MATERIALS & SPECIFICATIONS

HOUSING:
ALUMINUM 6061-T6, NICKEL PLATE
PER SAE-AMS-2404

INSULATOR:
LIQUID CRYSTAL POLYMER (LCP) PER
ASTM D5138

CONTACT:
BERYL IUM COPPER PER ASTM B194,
C17200, GOLD PLATED PER ASTM
B488, (HARD GOLD) TYPE II CODE C,
CLASS 1.27

WIRE:
NEMA HP3 TYPE ET, COLOR CODED
IAW MIL-STD-681, SYSTEM 1, USING
TEN SOLID REPEATING COLORS

HARDWARE:
303 STAINLESS STEEL PER ASTM 582

CURRENT RATING:
1 AMP MAX PER MIL-DTL-32139

CONTACT RESISTANCE:
71 MILLIOHM MAX (71mV DROP MAX)
@ 1.0 AMPS PER MIL-DTL-32139

PERFORMANCE:
PRODUCT FAMILY TESTED TO AND
PASSED THE PERFORMANCE
SPECIFICATIONS OF TABLE VIII OF
MIL-DTL-32139

<table>
<thead>
<tr>
<th>PIN #</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 11, 21, 31, 41, 51</td>
<td>BLACK</td>
</tr>
<tr>
<td>2, 12, 22, 32, 42</td>
<td>BROWN</td>
</tr>
<tr>
<td>3, 13, 23, 33, 43</td>
<td>RED</td>
</tr>
<tr>
<td>4, 14, 24, 34, 44</td>
<td>ORANGE</td>
</tr>
<tr>
<td>5, 15, 25, 35, 45</td>
<td>YELLOW</td>
</tr>
<tr>
<td>6, 16, 26, 36, 46</td>
<td>GREEN</td>
</tr>
<tr>
<td>7, 17, 27, 37, 47</td>
<td>BLUE</td>
</tr>
<tr>
<td>8, 18, 28, 38, 48</td>
<td>VIOLET</td>
</tr>
<tr>
<td>9, 19, 29, 39, 49</td>
<td>GRAY</td>
</tr>
<tr>
<td>10, 20, 30, 40, 50</td>
<td>WHITE</td>
</tr>
</tbody>
</table>

INTERNAL USE ONLY
SHEET 2 OF 2 IS A MFG LOADING DIAGRAM

OMNETICS
CONNECTOR CORPORATION
7260 COMMERCE CIRCLE EAST
MINNEAPOLIS, MN 55432
WWW.OMNETICS.COM