MATERIALS & SPECIFICATIONS

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

INSULATOR:
LIQUID CRYSTAL POLYMER (LCP) PER ASTM D5138

CONTACT:
BERYLLIUM 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</td>
<td>BLACK</td>
</tr>
<tr>
<td>2, 12</td>
<td>BROWN</td>
</tr>
<tr>
<td>3, 13</td>
<td>RED</td>
</tr>
<tr>
<td>4, 14</td>
<td>ORANGE</td>
</tr>
<tr>
<td>5, 15</td>
<td>YELLOW</td>
</tr>
<tr>
<td>6, 16</td>
<td>GREEN</td>
</tr>
<tr>
<td>7, 17</td>
<td>BLUE</td>
</tr>
<tr>
<td>8, 18</td>
<td>VIOLET</td>
</tr>
<tr>
<td>9, 19</td>
<td>GRAY</td>
</tr>
<tr>
<td>10, 20</td>
<td>WHITE</td>
</tr>
</tbody>
</table>

INTERNAL USE ONLY

SHEET 2 OF 2 IS A MFG LOADING DIAGRAM

OMNETICS
YWWW

30 AWG (7-38) PTFE, COLOR CODED

ACTUAL SIZE EXCLUDING WIRE LENGTH

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

CAGE CODE 61873
DWG NO. A28000-021
SHEET 1 OF 2 REV
SCALE: 4:1 G

THIRD ANGLE UNLESS OTHERWISE NOTED
-TOLERANCES-
(21) PIN MALE Bi-Lobe® CONNECTOR -