

## Save Money with Cost Effective ARINC!

Reduce your costs with the Cost Effective ARINC equipped with harpooned contacts. This version is interchangeable in fit, form and function with standard ARINC 600 Series connectors.

**New non removable contacts** ■ Cost reduction up to 25%.

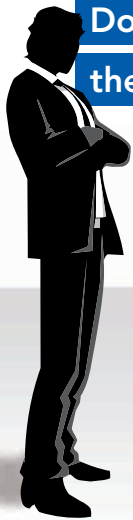
**Interchangeability** ■ Mates with a standard ARINC plug.

**Adaptability** ■ 3 PC tail contacts length (#22).

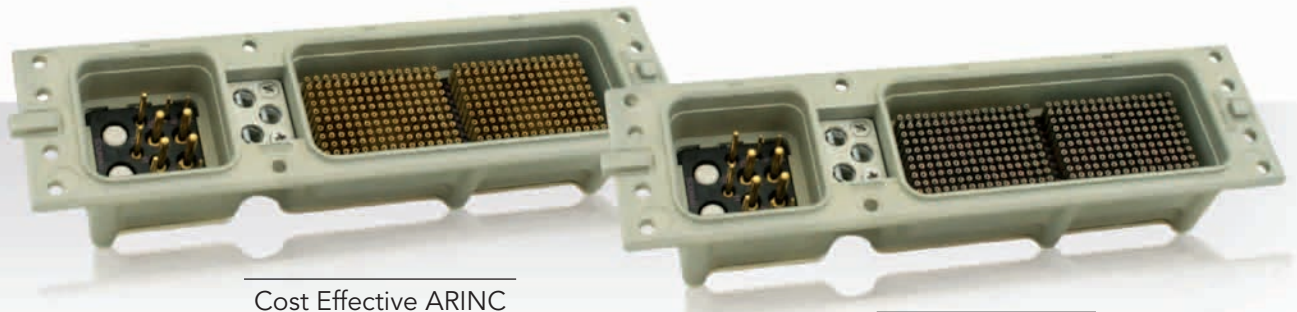
**2 types of inserts available** ■ Harpooned contacts available in 100 and 150 point inserts.



## Comparison with standard ARINC 600



Do you see any difference between these two connectors?



Cost Effective ARINC

Standard ARINC

No? Read below

The technical characteristics of the Cost Effective ARINC compared to the Standard are:

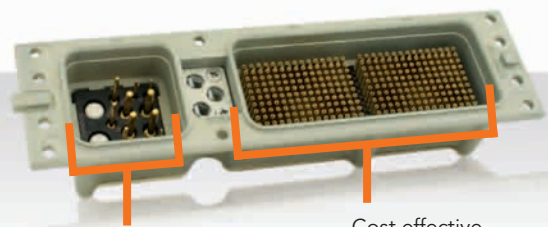
- Selective gold plating - Active part
- Non removable contacts
- Insert modification (one piece part)
- No contact marking, no insert marking
- Insert always pre-loaded with contacts



This technology allows you to SAVE money!

In Addition:

Possibility to MIX cost effective and standard inserts in the same shell



Standard insert

Cost effective inserts



## Description

- High performance avionic equipment
- Rack and panel rectangular connectors compliant to ARINC 600 specifications
- High density up to 800 signal contacts
- Low insertion force contact design (tapered pin, LIF socket)
- Unsealed versions
- Multiple polarizing positions
- Field replaceable inserts, featuring:
  - Non removable contacts
  - Signal contacts

## Technical features

### Mechanical

- **Shell:**  
Aluminum alloy to QQ-A-591
- **Shell plating:**
  - . Alodine 1200 passivation to MIL-C-5541 class 1
  - . Nickel
- **Contact:**  
Copper alloy to QQ-B-626
- **Contact plating:**  
Gold plated compliant to MIL-G-45204 over nickel to QQ-N290
- **Insulator:**  
Thermoplastic
- **Endurance:**  
500 mating/unmating operations

- **Insertion and extraction forces max:**
  - . Shell size 2: 267N (60 lbs)
  - . Shell size 3: 467N (105 lbs)
- **Vibrations:**
  - . 8 hours in each axis
  - . Random vibration at 16.4 g Rms from 50 to 2000 Hz (MIL-STD-1344 A method 2005-1)
- **Dynamic shock:**  
3 impacts of 50 g in all axis, duration 11µs (half wave) to MIL-STD-202 method 213

### Environmental

- **Operating temperature:**  
-65°C to +125°C
- **Resistance to salt spray:**  
48 hours (MIL-STD-202 method 101 or MIL-STD-1344 method 1001)

### Electrical

- **Dielectric withstanding voltage:**

	Sea level	15 000 m
Mated	1500 Vrms	500 Vrms
Unmated	1500 Vrms	500 Vrms

- **Voltage rating:**
  - . 500 Vac Max
  - . 125 Vac at 21000 m
- **Insulation resistance:**  
≥ 5000 MΩ

For further information contact us at [contactmilaero@souriau.com](mailto:contactmilaero@souriau.com) or visit our web site [www.souriau.com](http://www.souriau.com)