Achieve superior signal integrity in harsh factory and commercial-vehicle applications with IP67 Sealed Industrial USB 3.0 Panel-Mount Receptacles, designed for fast installation and robust pull-out resistance

**Features and Benefits**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Overmolded cordsets with integral strain relief</td>
<td>Allow faster installation at customer sites versus field-wired designs. Strain relief increases cable flexibility and provides robust pull-out resistance</td>
</tr>
<tr>
<td>IP67 rating</td>
<td>Ensures cordsets are water- and dust-tight for functional integrity</td>
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<tr>
<td>Differential-signal technology</td>
<td>Delivers 5 Gbps data speeds for USB 3.0 compliance (enables 10 times faster data speeds than USB 2.0 receptacles). Includes enhanced power optimization and retains backward compatibility to USB 2.0 devices</td>
</tr>
<tr>
<td>Fully shielded cable</td>
<td>Provides electro-magnetic interference/radio frequency interference (EMI/RFI) protection</td>
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<tr>
<td>Bayonet-style latch receptacle</td>
<td>Provides quick and easy connection and ensures proper mating insertion depth</td>
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<tr>
<td>Cordsets available in various lengths</td>
<td>Allow customers to choose the length convenient for their specific application</td>
</tr>
<tr>
<td>Meets high-durability-class (500 mating cycles) requirements of USB 3.0 specifications</td>
<td>Sustains robust, reliable connectivity over high frequencies of mating and unmating</td>
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<tr>
<td>Keyed housing</td>
<td>Shortens assembly time. Prevents mis-matched connections</td>
</tr>
<tr>
<td>ODVA and IEC61076 compliant</td>
<td>Industry-standard dimensions ensure compatibility and intermatability</td>
</tr>
<tr>
<td>IP67-rated dust cap</td>
<td>Seals the connection when not in use and prevents damage due to environmental conditions</td>
</tr>
</tbody>
</table>
Applications

Commercial Vehicle
- Transport refrigeration systems

Medical
- Medical equipment

Industrial
- Barcode scanners
- Factory automation
- Factory peripherals
- Industrial computers
- Industrial controllers
- Motion and process controls
- Printers
- Robotics
- Test equipment
- Vision systems

Specifications

Reference Information
Packaging: 1 piece per bag
Mates With: Receptacles mate with Molex’s Industrial USB 2.0 Plugs (series 84727, 84728, 84729, 84730, 84732) and USB 3.0
“A” type receptacles and cable assemblies (series: 48391, 48392, 48393, 48404, 48405, 48408, 48394-48399, 68789)
Designed In: Millimeters
RoHS: Yes
Sealing Rating: IP67
Connectors to comply with IP ratings per IEC 60529 SEALED USB A&B RECEPTACLES, DOCUMENT NUMBER: PS-84727-002, REVISION: C for full set of requirements & specifications

Electrical
Current (max.): 1.0A
Voltage (max.): 30V AC
Withstanding Voltage: 0.5KV AC
Contact resistance (max.): 30 milliohms
Durability:
USB Receptacles: 500 cycles
Bayonet-Style Receptacles: 25 cycles
Compatibility: With USB 2.0

Physical
Housing: PBT, black
Contact: Copper Alloy
Plating:
Indent Contact Area and Underplating — Gold
— Nickel
Operating Temperature: -40 to +80°C
Flammability UL 94V-0

Cable Specifications
USB 3.0 UL2725
(8AWGx1P+EAM)x2U +(28AWGx1P+A) +28AWGx2C+F+AB

Mechanical
Bayonet coupling mechanism per the ODVA/IEC 61076-3-106 interoperability interface specifications
Locknut Destructive Torque: 2.71N.m or more
Mating Force (max.): 35N
Withdrawal Force (min.): 10N

Ordering Information

<table>
<thead>
<tr>
<th>Series No.</th>
<th>Component</th>
<th>Industry Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>84733</td>
<td>Type A Panel-Mount Receptacles</td>
<td>USB 3.0</td>
</tr>
<tr>
<td>84729</td>
<td>Panel-Mount Receptacles, Type A, Cable</td>
<td>USB 2.0</td>
</tr>
<tr>
<td>84730</td>
<td>Panel-Mount Receptacles, Type B, PCB Tail</td>
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</tr>
<tr>
<td>84727</td>
<td>Overmolded Cordsets, Type A</td>
<td></td>
</tr>
<tr>
<td>84728</td>
<td>Overmolded Cordsets, Type B</td>
<td></td>
</tr>
<tr>
<td>84732</td>
<td>Overmolded Cordsets, Double-Ended</td>
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</tr>
<tr>
<td>84700</td>
<td>Dust Cap</td>
<td>USB 3.0/2.0</td>
</tr>
</tbody>
</table>

www.molex.com/link/sealedindustrialusb.html