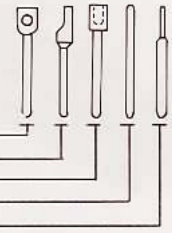
NUMBERING SYSTEM

S 5 4 0 1 – 7 P SL – * – *

- 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 TOOLED.
PLEASE 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 (1×10^{-6} cc/sec) AT 15 P.S.I.

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

Contact Size	Test Voltage 60 Hz (RMS) Sea Level	
	Initial Volts	After Conditioning Volts
22	700	500
20	1200	600
16	1000	500

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
MATED CONNECTORS ARE NOT DAMAGED PER MIL-STD-1344, METHOD 2004.

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

CONTACT RETENTION
CONTACTS WILL WITHSTAND AXIAL LOAD SHOWN

Mating End Size	Pounds
22	6
20	10
16	20

CONTACT RESISTANCE

Contact Size	Test Current AMPS(Max)	Initial Volts (Max)	After Conditioning Volts (Max)
22	5.0	.060	.070
20	7.5	.055	.065
16	13.0	.050	.060