Series 508 Open Frame Socket w/Collet Contacts & Wire Wrap Pins

FEATURES
- Open Frame allows Efficient Utilization of Board Space with Optimized Cooling
- Available 2- and 3-level Wire Wrap Pins
- Compatible with Automatic Insertion Equipment
- Side-to-side and End-to-end Stackable

GENERAL SPECIFICATIONS
- **BODY MATERIAL**: Black UL 94V-0 Glass-filled 4/6 Nylon
- **PIN BODY**: Brass 360 1/2-hard per UNS C36000 ASTM B16/B16M-05
- **PIN BODY PLATING**: 10µ [0.25µ] min. Au per MIL-G-45204 or 200µ [5.08µ] min. 93/7 Sn/Pb per ASTM B545—OR—200µ [5.08µ] min. Sn per ASTM B545 Type 1 over 100µ [2.54µ] min. Ni per SAE AMS-QQ-N-290B
- **4-FINGER COLLET CONTACT**: B6Cu per UNS C17200 ASTM B194-08
- **CONTACT PLATING**: 30µ [0.76µ] min. Au per MIL-G-45204 over 50µ [1.27µ] min. Ni per SAE AMS-QQ-N-290B
- **CONTACT CURRENT RATING**: 3 amps
- **OPERATING TEMPERATURE**: -67°F to 221°F [-55°C to 105°C] for Sn; -67°F to 257°F [-55°C to 125°C] for Au
- **INSERTION FORCE**: 180g/pin, based on 0.018 [0.46] dia. test lead
- **WITHDRAWAL FORCE**: 90g/pin, based on 0.018 [0.46] dia. test lead
- **NORMAL FORCE**: 140g/pin, based on 0.018 [0.46] dia. test lead
- **ACCEPTS LEADS**: 0.015-0.025 [0.38-0.64] dia., 0.110-0.160 [2.79-4.06] long

MOUNTING CONSIDERATIONS
- **SUGGESTED PCB HOLE SIZE**: 0.045 ±0.002 [1.14 ±0.05] dia.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>XX-X 508 X XXX</th>
<th>Plating</th>
<th>Termination</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>0 = Au Collet, Sn Shell</td>
<td>2 = 2-level Wire Wrap</td>
</tr>
<tr>
<td></td>
<td>0TL = Au Collet, Sn/Pb Shell</td>
<td>3 = 3-level Wire Wrap</td>
</tr>
<tr>
<td></td>
<td>1 = Au Collet &amp; Shell</td>
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<table>
<thead>
<tr>
<th>Series</th>
<th>Row-to-Row Spacing, “Y” Dim.</th>
<th>No. of Pins</th>
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<tbody>
<tr>
<td>3</td>
<td>0.300 [7.62]</td>
<td>6</td>
</tr>
<tr>
<td>4</td>
<td>0.400 [10.16]</td>
<td>16, 18, 20, 24</td>
</tr>
<tr>
<td>6</td>
<td>0.600 [15.24]</td>
<td>24, 32, 40, 48</td>
</tr>
<tr>
<td>9</td>
<td>0.900 [22.86]</td>
<td>50, 64, 80, 96</td>
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Frame Style | No. of Ribs | Centers “Y” | Dim. “Z” | No. of Pins |
------------|-------------|-------------|----------|------------|
A           | 1           | 0.300 [7.62] | 0.400 [10.16] | 6          |
B           | 2           | 0.400 [10.16] | 0.500 [12.70] | 20, 22     |
C           | 3           | 0.300 [7.62] | 0.400 [10.16] | 28         |
D           | 4, 5        | 0.900 [22.86] | 1.000 [25.40] | 50, 64, 80, 96 |

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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