**GracePort® USB**

**Universal Serial Serial Bus**

A Universal Serial Bus (USB) is a staple in interface devices, and Grace Engineered Products is your world-wide headquarters for any combination of USB port. All USBGracePorts® offered by Grace Engineered Products are pass-through, 2.0 connectors that do not alter the electrical signal in anyway. Grace offers both Type A and Type B connectors and custom makes every USB GracePort® according to the customer’s precise specifications.

### POWER OPTIONS

**CODES**

**HOUSING/NEMA CODES**

**P - ** -

**K 3 R F 0**

### Thru-door Flash Drive!

Maintain your NEMA rating by having this thru-door, recessed USB access. You can insert your flash drive and close the lid while you run your program.*

*Maximum flash drive dimensions are 2.25L x 0.68W x 0.35H. Please call with questions. Remember, we customize!

GracePorts® are intended to be mounted in or on an enclosure product. Installation should be performed by a qualified technician and adhere to applicable regulatory codes. These devices are for mounting on the flat surface of enclosures having the same type environmental ratings.

### SPECIFICATIONS: ELECTRICAL

- Low voltage (data), limited to 30 VDC
- High voltage supply (for computer use only)
  - 120 VAC, 15A (UL), 5A (CSA)
  - 230-240 VAC, 16A (CE only)

### SPECIFICATIONS: MECHANICAL

- Housing: Cast aluminum base
- Latch: Type 304 Stainless Steel (1CR18NI19)
- Cover: Polycarbonate, UV rated, V-O Flame rated
- Gasket: Thermoplastic elastomer
- Insert Material: Acrylic UL94HB

### APPROVALS

- UL: RECOGNIZED: E207344 (Outdoor Use)
- CSA: LR110845 (not for interrupting circuit)
- CE: EN61010/EN60950 (Foreign Power Outlets)

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<table>
<thead>
<tr>
<th>CONNECTOR CODES</th>
<th>USB TYPE - Front to Back</th>
<th>GENDER OUTSIDE</th>
<th>GENDER INSIDE</th>
</tr>
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<tbody>
<tr>
<td>P11</td>
<td>TYPE “A” TO “A” with 10’ cable</td>
<td>FEMALE</td>
<td>MALE</td>
</tr>
<tr>
<td>P15</td>
<td>TYPE “B” TO “B” with 6’ cable</td>
<td>FEMALE</td>
<td>MALE</td>
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<tr>
<td>P19</td>
<td>TYPE “A” TO “B” Bulkhead</td>
<td>FEMALE</td>
<td>FEMALE</td>
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<tr>
<td>P22</td>
<td>TYPE “A” TO “A” Bulkhead</td>
<td>FEMALE</td>
<td>FEMALE</td>
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<tr>
<td>P21</td>
<td>TYPE “B” TO “B” Bulkhead</td>
<td>FEMALE</td>
<td>FEMALE</td>
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<tr>
<td>P18</td>
<td>USB KEYBOARD with 10’ cable</td>
<td>N/A</td>
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<td>P39</td>
<td>USB MOUSE with 10’ cable</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>P35</td>
<td>USB FLASH DRIVE* Port with 10’ cable</td>
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<td>MALE</td>
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<td>TYPE “A” TO “B” Bulkhead</td>
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<tr>
<td>P29</td>
<td>TYPE “B” TO “A” Bulkhead</td>
<td>FEMALE</td>
<td>FEMALE</td>
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</tbody>
</table>

*Flash drive is not included.