These connectors are available in 4, 5, 6, 7, 8, 9, 11, 14, 15, 18, 20, 21, 26, 34, 41, 42, 50, 55, 75 and 104 contact sizes with the following terminations: solder cup, turret, taper pin solderless, dip solder and solderless-wrap. Aluminum hoods, protective shells and mounting plates are optional accessories also available for this series.

Precision machined socket and pin contacts of spring temper phosphor bronze and brass respectively, are gold plated for low contact resistance and ease of soldering. Contact engagement and disengagement forces have been reduced without sacrificing millivolt drop. Floating contacts on plug and receptacle insure positive alignment of each contact.

CLOSED ENTRY CONTACTS

Closed entry design with leaf spring provides increased reliability and maintains a low millivolt drop under constant and uniform insertion pressure. It prevents over stress of individual socket contact leaves and possibility of contact distortion. Closed entry contacts can be specified for all Series 20 connectors.

GUIDE PINS AND GUIDE SOCKETS...
POLARIZING SCREWLOCKS*

Positive polarization is assured with the reversed male and female guide pin and guide socket on plug and receptacle. Polarizing screwlock guide pins and guide sockets provide a positive means of locking the plug and receptacle against accidental disconnection due to vibration. It is also a mechanical method of separating the plug and receptacle without prying or forcing. This feature eliminates the need to "rock" the connector during the disconnect procedure, and avoids possibility of damage to contacts and body molding.

* PAT. NO. 2,744,022

ELECTRICAL AND MECHANICAL RATINGS

<table>
<thead>
<tr>
<th>Voltage Ratings</th>
<th>Breakdown</th>
<th>Contact-to-Contact</th>
<th>Contact-to-Hardware</th>
<th>Recommended Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>(without hood)</td>
<td>At Sea Level</td>
<td>3000V. RMS</td>
<td>650V. RMS</td>
<td>2000V. RMS</td>
</tr>
<tr>
<td></td>
<td>At 70,000 Ft.</td>
<td>1800V. RMS</td>
<td>500V. RMS</td>
<td>500V. RMS</td>
</tr>
<tr>
<td>(with hood)</td>
<td>At Sea Level</td>
<td>1200V. RMS</td>
<td>350V. RMS</td>
<td>350V. RMS</td>
</tr>
<tr>
<td></td>
<td>At 70,000 Ft.</td>
<td>750V. RMS</td>
<td>300V. RMS</td>
<td>300V. RMS</td>
</tr>
</tbody>
</table>

Current Rating: 5 Amps Continuous .............. 7.5 Amps Max.
Minimum Creepage Between Contacts ............ .125" 
Minimum Air Space Between Contacts ........... .070" 
Contacts, Center-to-Center ...................... .156" 
Solder Cup (see variations illustrated) ....... #20 AWG Wire

CONFORM TO MIL-C-008384C SPECIFICATIONS

MOLDING COMPOUNDS

1. Diallyl Phthalate, glass reinforced (MIL-P-19833, Type GDI-30).
2. Diallyl Phthalate, glass reinforced (MIL-P-19833, Type GDI-30F, flame resistant).
3. Glass reinforced grey molding material, Type "GE" (MIL-M-14, Type MAI-30).