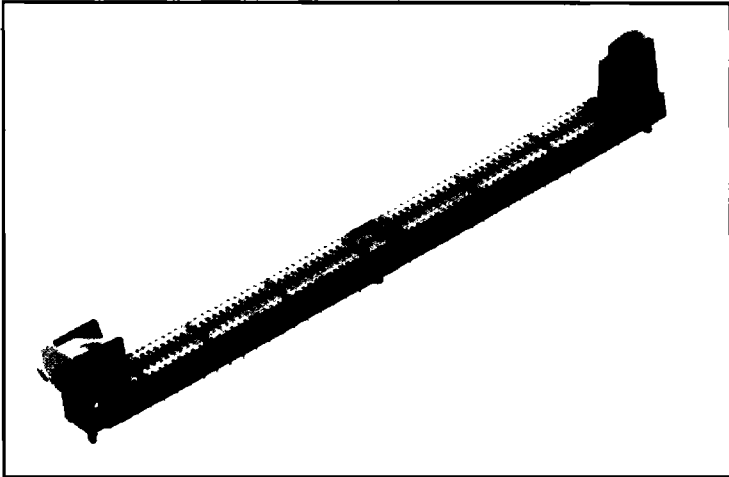


SIMM Sockets

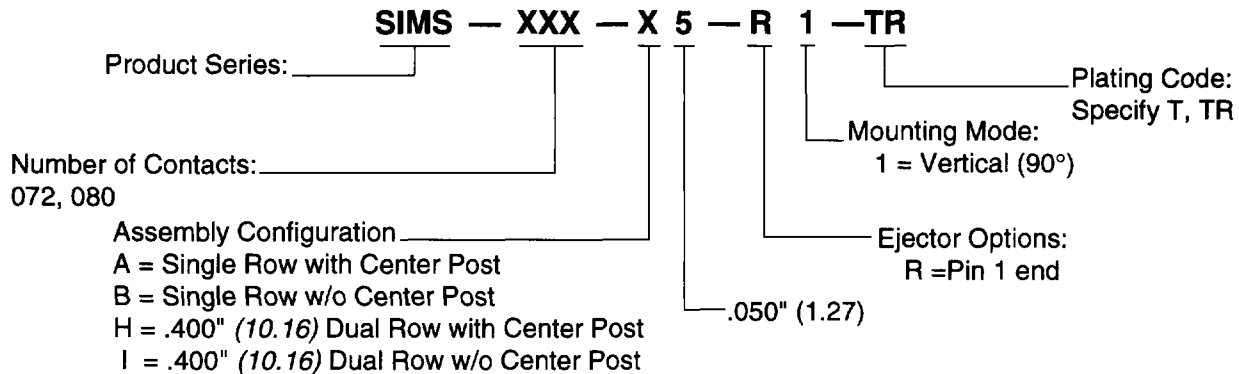
SIMS Series

RN DIMMPAK VI



- Symmetrical contacts/straight plug-in design eliminates memory module bow
- Durability - 100 cycles minimum
- Eliminates plastic or metal "latches"
- Vertical entry allows insertion/removal without disturbing "neighboring SIMMs"
- Superior shock and vibration performance
- User friendly ejector system for easy module removal
- LCP material compatible with IR processes

How to Order SIMS Series



Materials:

Body: High temp black LCP

Retention Posts: Black Polyetherimide

Contacts: Copper Alloy

Plating: T = 100 μ inch (2.54 μ m) minimum Tin/Lead overall.

TR = ROBEX® 7 μ inch (.178 μ m) minimum Palladium Nickel with 3 μ inch (.076 μ m) minimum Gold flash] on contact point.
100 μ inch (2.54 μ m) Tin/Lead on terminals.

All options include an underplate of 50 μ inch (1.27 μ m) minimum Nickel.

Environmental Specifications:

Temperature Rating: -55°C to +105°C

Vibration: 10 to 500 Hertz per MIL-STD-1344, Method 2005 Test Condition 2

Shock: 50Gs 3 Axis with no discontinuities greater than 1 Microsecond per MIL-STD-1444, Method 2004

Humidity: 9-95% @ 40°C for 96 hours per MIL-STD-1344, Method 1002, Type 1, Condition B.

Mechanical Specifications:

Contact to Housing Retention: 2 lbs minimum

Housing to PCB Retention before soldering (requires center post): 5 lbs minimum

Durability: 100 cycles minimum

Accepts: JEDEC Std. Module per MO-116

Insertion Force: Gold: 13.5 lbs. (72 position)
Tin/Lead: 16.0 lbs (72 position)

Electrical Specifications:

Current Rating: 1 ampere maximum per contact @ 250 Volts DC

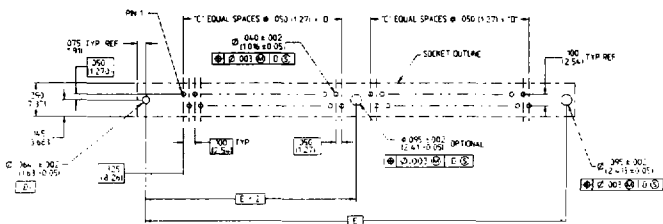
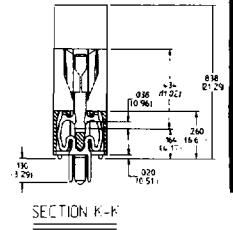
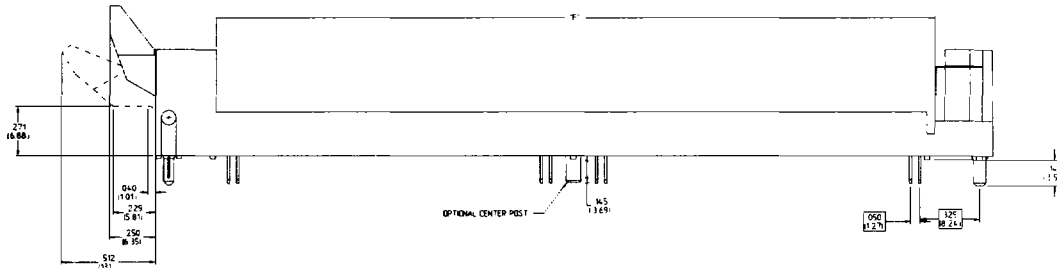
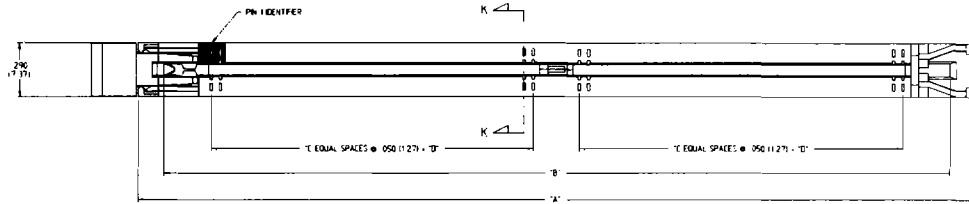
Contact Resistance: 20 milliohms maximum

Dielectric Withstanding Voltage: 1000 volts AC

Insulation Resistance: 10,000 megohms minimum

Capacitance: 2 picofarads maximum @ 1 MHz

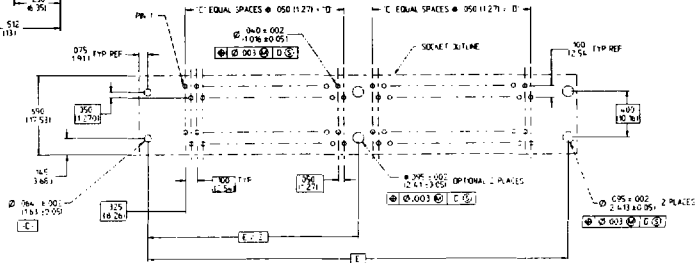
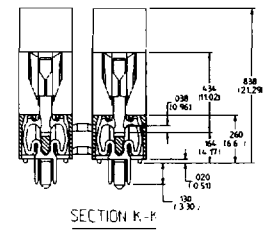
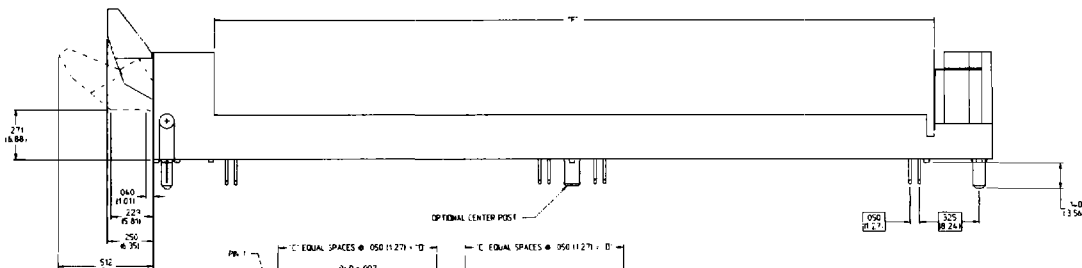
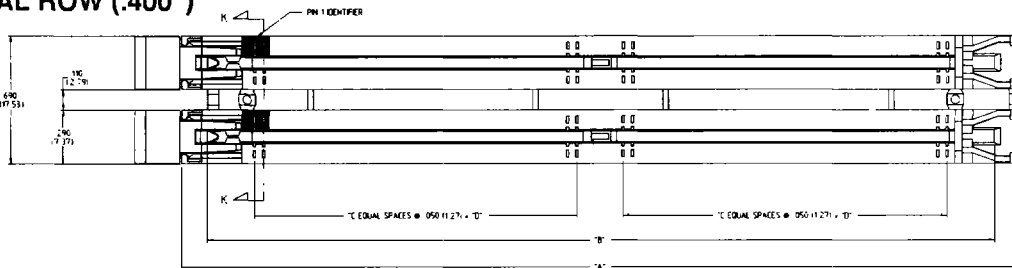
SINGLE ROW



No. of Contacts	"A"	"B"	"C"	"D"	"E"	"F"
72	4.550 (115.87)	4.260 (108.20)	35	1.750 (44.45)	4.400 (111.76)	3.916 (99.47)
80	4.950 (125.73)	4.660 (118.36)	39	1.950 (49.53)	4.800 (121.92)	4.316 (109.63)

RECOMMENDED PCB HOLE PATTERN

DUAL ROW (.400")



RECOMMENDED PCB HOLE PATTERN

Robinson Nugent's SIMM sockets are designed to provide a more reliable, user friendly solution for add-on memory applications. SIMM sockets offer the system designer an easy, convenient method of providing memory expansion. Symmetrical points of contact and a straight, plug-in design provide positive contact wipe during module insertion insuring a clean module-to-socket interface.