NUMBERING SYSTEM

S 5401 - 7 PSL - * - *

STANDARD PLATING GOLD
SPECIAL MODIFICATIONS
SCREW LOCK & SOCKET; NO LETTERS - PIN & SOCKET
CONTACT DESIGNATOR P-PIN, S-SOCKET
INSERT ARRANGEMENT
CONTACT TERMINATION: 1-FLATTEN & PIERCE
2-STD SOLDER POT
3-SHORT SOLDER POT
4-Straight
5-TURNED DOWN
VARIATIONS
CONFIGURATION
SERIES NO.

MATERIAL: S-COLD ROLL STEEL
SS-STAINLESS STEEL
X-INCONEL
M-MONEL
OR AS SPECIFIED

ALL CONNECTOR SIZES SHOWN ARE COMPLETELY DESIGNED.
MOST STANDARD INSERT ARRANGEMENTS AND
INTERFACIAL SEALS ARE TOLERATED.
PLEAS CONSULT FACTORY FOR FURTHER DETAILS.

Hermetic Seal Corporation SERIES 5000 Rectangular Rack and Panel Connectors are manufactured in three coupling types.

DUAL POLARIZATION Section 5-1 thru 5-3 (P) Guide Pin

(PSL) Screw Lock

CENTER SCREW LOCK Section 5-4 & 5-5

Uses are Electronic and Electrical equipment, for commercial and defense, airborne, ground support and ship board equipment.

GENERAL SPECIFICATIONS

AIR LEAKAGE (HERMETICITY)
LEAKAGE RATE LESS THAN 0.1 MICRON CUBIC FOOT PER HOUR (1 x 10^-6 cc/sec) AT 15 P.S.I.

DIELECTRIC WITHSTANDING VOLTAGE
CONNECTORS SHOW NO EVIDENCE OF BREAKDOWN OR FLASHER WHEN TESTED AT VOLTAGES SHOWN PER MIL-STD-1344, METHOD 3001.

<table>
<thead>
<tr>
<th>Contact Size</th>
<th>Test Voltage 60 Hz (RMS) Sea Level</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Initial Volts</td>
</tr>
<tr>
<td>22</td>
<td>700</td>
</tr>
<tr>
<td>20</td>
<td>1200</td>
</tr>
<tr>
<td>16</td>
<td>1000</td>
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</table>

INSULATION RESISTANCE
GREATER THAN 5,000 MEGOHMS PER MIL-STD-1344, METHOD 3003.

SALT SPRAY
CONNECTORS WILL MEET SALT SPRAY TEST PER MIL-STD-1344, METHOD 1001.

PERMEABILITY
MAGNETIC PERMEABILITY LESS THAN 2.0 MU WHEN NON-MAGNETIC METALS ARE USED.

SHOCK

THERMAL SHOCK
NO EVIDENCE OF DAMAGE DETERMINAL TO OPERATION OF CONNECTOR AFTER TEST PER MILL-STD-1344, METHOD 1003.

CONTACT RETENTION
CONTACTS WILL WITHSTAND AXIAL LOAD SHOWN

<table>
<thead>
<tr>
<th>Mating End Size</th>
<th>Pounds</th>
</tr>
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<tbody>
<tr>
<td>22</td>
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<tr>
<td>20</td>
<td>10</td>
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<tr>
<td>16</td>
<td>20</td>
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CONTACT RESISTANCE

<table>
<thead>
<tr>
<th>Contact Size</th>
<th>Test Current AMPS(Max)</th>
<th>Initial Volts (Max)</th>
<th>After Conditioning Volts (Max)</th>
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<tr>
<td>22</td>
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<td>.070</td>
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<tr>
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<td>7.5</td>
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<tr>
<td>16</td>
<td>13.0</td>
<td>.050</td>
<td>.060</td>
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HERMETIC SEAL CORPORATION
4232 TEMPLE CITY BOULEVARD, ROSEMAB, CALIFORNIA 91770
HSC SERIES 5000

NUMBERING SYSTEM

ALL CONNECTOR SIZES SHOWN ARE COMPLETELY DESIGNED.
MOST STANDARD INSERT ARRANGEMENTS AND
INTERFACIAL SEALS ARE TOOLS.
PLEASE CONTACT FACTORY FOR FURTHER DETAILS.

Hermetic Seal Corporation Series 5000 Section 5-4 & 5-5 are Subminiature
Rectangular, High Density, Jack Screw, Center Coupling Connectors.

Thermal Shock per Mil-C-26482 5 cycles.

Operating Temperature -55°C (-67°F) to +200°C (392°F).

Shock 100 G’s Max. per Mil-Std-1344.

REAR FACE OF PIN INSERT SHOWN

6 SIZE 22
SHELL SIZE 2

4 SIZE 22
2 SIZE 16
SHELL SIZE 2

12 SIZE 22
SHELL SIZE 2

28 SIZE 22
SHELL SIZE 3

16 SIZE 22
4 SIZE 16
SHELL SIZE 4

42 SIZE 22
SHELL SIZE 4

70 SIZE 22
SHELL SIZE 6

100 SIZE 22
SHELL SIZE 7

HERMETIC SEAL CORPORATION
4232 TEMPLE CITY BOULEVARD, ROSEMEAD, CALIFORNIA 91770
### HSC SERIES 5000

#### 6-32 UNC 502*-***P
3-48 UNC STUD 505*-***P

<table>
<thead>
<tr>
<th>SHELL SIZE</th>
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<th>B ± .015</th>
<th>C ± .015</th>
<th>D ± .015</th>
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3-48 UNC 506*-***P

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#### 6-32 UNC 504*-***P
3-48 UNC STUD 507*-***P

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</table>

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**Hermetic Seal Corporation**

4232 Temple City Boulevard, Rosemead, California 91770

Tolerance except as specified
Decimals ±.005 Fractions ± 1/32