



FOR IMMEDIATE RELEASE

### **Radiall formalizes its Selective Plating offer for NSX Arinc 600 Connectors**

January 2019 – Radiall, a global leader in design, development and manufacturing of innovative interconnect solution integrates its Selective Gold Plating contacts to the standard NSX Arinc 600 offer. Fully integrated to the latest generation of cost-efficient, greener and high-speed connectors, this option offers cost savings while being fully qualified under the Arinc 600 standard.

To address the aero market challenges, strong competition and regulations, Radiall launched a new generation of contacts. With a reduced amount of gold on non-active areas (0.12  $\mu\text{m}$  vs 1.27  $\mu\text{m}$  on standard contacts), the selective plating contact solution offers up to 10% connector savings vs the same configuration with standard contacts.

Available for replacing front release / front removable #22 PC tail socket contacts, the selective plating offer provides immediate cost savings. It also simplifies processes since no gold removal is needed prior to soldering. In addition, the selective plating #22 PC tail socket contacts are fully intermatable with standard #22 pin contacts and offer 100% backwards compatibility with existing PC boards. The selective plating #22 PC tail socket contacts are proposed in the same four lengths as legacy contacts.

By keeping its contact-proven technology and the same gold plating on active areas (1.27  $\mu\text{m}$ ), Radiall's selective-plating contacts still offer the same performance, level of conductivity and removability function as standard contacts; additionally, they will offer improved pricing stability and reduce dependence on raw materials.

To reduce costs even more, the existing 150 and 100 cost-effective inserts can be selected within the same connector with any other inserts equipped with selective plating #22 PC tail socket contacts. This provides additional cost savings up to 20%, as well as weight savings up to 10%.

#### **Specifications (General):**

Fully qualified under Arinc 600 specifications, Radiall's new design offers the following characteristics:

- Temperature range: - 65 °C/+125 °C
- Temperature life: 1000 hours at 125 °C
- Salt spray: EIA364-26 test condition B (48 hours)
- Fluid resistance: EIA364-10 (fluids a, e, i)
- Durability: 500 mating and unmating cycles
- Random vibration: EIA364-28 test condition V letter E. (16.91 g, from 50 to 2000 Hz, 8 hours per direction)
- Shock: EIA364-27, 50 g 11 ms half sine, 3 impacts per direction
- Mating force:
  - connector size 1: 27 pounds (120 N) max
  - connector size 2: 60 pounds (267 N) max
  - connector size 3: 105 pounds (467 N) max

## **About Radiall**

Radiall is a global manufacturer of leading-edge interconnect solutions. The company offers an extensive range of RF coaxial connectors and cable assemblies, coaxial switches, fiber optic and microwave components, multipin connectors and more. Radiall has sales offices and subsidiaries throughout the world, R&D in the U.S., Europe and China, along with manufacturing facilities strategically located in the U.S., Mexico, India and China.

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