



RJ45/USB SUPERSEAL™

Ruggedized bayonet and reverse-bayonet RJ45 and USB connectors for industrial/rail applications

Glenair offers the world's most comprehensive line of ruggedized RJ45 Ethernet and USB connectors in 5015 and 26482 type connector packaging. The Series ITS reverse-bayonet and IPT bayonet RJ45/USB SuperSeal™ lines offer fast mating and demating, resistance to vibration and shock, as well as superior sealing for complete protection against water, sand and dust in harsh environment applications. High-performance RJ45 and USB inserts feature integrated shielding and grounding in both plug and receptacle connectors plus crimp, solder-cup, PC tail and Quadrax contact/wire termination options.

- Proven reverse-bayonet mating for vibration and shock resistance
- Superior sealing—IP67 in unmated condition—compared to other available environmental circulars
- Rear-release crimp contact termination and USB/RJ45 jumper accommodation
- Superior grounding for electrostatic discharge and EMC
- Superior cable shield termination with integrated banding platform
- Optional spring-loaded protective covers for environmental protection of junction boxes and switches
- Wide range of high speed Ethernet/network protocols supported, including USB 2.0 and RJ45

In addition to ITS series (5015 type) reverse-bayonet solutions, low-profile series IPT bayonet RJ45 SuperSeal™ connectors and integrated box assemblies are also available



USB AND RJ45 SuperSeal™ Ruggedized Bayonet and Reverse-Bayonet Connectors



Product Selection Guide



SuperSeal™ 5015 Reverse Bayonet Plug with Cat 5e RJ45 Plug and Rear Crimp Contact Termination



SuperSeal™ 5015 Reverse Bayonet Plug with Cat 5e RJ45 Plug and Pre-Terminated Pigtail



SuperSeal™ 5015 Reverse Bayonet Receptacle with Cat 5e RJ45 Jack and Pre-Terminated Pigtail



SuperSeal™ 5015 Reverse Bayonet Receptacle with Cat 5e RJ45 Jack and PCB Termination



SuperSeal™ 5015 Reverse Bayonet Receptacles with Cat 5e RJ45 Jack/Jack Couplers



SuperSeal™ Reverse Bayonet RJ45 Connectors Cable Clamps, Cable Glands, and Backshells

PRODUCT SPECIFICATIONS

MATERIAL AND FINISHES:

Shell/coupling – High strength Aluminum alloy
Plating – Electroless Nickel, Cad O.D., Black Zinc Cobalt or Std. black electrodeposited paint
Bronze, stainless steel and other materials and finishes available. Please consult factory.

SHELL TYPE AND SIZES:

Shell Type – D5015 Reverse-Bayonet Type
Sizes – Shell size 18

CONNECTOR STYLES:

Receptacle – MIL-DTL-5015 type in shell size 18 with integrated RJ45 jack/jack or jack/PCB coupler available in Cat 5e
Plug – MIL-DTL-5015 type plug in shell size 18 with integrated RJ45 plug/jack coupler available in Cat 5e

Available in square flange front or rear wall mount with slotted or round holes, jam nut front or rear wall mount, in-line, and feedthrough configurations.

TECHNICAL CHARACTERISTICS:

Category – Cat 5e
Connection – 10BASE-T, 100BASE-TX, 1000BASE-T
Max Current Rating – 1.5 Amps at 20° C
Dielectric Withstanding Voltage – 1000 volts
Working Temperature – -40° to +85° C
Environmental Rating – IP67 unmated

TERMINATION OPTIONS:

Crimp contact and PCB termination, pre-terminated pigtails; jack/jack and jack/plug RJ45 configurations