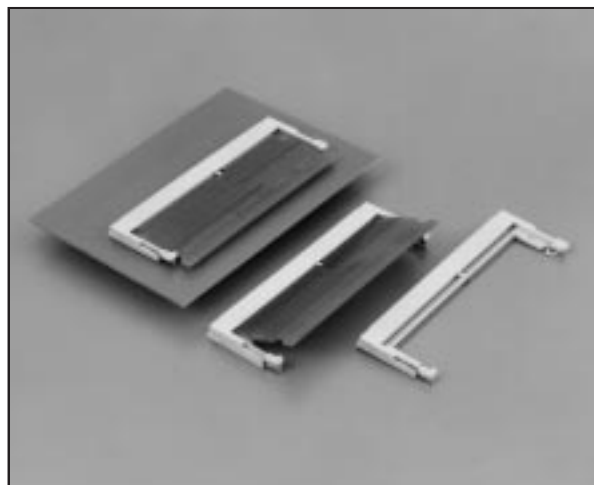


MM30 SERIES CONNECTORS

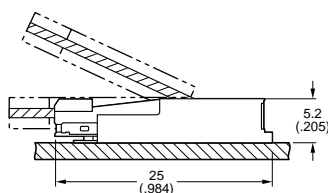
0.8mm (.031") Contact Spacing, SOD Socket Connectors



FEATURES

- Designed for use with 8-bit SOD, as specified in JEDEC
- Low insertion force
- Latch is molded-in and reinforced with metal spring
- Available in 3.9mm (.153") and 5.2mm (.205") connector heights

Connector Profile (Ref.)



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MM30 Series socket connectors are designed for use with small outline DIMM (SOD) 8-bit memory modules. These connectors are used in portable devices such as notebook personal computers to increase the memory volume and provide the same performance level as desktop personal computers.

GENERAL SPECIFICATIONS

Number of Contacts	144
Contact Spacing	0.8mm (.030")
Current Rating	0.5 Amps
Dielectric Withstanding Voltage	500 VAC r.m.s. (for one minute)
Insulation Resistance	1000 megohms min.
Contact Resistance	60 milliohms max.
Durability	25 insertions
Operating Temperature	-55°C to +105°C

MATERIALS AND FINISHES

Description	Materials/Finishes
Insulator	Glass-filled LCP, Ivory (UL94V-0)
Contact	Copper Alloy Connecting Area: Gold plating 0.1µm (.000004") min. over Nickel Terminal Area: Tin over Nickel
Hold-down	Copper Alloy, Tin plating over Nickel

ORDERING INFORMATION

	<u>MM30</u>	-	<u>144</u>	<u>B</u>	<u>1</u>	-	<u>*</u>	<u>1</u>
Series								
No. of Contacts								
Socket Type								
B – Latch Type SMT								
Key Code								
1 – 3.3V DRAM								
Height								
H – Reverse								
J – Standard								
Contact Finish								
1 – Gold plating 0.1µm (.000004") min. over Nickel in connecting area								
Terminal area. Tin over Nickel								

Dimensions and specifications subject to change without notice.

0.8mm (.031") Contact Spacing, SOD Socket Connectors

Technical drawing of a JAE electronic component, showing top, side, and detail views with dimensions in inches and millimeters.

Top View Dimensions:

- Overall width: 67 (2.638) ± 0.15 (.006)
- Overall height: 69.6 (2.740) ± 0.3 (.012)
- Left side features: 0.9 (.035) ± 0.05 (.002) and 1.5 (.059) ± 0.05 (.002)
- Internal width dimensions: 60.6 (2.386), 32.8 (1.291), 23.2 (.925), 4.8 (.189), 2.1 (.083), 2.5 (.098), 1 (.039) ± 0.1 (.004), 0.8 (.031) ± 0.1 (.004)
- Internal height dimensions: 16.1 (.634) ± 0.2 (.008), 22.45 (.834) ± 0.3 (.012), 26.15 (1.030)
- Bottom features: 0.3 (.012) ± 0.05 (.002), 2.5 (.098), 2.1 (.083), 0.8 (.031) ± 0.1 (.004), 1.4 (.055) ± 0.1 (.004)
- Labels: NO. 143, SIGN OF REVERSE, VOLTAGE, KEY CENTER, NO. 144, 3.3V, R, JAE, NO. 1, LOT NO., NO. 2

Side View Dimensions:

- Top width: 3.3 (.130) ± 0.3 (.012)
- Angle: 25°
- Bottom width: 5.2 (.205), 0.6 (.024)
- Internal height: 0.1 (.004) ± 0.15 (.006)

Detail View Dimensions:

- Width: 0.75 (.030)

1.2 (.047)

4.5 (.177)

60.6 (2.386) $\pm 0.05 (.002)$

60.6 (2.386)

4.8 (.189)

VOLTAGE KEY
CENTER
23.2 (.925)

32.8 (1.291)

[0.8 (.032) x 41]

2.1 (.083)

NO. 143

[0.8 (.032) x 29]

2.5 (.098)

NO. 1

2 (.079)

$\pm 0.05 (.002)$

16.1 (.634)

$\pm 0.1 (.004)$

NO. 2

1.1 (.043) DIA.
 $\pm 0.1 (.004)$

NO. 144

0.8 (.031)

$\pm 0.03 (.001)$
(pitch)

2.5 (.098)

2.1 (.083)

0.5 (.020)

$\pm 0.03 (.001)$
(pad width)

1.6 (.062) DIA.
 $\pm 0.1 (.004)$

3.1 (.122)

$\pm 0.05 (.002)$

23.2 (.925)

[0.8 (.032) x 41]

60.6 (2.386)

0.8 (.032) x 29

67 (2.638) $\pm 0.05 (.002)$

Technical drawing of the front view of a component. The drawing shows a rectangular component with a central slot and two circular features on the left and right sides. The dimensions are as follows:

- Overall width: 67.6 (2.661) ± 0.15 (.006)
- Overall height: 25.4 (1.000)
- Distance from left edge to center of left circular feature: 24.5 (.965)
- Distance from center of left circular feature to center of slot: 4.8 (.189)
- Distance from center of slot to center of right circular feature: 4.6 (.181) ± 0.05 (.002)
- Distance from center of right circular feature to right edge: 23.2 (.913)
- Distance from left edge to center of slot: 63.6 (2.504)
- Distance from center of slot to right edge: 32.8 (1.290)
- Distance from left edge to center of left circular feature: 6 (0.236)
- Distance from center of left circular feature to center of slot: 3.2 (.126) MIN.
- Distance from center of slot to center of right circular feature: 0.6 (.024)
- Distance from center of right circular feature to right edge: 0.8 (.031)
- Distance from right edge to center of right circular feature: 2.55 (.100) ± 0.15 (.006)
- Overall height of component: 20 (.787)
- Height of central slot: 2.25 (.087) MAX.
- Height of component at ends: 0.25 (.010) MAX.
- Left circular feature: PIN 1, 1.8 (.071) DIA.
- Right circular feature: PIN 143
- Central slot: DATUM A
- Top edge: DATUM D
- Component area: COMPONENT AREA (FRONT)

JAE