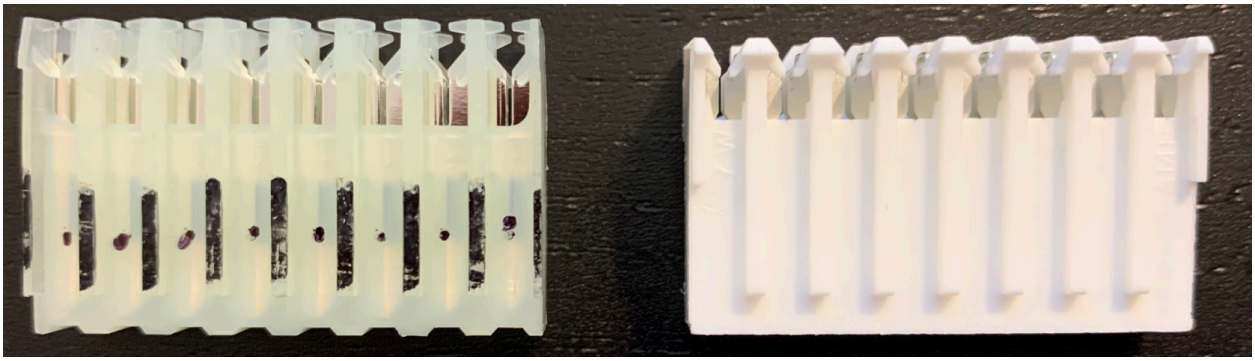
PLEASE READ THIS ENTIRE DOCUMENT BEFORE WIRING CONTROL SYSTEM



What kind of connectors are these, anyway?

This document is provided to explain what kind of connectors are pre-installed on the Opus-Two cards you have received. If the connectors look like the left side above, these are PanCon brand, and were the most common Insulation Displacement Connector in North America until being discontinued in 2019. More common in the rest of the world (and now the US) is the AMP connector on the right side of the photo above. By following the simple instructions we provide, the connectors will work without flaw for a very long time.

The connectors are fairly simple and include built-in wire holders for keeping wiring neat. It is impossible to overstate the importance of using the correct crimp tool on these connectors. Any other crimp tool (even if it appears to fit) other than the ones described on the next page WILL NOT WORK. The connection will appear to make and will become unreliable within a short period of time. Even worse is the use of a screwdriver when a crimp tool is not available – this will lead to certain failure.

The connectors are color-coded for different gauge wires. While some play may exist one way or the other (and has with some clients with no known problems, such as using AWG26 wire in an AWG24 connector), we strongly stand by using only AWG 24 wire in the connectors we ship, as that is what they are intended to receive.

If you have one of the correct tools below, feel free to use it. PanCon tools were often shipped to Ztronics, Classic Organ Works, and Klann customers over the last 30+ years.

The tool on the left is the PanCon (for use with the connector on the left on the first page). The tool on the right is the AMP tool (for use with the connector on the right on the first page).

.156 Spacing:
Newark Part# 67F997
PanCon's part number is MRT-156F
These are no longer commonly available.

.100 Spacing:
Newark Part# 67F996
PanCon's part number is MRT-100F
These are no longer commonly available.

.156 Spacing:
Newark Part# 50F732
AMP's part number is 59804-1
Latest cost was $40.49

.100 Spacing:
Newark Part# 98F2821
PanCon's part number is 59803-1
Latest cost was $35.10

For PanCon (only), an individual punch tool that holds/cradles the IDC while properly depressing the wire in was available:

.156 Spacing:
Newark Part# 95F3537
PanCon's part number is MMIT-156F
Latest cost was $149.08

.100 Spacing:
Newark Part# 95F3536
PanCon's part number is MMIT-100F
Latest cost was $149.08