

## Arinc 600



### The Cost Effective Solution

**Radiall's Arinc 600 budget conscience NSX receptacle connectors are a low cost alternative without compromising performance. Selective gold plating on the contacts and new monoblock insert technology reduce costs, while still providing a fully qualified Arinc 600 connector.**



Radiall's Arinc 600 Cost Effective NSX receptacle connectors are aimed at Avionics manufacturers who are looking to provide their customers with proven technology, reduced cost, and lightweight connectors.

Available for size 2 and 3 receptacle connectors for arrangements containing 100 and/or 150 point modules, they feature a monoblock insert pre-fitted with selective plating contacts.

Fully integrated to the widest range of Arinc 600 connectors on the market, Radiall's Cost Effective solution offers up to 10% weight reduction while cutting costs. They are fully intermeatable with Arinc 600 plugs and offer 100% backwards compatibility with existing PC Boards.

### Features

- Monoblock insert with pre-fitted contacts reduces cost and weight
- Screw machined contacts with selective gold plating for durability and price stability
- Fully integrated within Radiall's Arinc 600 range – for the widest choice of cost effective connectors on the market
- 100% qualified under Arinc 600 specifications
- Backwards compatibility with existing PC Boards
- RoHS compliant



The widest choice of high-performance interconnect solutions and award winning service, for a fraction of the price: Radiall's Arinc 600 Cost Effective solution offers you service and quality at the best price.

## The Cost Effective Solution

### Arinc 600: The Cost Effective Solution



This solution offers a new monoblock insert available for size 22 PC tail contacts, in 100 and 150 points configurations. Molded in one piece and fitted with fixed contacts, it simplifies the manufacturing process to reduce cost and weight. The insert's unique design supports basic movement of the contacts inside the cavity to provide mechanical play offering a mating force similar to traditional Arinc 600 connectors.

The selectively plated contacts provide the same level of conductivity as fully plated contacts, while providing pricing stability because it is less impacted by fluctuating gold prices.

### General

- Temperature range: - 65°C/+125°C
- Temperature life: 1000 hours at 125 °C
- Salt spray: MIL-STD-1344 method 1001.1 test condition B (48 hours)
- Moisture resistance: MIL-STD-1344 method 1002.1 test condition II (10 times 24 hours)
- Sealing: environmental resistance to running water (environmental version only)
- Fluid resistance: resistance to MIL-STD-1344 method 1016 (fluids a, e, i)
- Durability: 500 mating and unmating cycles
- Random vibration: conforms to MIL-STD-1344 method 2005.1 test condition 5 letter E. (16,4g from 50 to 2000 Hz, 8 hours per direction)
- 50g 11 ms half sine. MIL-STD-1344 method 2004.1, 3 impacts per direction
- Mating force for 3 connector sizes:
  - › size 1: 27 pounds (120 N) max
  - › size 2: 60 pounds (267 N) max
  - › size 3: 105 pounds (467 N) max
- 4 contact length sizes available