

# Adam Technologies, Inc.

# **INTRODUCTION:**

Adam Tech DIMM (Dual in Line Memory Module), S.O. DIMM (Small outline DIMM) & DDR (Double Data Rate) Sockets are Precision designed sockets for add-on memory modules. Offered in SMT & Straight Plug in mounting, their precision formed bellow style contacts are manufactured with extremely close tolerances for superior, precise alignment during mating. The DIMM and DDR latching sockets have a smooth actuation and a positive, audible sound to determine proper insertion.

#### **FEATURES:**

184 contacts on high density .050" Centerlines Complies with JEDEC specifications 3 keys for: 3.3V, 2.5V & 1.8V Latches function both as Lock & Ejector

#### **MATING OPTIONS:**

All industry standard memory modules

#### **SPECIFICATIONS:**

#### Material:

Standard insulator: Glass reinforced, rated UL94V-0 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0

Latch: Nylon 66 rated UL94V-0
Insulator color: DIMM & DDR: Black
SO DIMM: White

Contacts: Phosphor Bronze

## **Contact Plating:**

Gold over nickel underplate in contacts area, tin over copper

underplate on solder tails

# **Electrical:**

Operating voltage: 250V AC max. Current rating: 0.5 Amp max. Contact resistance: 30 m $\Omega$  max. initial

Insulation resistance: 1000 M $\Omega$  min.

Dielectric withstanding voltage: 500V AC for 1 minute

# Mechanical:

Insertion Force: 4 oz max Withdrawal Force: 1 oz min

# **Temperature Rating:**

Operating temperature: -55°C to +105°C

Soldering process temperature: Standard insulator: 235°C Hi-Temp insulator: 260°C

#### **PACKAGING:**

Anti-ESD plastic trays

## **APPROVALS AND CERTIFICATIONS:**

UL Recognized File No. E224053 CSA Certified File No. LR1578596





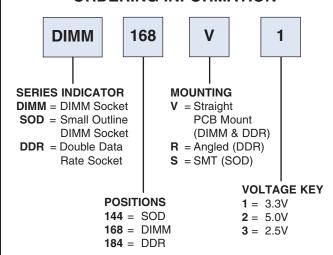


# S.O. DIMM SOCKET DDR SOCKET

144P, 168P, & 184P SOCKETS



# ORDERING INFORMATION



# **OPTIONS:**

Add designator(s) to end of part number

30 = 30 µin gold plating in contact area

HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

YW = Yellow insulator (DDR only)

**PU** = Purple insulator (DDR only)