Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

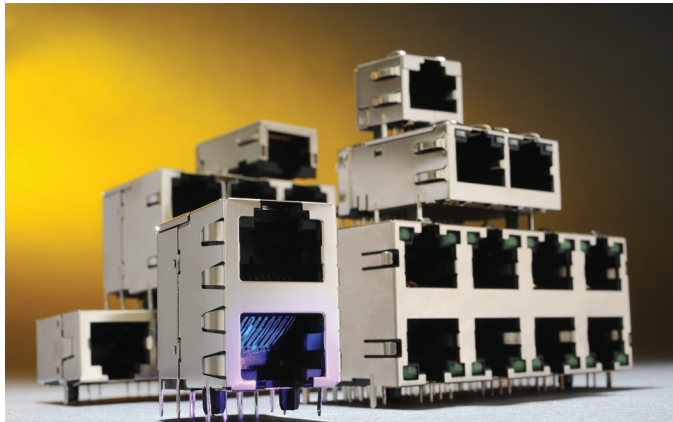## Contact us

EPP-918A Environmental Protectant

Ruggedized Modular Connectors for Harsh Environments

Stewart's EPP-918A protectant improves product reliability by providing an unprecedented level of defense against harsh environmental conditions. In addition to providing superior moisture, humidity, and corrosion reistance, EPP-918A also shields against wear due to repetitive mating/unmating forces. By guarding contacts with our patented protective coating, EPP-918A prolongs the life of contacts within RJ11 and RJ45 jacks despite exposure to extreme environmental conditions. Once applied (during the manufacturing process), EPP-918A will not migrate — it adheres to contacts instantly and remains intact without the need for additional tape, mechanical barriers, or cure time. This characteristic eliminates the added expense that other barrier methods often entail.
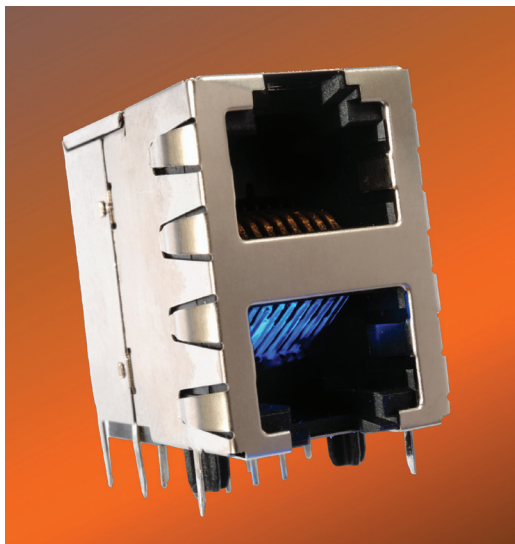
EPP-918A environmental protectant can be used with virtually any Stewart connector product to increase durability and reliability.

Key Features & Benefits

- Improves durability and reliability for RJ11 and RJ45 jacks

- Prevents corrosion from harsh environmental conditions

- Withstands high temperature soldering (in excess of 260° C for 10 seconds)

- Superior resistance to wear and tear during insertion testing

- Low Level Contact Resistance (LLCR) testing to 2500 cycles with no measurable change to gold-plated contacts

- Contains UV tracer for visible inspection of EPP-918A coating on contacts

- RoHS6 compliant

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Applications

EPP-918A is useful in any application involving harsh environmental conditions and/or a very high number of mating cycles. Stewart's EPP-918A is suitable for network systems and devices used in:

- Fiber to the Home (FTTH) networks
- Industrial Ethernet networks
- Outdoor network and communications equipment
- Military field equipment

- Marine environments
- Warehouse applications
- Mining, oil, and manufacturing applications
- EMT communication devices
- Field test equipment

EPP-918A Typical Properties

Property	Value	Test Method
Color	Light Yellow	—
Specific Gravity	0.75	ASTM D-792
Density	0.89	ASTM D-1480
Operating Temp Range	-40° to +85° C	—
Water Solubility	Negligible	—

Connector Products with EPP-918A

Part Number	Contacts	Positions	Gold Contact Plating	Description
SS60000-009G	8	8	50 micro-inches	Single-port, shielded, right angle jack
SS60000-007G	8	8	50 micro-inches	Unshielded, vertical jack
SS64000-057G	8	8	50 micro-inches	Shielded jack with enhanced shield
SS66800-036G	8	8	30 micro-inches	8-port harmonica, non-flanged jack
SS70100-011G	8	10	30 micro-inches	Single-port, shielded, micro jack with panel grounds
SS71800-018G	8	8	30 micro-inches	Single-port, CAT5/5e jack with panel grounds
SS73100-050G	8	8	50 micro-inches	12-port, high performance, shielded StackJack