

Circular Connectors Introduction

A range of high reliability, rugged, RoHS-compliant Circular Connectors to meet the high standards of MIL-DTL-5015, priced to be cost-effective for commercial and industrial applications.

These connectors are designed for use in harsh environments. The high specification connectors are Cadmium-free and Hexavalent-Chromium-free to satisfy the requirements of RoHS (unlike the military standard version of MIL-DTL-5015). The connector range features free plugs, panel mount and cable connector orientations, in a number of popular shell and layout types. Pin and socket contacts can be selected in either side of a mating pair.

- ❖ Increased operating temperature range: -55°C to +125°C
- ❖ Stocked in depth across Harwin's authorized distributor network

Features

- ❖ Intermateable with MIL-DTL-5015
- ❖ Low cost, highly durable & rugged connector system
- ❖ Solder termination
- ❖ Full environmental sealing with the use of backshells and sealing gaskets, exceeds IP67
- ❖ Threaded and polarized coupling
- ❖ Zinc Cobalt alloy black shells, for RoHS compliance
- ❖ COTS applications where MIL spec is not mandatory

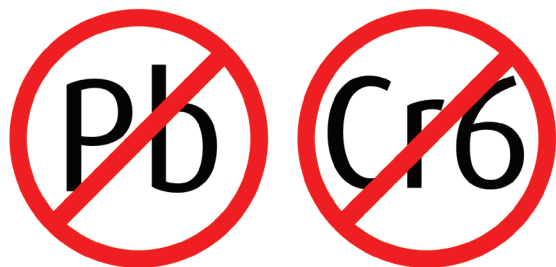


All dimensions in mm.

Circular Connectors Product Features

RoHS compliant alternative

The military version of these connectors requires a Hexavalent Chromium mixture in the black coating - the Harwin alternative uses a different Zinc Cobalt alloy which is just as durable.



Fully compatible with MIL-DTL-5015

All other material, dimensional and performance specifications are met. Connectors are fully compatible with MIL-DTL-5015 connectors.



Watertight connection

Exceeds IP67 sealing requirements - when mated and fitted with all gaskets and rubber bushings, capable of water immersion of 1.8m for 48 hours.



Simple solder cable assembly

All contacts are terminated in a solder cup design, for attachment to 16 to 22AWG cables.



Strong, durable body and backshell

Connector bodies are manufactured from a strong aluminium alloy, coated with a black zinc cobalt alloy for additional durability.



Ideal for COTS substitution

Meeting all the requirements for the existing military product, substitution for this RoHS alternative gives potential product cost savings.



All dimensions in mm.