

JEDEC SOLID STATE PRODUCT OUTLINE

THIS REGISTERED OUTLINE HAS BEEN PREPARED BY THE JEDEC JC-11 COMMITTEE AND REFLECTS A PRODUCT WITH ANTICIPATED USAGE IN THE ELECTRONICS INDUSTRY ; CHANGES ARE LIKELY TO OCCUR.

TITLE 72-CONTACT DUAL INLINE
MEMORY MODULE (DIMM)
FAMILY, 1.27 LEAD CENTERS

JESD-30 DESIGNATOR

ISSUE

B

DATE _____

9/95

MO-160

SHEET

1 OF 7

	NORMAL HEIGHT 31.75.			VARIATIONS			ALL DIMENSIONS IN mm					
	AA			AB			AC					
SYMBOL	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE
A	31.62	31.88		31.62	31.88		31.62	31.88				
A1	10.00	BSC		10.00	BSC		10.00	BSC				
A2	6.22	6.48		3.05	3.31		1.45	1.71				
A3	3.18			3.18			3.18					
A4	3.18			3.18			3.18					
A5	17.78	BSC		17.78	BSC		17.78	BSC				
D	59.56	59.82		59.56	59.82		59.56	59.82				
D1	1.80	BSC		1.80	BSC		1.80	BSC				
D2	56.09	BSC		56.09	BSC		56.09	BSC				
e1	3.81	BSC		3.81	BSC		3.81	BSC				
e2	52.07	BSC		52.07	BSC		52.07	BSC				
e3	4.44	BSC		4.44	BSC		4.44	BSC				
e4	52.07	BSC		52.07	BSC		52.07	BSC				
N	84			84			84					
ISSUE	B			B			B					
Ref.	14-017			14-017			14-017					

	NORMAL HEIGHT 38.10			VARIATIONS			ALL DIMENSIONS IN mm					
	AA			AB			AC					
SYMBOL	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE
A	37.97	38.23		37.97	38.23		37.97	38.23				
A1	10.00	BSC		10.00	BSC		10.00	BSC				
A2	6.22	6.48		3.05	3.31		1.45	1.71				
A3	3.18			3.18			3.18					
A4	3.18			3.18			3.18					
A5	17.78	BSC		17.78	BSC		17.78	BSC				
D	59.56	59.82		59.56	59.82		59.56	59.82				
D1	1.80	BSC		1.80	BSC		1.80	BSC				
D2	56.09	BSC		56.09	BSC		56.09	BSC				
e1	3.81	BSC		3.81	BSC		3.81	BSC				
e2	52.07	BSC		52.07	BSC		52.07	BSC				
e3	4.44	BSC		4.44	BSC		4.44	BSC				
e4	52.07	BSC		52.07	BSC		52.07	BSC				
N	84			84			84					
ISSUE	B			B			B					
Ref	14-017			14-017			14-017					

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE SMALL OUTLINE DUAL INLINE MEMORY MODULE DIMM FAMILY. 1.27 LEAD CENTERS	ISSUE B	DATE 9/95	MO-160	SHEET 3 OF 7
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	NORMAL HEIGHT 25.4						VARIATIONS			ALL DIMENSIONS IN mm		
	AA			AB			AC					
SYMBOL	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE
A	25.27	25.53		25.27	25.53		25.27	25.53				
A1	8.15	BSC		8.15	BSC		8.15	BSC				
A2	6.22	6.48		3.05	3.31		1.45	1.71				
A3	3.18			3.18			3.18					
A4	3.18			3.18			3.18					
A5	15.24	BSC		15.24	BSC		15.24	BSC				
D	63.37	63.63		63.37	63.63		63.37	63.63				
D1	2.10	BSC		2.10	BSC		2.10	BSC				
D2	59.30	BSC		59.30	BSC		59.30	BSC				
e1	3.81	BSC		3.81	BSC		3.81	BSC				
e2	54.61	BSC		54.61	BSC		54.61	BSC				
e3	4.44	BSC		4.44	BSC		4.44	BSC				
e4	54.61	BSC		54.61	BSC		54.61	BSC				
N	88			88			88					
ISSUE	B			B			B					
Ref.	14-020			14-020			14-020					

	NORMAL HEIGHT 31.75						VARIATIONS			ALL DIMENSIONS IN mm		
	AA			AB			AC					
SYMBOL	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE
A	31.62	31.88		31.62	31.88		31.62	31.88				
A1	8.15	BSC		8.15	BSC		8.15	BSC				
A2	6.22	6.48		3.05	3.31		1.45	1.71				
A3	3.18			3.18			3.18					
A4	3.18			3.18			3.18					
A5	15.24	BSC		15.24	BSC		15.24	BSC				
D	63.37	63.63		63.37	63.63		63.37	63.63				
D1	2.10	BSC		2.10	BSC		2.10	BSC				
D2	59.30	BSC		59.30	BSC		59.30	BSC				
e1	3.81	BSC		3.81	BSC		3.81	BSC				
e2	54.61	BSC		54.61	BSC		54.61	BSC				
e3	4.44	BSC		4.44	BSC		4.44	BSC				
e4	54.61	BSC		54.61	BSC		54.61	BSC				
N	88			88			88					
ISSUE	B			B			B					
Ref.	14-020			14-020			14-020					

	NORMAL HEIGHT 38.10						VARIATIONS			ALL DIMENSIONS IN mm		
	AA			AB			AC					
SYMBOL	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE
A	37.97	38.23		37.97	38.23		37.97	38.23				
A1	8.15	BSC		8.15	BSC		8.15	BSC				
A2	6.22	6.48		3.05	3.31		1.45	1.71				
A3	3.18			3.18			3.18					
A4	3.18			3.18			3.18					
A5	15.24	BSC		15.24	BSC		15.24	BSC				
D	63.37	63.63		63.37	63.63		63.37	63.63				
D1	2.10	BSC		2.10	BSC		2.10	BSC				
D2	59.30	BSC		59.30	BSC		59.30	BSC				
e1	3.81	BSC		3.81	BSC		3.81	BSC				
e2	54.61	BSC		54.61	BSC		54.61	BSC				
e3	4.44	BSC		4.44	BSC		4.44	BSC				
e4	54.61	BSC		54.61	BSC		54.61	BSC				
N	88			88			88					
ISSUE	B			B			B					
Ref.	14-020			14-020			14-020					

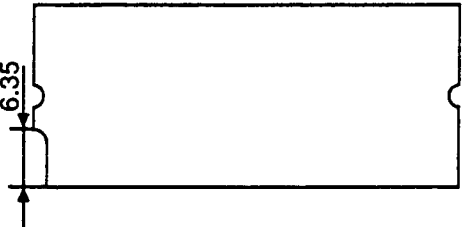
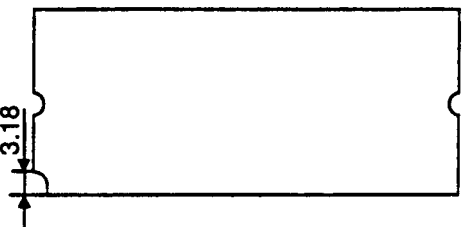

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	NORMAL HEIGHT 50.80			VARIATIONS			ALL DIMENSIONS IN mm					
	AA			AB			AC					
SYMBOL	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE	MIN	MAX	NOTE
A	50.67	50.93		50.67	50.93		50.67	50.93				
A1	8.15	BSC		8.15	BSC		8.15	BSC				
A2	6.22	6.48		3.05	3.31		1.45	1.71				
A3	3.18			3.18			3.18					
A4	3.18			3.18			3.18					
A5	15.24	BSC		15.24	BSC		15.24	BSC				
D	63.37	63.63		63.37	63.63		63.37	63.63				
D1	2.10	BSC		2.10	BSC		2.10	BSC				
D2	59.30	BSC		59.30	BSC		59.30	BSC				
e1	3.81	BSC		3.81	BSC		3.81	BSC				
e2	54.61	BSC		54.61	BSC		54.61	BSC				
e3	4.44	BSC		4.44	BSC		4.44	BSC				
e4	54.61	BSC		54.61	BSC		54.61	BSC				
N	88			88			88					
ISSUE	B			B			B					
Ref.	14-020			14-020			14-020					

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2)

Mechanical Keying

Configuration Power Supply	Conventional /EDO DRAM
5.0V	
3.3V	
x.xV	

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NOTE:

1. DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5M-1982.

2. TOLERANCES ON ALL DIMENSIONS $\pm .13$ UNLESS OTHERWISE SPECIFIED.

3. ALL DIMENSIONS ARE IN MM.

4. APPLICATION NOTE :
THE LEFT NOTCH BY VARYING THE HEIGHT IDENTIFIES THE OPERATIONAL
VOLTAGE : 5.0 VOLT (×A) . 3.3 VOLT (×B). X.X VOLT (×C).

5. DIMENSIONS APPLICABLE WHEN COMPONENTS MOUNTED ON BOTH SIDES.

6. CARD THICKNESS APPLIES ACROSS TABS AND INCLUDES PLATING
AND/OR METALIZATION.

7. APPLICATION NOTE :
GOLD CONTACT PAD : GOLD PLATING $0.76 \mu\text{m}$ MIN.
OVER Ni PLATING $2 \mu\text{m}$ MIN.

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