



SuperSeal[®]
RJ45/USB

The widest range of
mission-critical interconnect
technologies in the world



Glenair SuperSeal[™]
Ruggedized Field RJ45 / USB Connectors

SuperSeal[®] RJ45 and USB Field Connectors



Improved environmental sealing, grounding, and a broader range of wire termination options for RJ45 and USB — now for SuperSpeed 3.2 Gen 2



- New SuperSpeed USB 3.2 Gen 2 protocol support
- Superior sealing — IP67 unmated — for complete system protection against water, sand and dust
- Highly durable SuperSeal insert design, provides enhanced operating temperature, increased life-cycle, and rugged vibration and shock performance
- Crimp, solder-cup, PC tail and cable assemblies

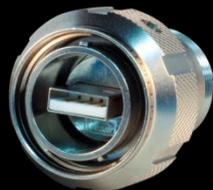
SuperSeal™ RJ45 and USB Connector Series



MIL-DTL-38999 Type



Mighty Mouse Sr. 801, 804 and 805



Series ITS (5015) Type



Series IPT (26482) Type



MIL-DTL-28840 Type



SuperSeal®
RJ45/USB

Key Technical Specifications Shared Across the Five SuperSeal™ Connector Series



Shared Technology:

- IP67 sealing in unmated condition
- Available Transient Voltage Suppression
- Crimp and poke termination
- PC tail and solder cup
- Accessory threads
- Superior grounding
- MIL-STD-1560 arrangements



Shared Technology:

SuperSeal™ Shell and Termination Types



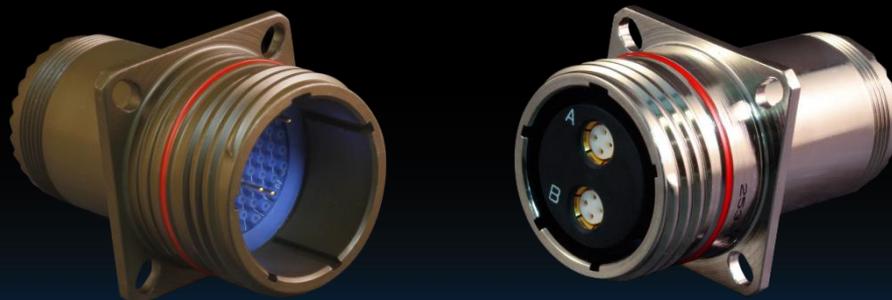
SuperSeal®
RJ45/USB

RJ45 CAT5E

- Jack-to-Jack and Plug-to-Jack
- Jack or Plug to...
 - Crimp and poke
 - Solder cup
 - PC tail
 - Quadrax
 - Compliant pin

Bulkhead Feed-Thrus

- Jack-to-Jack
- Pin or Socket to Jack
- Double RJ45
 - Jack-to-Jack and Plug-to-Jack
 - Pin or Socket



Shared Technology:

High-Performance RJ45 Coupler



- Equipped with auxiliary O-ring
- IP67 un-mated, IP68 mated
- One piece keyed design ensures insert durability (mate/de-mate)
- Internal shielding continuity through coupler
- Versions for
 - 1000-BaseT / Cat5E
 - 10GBase / Cat6



Shared Technology:

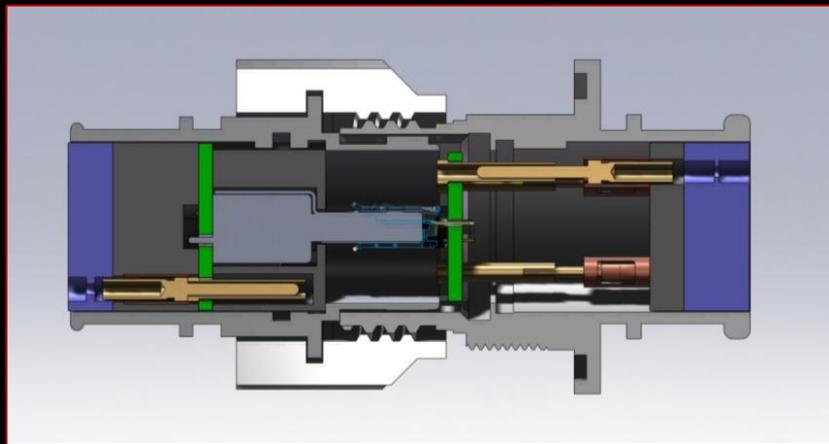
High-Performance USB Coupler



- Plated/conductive
- IP67 un-mated
- One piece keyed design ensures insert durability (mate/de-mate)
- Internal shielding continuity through coupler

Shared Technology:

Crimp Contact Termination Board



- Available in all five connector families
- Integrated PC board accepts standard crimp-contact wire termination



Shared Technology:

Wire Termination Options



- PC tail termination
- Solder cup termination
- Commercial plug-to-jack
- Pre-wired pigtail
- Crimp

SuperNine[®] Field RJ45 Solutions

The Only RJ-45 38999 with advanced sealing and grounding



Connector/Adapter with RJ45 Jack/Jack or Plug/Jack Couplers



Connector with RJ45 Jack or Plug to Rear Crimp Contact Termination



Connector with RJ45 Jack to PC Tail Termination



Connector with RJ45 Jack to Rear Solder Cup Termination



Connector with Pin or Socket Contacts to RJ45 Jack or Plug Interface



Connector with Pin or Socket Quadrax to RJ45 Jack or Plug



Feed-Thru Receptacle with RJ45 Jack-to-Jack Coupler



SuperNine[®] Field USB Solutions

The Only USB 38999 with advanced sealing and grounding



Connector with USB Type A or B Plug-to-Receptacle
or Receptacle-to-Receptacle Coupler



Connector with USB Type A or B Receptacle
to Crimp Contacts



Receptacle with USB Type A or B
Receptacles to PC Tail Termination



Receptacle with USB Type A or B Receptacles
to Solder Cup Termination



Connector with Pin or Socket Contacts
to USB Type A or B Receptacles

Series 80 Mighty Mouse SuperSeal™ USB



Series 801 double-start threaded



Series 805 triple-start



Series 804 quick-disconnect



Mighty Mouse SuperSeal™ - USB Type A

- Mated IP68 Sealing
- Enhanced operating temperature
- Rugged shock and vibration performance



Also Available: High Performance MIL-DTL-28840 Type RJ-45 and USB



- IP67 sealing in unmated condition
- Crimp and poke termination
- Superior grounding



Cat6a Jack-to-Jack Coupler

Robust design and superior performance

- Meets Cat6a performance in all parameters
- Meets IP68 sealing unmated condition
- Shielded in-line and 360° with a shielding sleeve



Shared Technology:

USB 3.0 SuperSeal™ Cable Assemblies



- Ruggedized USB 3.0 solution
- Meets USB 3.0 spec performance requirements
- Utilizes standard patch cords / premium USB 3.0 bulk cables
- Accommodates different cable diameters

Shared Technology:

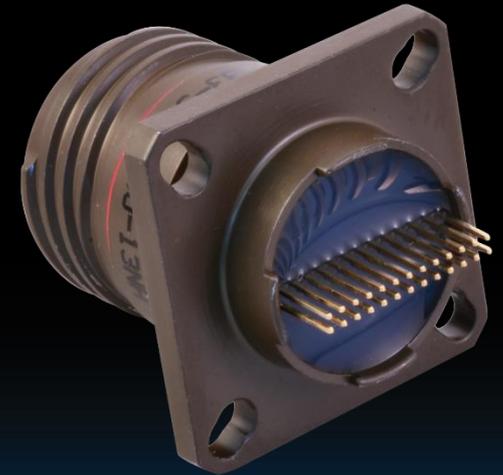
USB 3.0 Repeater

- Active signal conditioning
- Range extension to 5 meters
- Built-in EMI filtering
- ESD protected
- No configuration required
- Protected against current and voltage spikes



USB 3.2 Gen 2 Type C Connectors

- Smaller, Lighter, Faster, and More Power!
- Data Transfer Speed: 10 Gbps 2x faster than USB 3.0
- USB Type C: Smaller interface allows shell size 11 and 13
- Allows Power Charging
- 233-380 to 233-388 series



New HDMI SuperSeal™ Insert

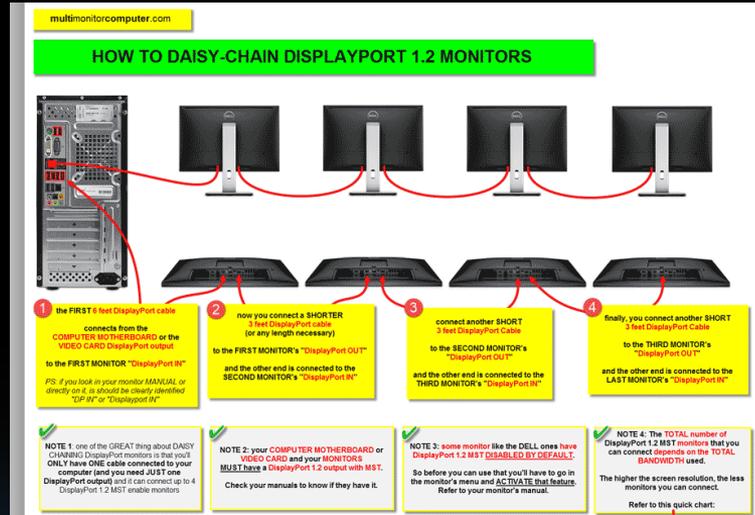
Robust design and superior performance

- Meets HDMI 2.0 performance
- Meets IP68 sealing unmated condition
- Shielded in-line and 360° with a shielding sleeve



New DisplayPort 1.4 Connectors

- Meets IP67 sealing in unmated condition. IP68 mated.
- Supports 4K Video
- Support Multiple Screen with 1 Cable through Daisy Chain or a port



SuperSeal™



DriveThru

- High Speed protocols, custom & combination
 - Ethernet, USB 2.0, USB 3.0, USB-C, HDMI, Display Port, DVI
- Ease of assembly
- No need to cut the cable for installation
- Alternative to plug coupler and plug crimp removable versions
 - Shorter connector assembly
 - Replaces 2 electrical connections with 1

233-358 (USB 3.0)



233-368 (HDMI)

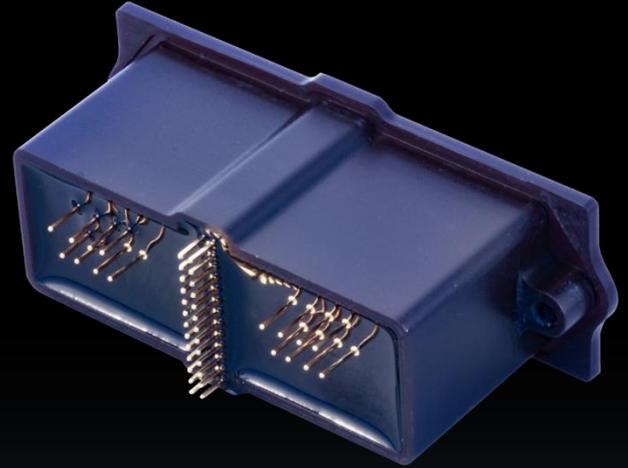


233-388 (Type C)



Multiport

- Can Mix and Match different protocols
- Save Panel Space and Increase Ports
- IP67 to IP68 Sealing



USB 3.0 Memory Key

- Shorter than previous iteration.
- Up to 256 GB MLC board
- Higher Memory Capacity can be explored



SuperSeal™: Superior Sealing, Grounding and Ease-of-Termination

- Moisture, humidity and harsh environment system sealing protection
- Operational during MIL-Spec level shock, vibration and mechanical impact shock
- Industry and military temperature extreme capable -40 to +120C
- Continuous continuity and shielding for EMI/RFI
- Reliability and integration ease with MIL/Aero contact option





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