



The RoHS alternative to replace cadmium

The best value for money solution

Souriau Zn Ni



A unique Souriau plating process alternate to cadmium.

RoHS compliant



A unique Souriau plating process compliant with RoHS regulation for cadmium and Cr6+ restriction.

The first QPL qualified



The Souriau Zn Ni is the first solution which has been qualified by US Defense authority (DSCC).

High corrosion resistance

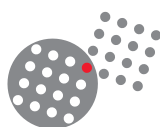


500 hours salt spray.

Available in mass production



Available for the whole 38999 Series III aluminum range.



38999 Series III Zinc Nickel



The new Souriau RoHS Zinc Nickel QPL qualified: The first cadmium free plating

The European Directives introduce environmental responsibilities for electrical and electronics equipment manufacturers: the RoHS (Restriction of use of certain Hazardous Substances) directive, part of the WEEE (Waste Electrical and Electronic Equipment) directive.

The MIL-DTL-38999 rev. L also provides guidance on the use of alternative parts for connectors with less hazardous or nonhazardous materials. In this regard, the specification defines the alternative plating finishes.

Souriau is proud to announce that the Souriau Zinc Nickel is the first QPL qualified to this last release of the standard (rev. L). [See DSCC Information Sheet for Electronic QPL-D38999.](#)

For 10 years Souriau is offering ZnNi and has improved the production process to be in accordance with this new guidance. The Souriau ZnNi is as of today the best value to money answer to the customers who need to get an alternative to the cadmium with less hazardous or non hazardous materials. Souriau guarantees the RoHS compliance.

Technical Characteristics

- Color: black not reflective
- Shell continuity: 2.5 mΩ
- Shielding: 90dB at 100MHz
- Temperature range: -65°C +200°C
- Fully meet the MIL specifications
- Meet the ASTM B841 in terms of dynamic 500h salt spray performance



Part number

Basic Series	D38999	20	Z	B	35	P	N	L
Shell style: 20: Square flange receptacle 24: Jam nut receptacle 26: Plug with RFI shielding								
Plating: Z: Black zinc nickel								
Shell size: A - B - C - D - E - F - G - H - J								
Contact layout: Consult our catalogs or www.souriau.com								
Contact type: P: Pin A: Connector supplied less pin contact or with specific contacts (connector marking: A + orientation) S: Socket B: Connector supplied less socket contact or with specific contacts (connector marking: B + orientation)								
Orientation: N, A, B, C, D & E								
L: For P or S contact type only, connectors delivered without contacts, connectors marking P or S (without L)								

Note: Zinc Nickel plating also available for other Souriau part number (8D) and range extension available on request.

38999 Series III Zinc Nickel



QPL RoHS Solutions on the Market - Comparison

Requirement	Electroless Nickel	Cadmium	Zinc Nickel Black	Others	
				Nickel Fluorocarbon Polymer	Pure Electroposited Aluminum
Finish code	F	W	Z	T	P
RoHS Compliant	✓	No	✓	✓	
Available in mass production	✓	✓	✓	No	
Finish according to standard	ASTM B733	ASTM B766	ASTM B841	No standard (proprietary process)	
Shell-to-Shell Continuity	< 1 mΩ	✓			
	< 2.5 mΩ	✓	✓	✓	
Cycles of Durability (500 mates)	✓	✓	✓	✓	
Dynamic salt spray resistance (500 hours)	48h	✓	✓	✓	
Temperature rating	according to standard 175°C	✓	✓	✓	
	200°C	✓	No	✓	
Not Reflective	No	✓	✓	✓	
Non-Magnetic	✓	✓	✓	✓	
Cr6+ < 0.01 % (RoHS limit = 0.1 % max)	✓	No	✓		



Souriau Zinc Nickel:

The Best in terms of price and performances for aerospace & defense equipments !

For further information contact us at contactmilaero@souriau.com or visit our web site www.souriau.com