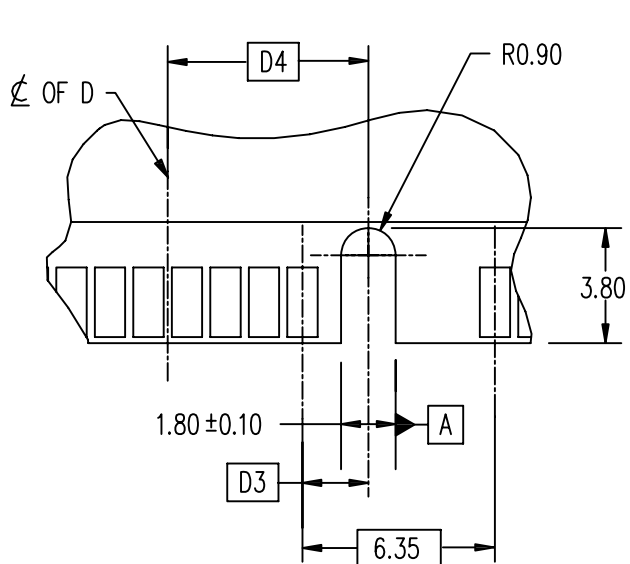
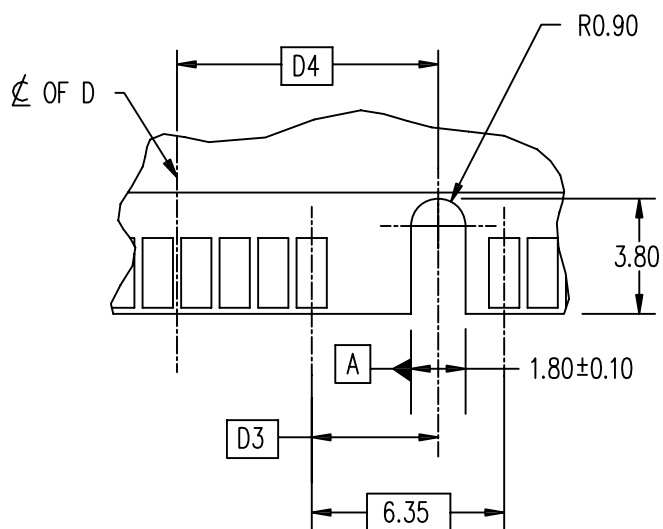


CENTER KEYWAY
REFER TO VARIATIONS
(XX-2)

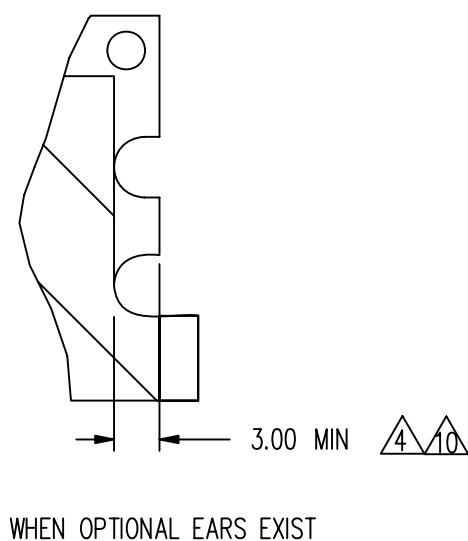
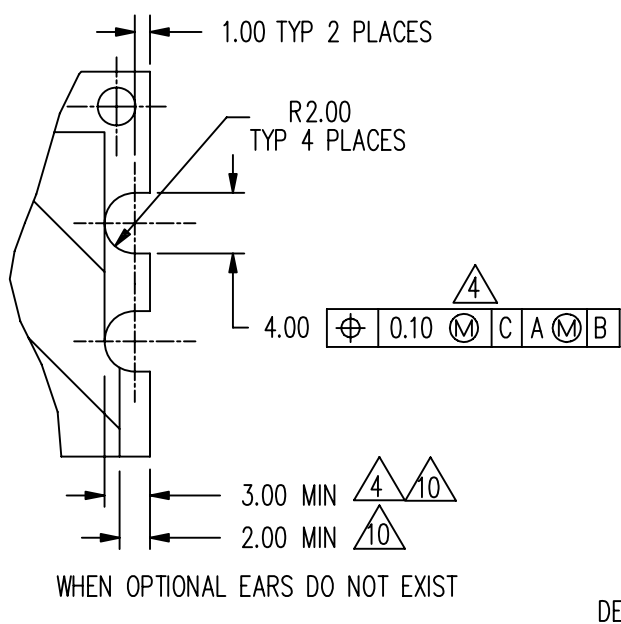
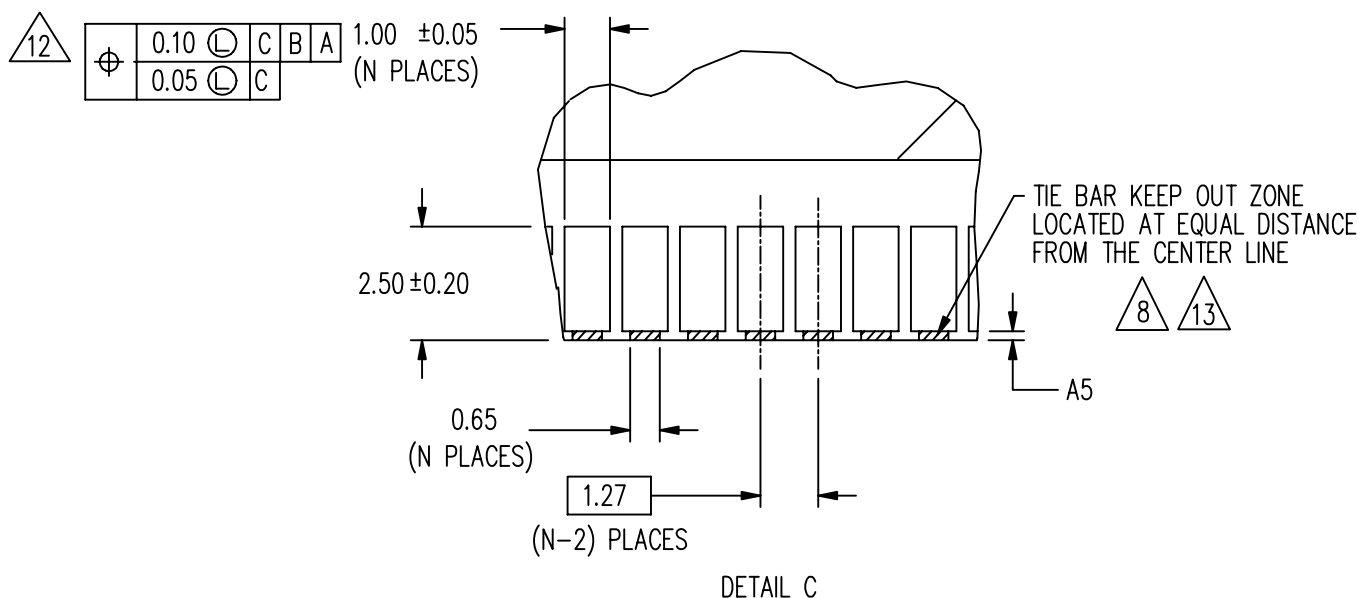
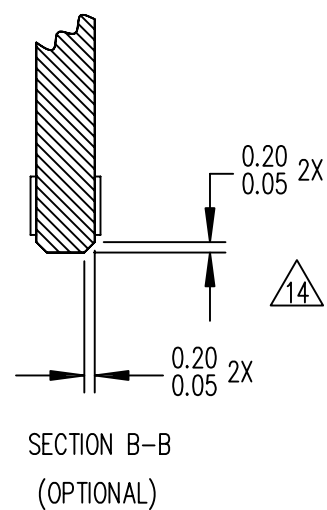
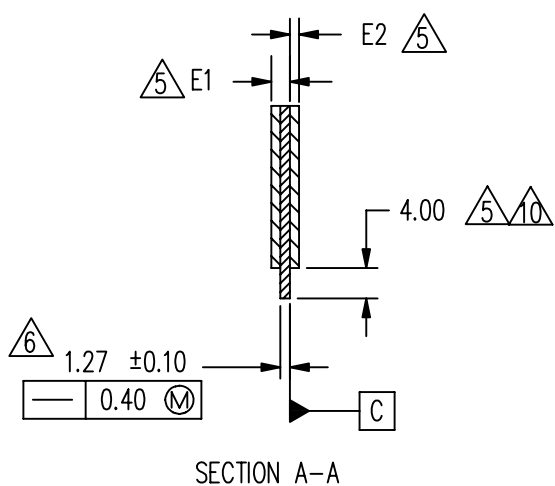
DETAIL A 



LEFT OFFSET KEYWAY
REFER TO VARIATIONS
(XX-1)



RIGHT OFFSET KEYWAY
REFER TO VARIATIONS
(XX-3)






DETAIL B

COMMON DIMENSION TABLE

SYMBOL	MIN	NOM	MAX	NOTES
A1	2.30 BSC			
A2	10.00 BSC			
A3	17.80 BSC			
A4	19.80 BSC			
A5	0.05	0.20	0.35	
D	138.30	138.45	138.60	11
D1	133.20	133.35	133.50	
D2	128.95 BSC			
e1	64.77 BSC			
e2	49.53 BSC			7
N	184			
ISSUE	A			
REF	14-037			
NOTES	1, 3			

MECHANICAL KEYING VARIATIONS

	XX-1 			XX-2 			XX-3 			
SYMBOL	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	NOTES
D3	2.175 BSC			3.175 BSC			4.175 BSC			
D4	6.62 BSC			7.62 BSC			8.62 BSC			
ISSUE	D			D			D			
REF	14-060			14-060			14-060			
NOTES	1, 3			1, 3			1, 3			

MECHANICAL VARIATIONS

	AA-X			AB-X			AC-X			AD-X			AE-X			
SYMBOL	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	NOTES
A	25.25	25.40	25.55	25.25	25.40	25.55	25.25	25.40	25.55	25.25	25.40	25.55	25.25	25.40	25.55	
E1	-	-	2.80	-	-	4.20	-	-	2.70	-	-	5.20	-	-	6.40	
E2	-	-	1.30	-	-	2.70	-	-	5.50	-	-	3.80	-	-	5.00	
ISSUE	D			D			D			D			D			
REF	14-060			14-060			14-060			14-060			14-064			
NOTES	1,3			1,3			1,3			1,3			1,3			
	AF-X															
	MIN	NOM	MAX													
A	25.25	25.40	25.55													
E1	-	-	4.45													
E2	-	-	3.05													
ISSUE	D															
REF	14-064															
NOTES	1,3															

	BA-X			BB-X			BC-X			BD-X			BE-X			
SYMBOL	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	NOTES
A	28.43	28.58	28.73	28.43	28.58	28.73	28.43	28.58	28.73	28.43	28.58	28.73	28.43	28.58	28.73	
E1	-	-	2.80	-	-	4.20	-	-	2.70	-	-	5.20	-	-	6.40	
E2	-	-	1.30	-	-	2.70	-	-	5.50	-	-	3.80	-	-	5.00	
ISSUE	D			D			D			D			D			
REF	14-060			14-060			14-060			14-060			14-064			
NOTES	1,3			1,3			1,3			1,3			1,3			
	BF-X															
	MIN	NOM	MAX													
A	28.43	28.58	28.73													
E1	-	-	4.45													
E2	-	-	3.05													
ISSUE	D															
REF	14-064															
NOTES	1,3															










	CA-X			CB-X			CC-X			CD-X			CE-X			
SYMBOL	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	NOTES
A	30.33	30.48	30.63	30.33	30.48	30.63	30.33	30.48	30.63	30.33	30.48	30.63	30.33	30.48	30.63	
E1	–	–	2.80	–	–	4.20	–	–	2.70	–	–	5.20	–	–	6.40	
E2	–	–	1.30	–	–	2.70	–	–	5.50	–	–	3.80	–	–	5.00	
ISSUE	D			D			D			D			D			
REF	14-060			14-060			14-060			14-060			14-064			
NOTES	1,3			1,3			1,3			1,3			1,3			
	CF-X															
	MIN	NOM	MAX													
A	30.33	30.48	30.63													
E1	–	–	4.45													
E2	–	–	3.05													
ISSUE	D															
REF	14-064															
NOTES	1,3															

	DA-X			DB-X			DC-X			DD-X			DE-X			
SYMBOL	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	NOTES
A	31.60	31.75	31.90	31.60	31.75	31.90	31.60	31.75	31.90	31.60	31.75	31.90	31.60	31.75	31.90	
E1	–	–	2.80	–	–	4.20	–	–	2.70	–	–	5.20	–	–	6.40	
E2	–	–	1.30	–	–	2.70	–	–	5.50	–	–	3.80	–	–	5.00	
ISSUE	D			D			D			D			D			
REF	14-060			14-060			14-060			14-060			14-064			
NOTES	1,3			1,3			1,3			1,3			1,3			
	DF-X															
	MIN	NOM	MAX													
A	31.60	31.75	31.90													
E1	–	–	4.45													
E2	–	–	3.05													
ISSUE	D															
REF	14-064															
NOTES	1,3															





	EA-X			EB-X			EC-X			ED-X			EE-X			
SYMBOL	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	NOTES
A	43.05	43.18	43.31	43.05	43.18	43.31	43.05	43.18	43.31	43.05	43.18	43.31	43.05	43.18	43.31	
E1	–	–	2.80	–	–	4.20	–	–	2.70	–	–	5.20	–	–	6.40	
E2	–	–	1.30	–	–	2.70	–	–	5.50	–	–	3.80	–	–	5.00	
ISSUE	D			D			D			D			D			
REF	14-060			14-060			14-060			14-060			14-064			
NOTES	1,3			1,3			1,3			1,3			1,3			
	EF-X															
	MIN	NOM	MAX													
A	43.05	43.18	43.31													
E1	–	–	4.45													
E2	–	–	3.05													
ISSUE	D															
REF	14-064															
NOTES	1,3															

	FA-X															
SYMBOL	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	NOTES
A	18.15	18.30	18.45													
E1	–	–	4.40													
E2	–	–	3.15													
ISSUE	E															
REF	14-80															
NOTES	1,3															
	MIN	NOM	MAX													
A																
E1																
E2																
ISSUE																
REF																
NOTES																

NOTES;

- 1 ALL DIMENSIONS AND TOLERANCING CONFORM TO ASME Y14.5M-1994
- 2 TOLERANCES ON ALL DIMENSIONS ± 0.13 UNLESS OTHERWISE SPECIFIED.
- 3 ALL DIMENSIONS ARE IN MILLIMETERS.
-  3.00 mm MINIMUM APPLIES TO BOTH 4.00 mm WIDE NOTCH LENGTH AND BORDER OF THE COMPONENT KEEPOUT AREA.
-  DIMENSION 'E1' REFERENCES THE FRONTSIDE COMPONENTS. DIMENSION 'E2' REFERENCES BACKSIDE COMPONENTS.
-  CARD THICKNESS APPLIES ACROSS THE CONTACTS AND INCLUDES PLATING AND/OR METALIZATION. STRAIGHTNESS CALLOUT APPLIES TO ZONE DEFINED BY THE 4.00 mm CONTACT AREA DIMENSION FOR THE ENTIRE LENGTH OF 133.35 mm.
-  N IS THE TOTAL NUMBER OF CIRCUIT CONTACTS (PINS, LEADS, TABS OR PADS).
-  LEADING EDGE OF CONTACT PADS SPECIFIED BY THE KEEP OUT ZONE SHALL BE FREE OF BURRS AND EXTERNAL TIE BARS.
-  THE JC-45 COMMITTEE CONTROLS THIS INFORMATION. IT IS SHOWN HERE FOR REFERENCE ONLY, AND IS SUBJECT TO CHANGE.
XX-1 = 2.5 VOLTS; XX-2 = 1.8 VOLTS; XX-3 = TBD VOLTS.
-  BORDER OF COMPONENT KEEP OUT AREA.
-  WHEN OPTIONAL EARS EXIST 'D' IS CONTROLLING AND WHEN OPTIONAL EARS DO NOT EXIST 'D' DOES NOT APPLY.
-  A4 IS NOT APPLICABLE TO VARIATION FA-X.

APPLICATION NOTES;

-  OPTION 1 – PREFERABLE PLATING, ELECTROLYTIC GOLD PLATING 0.76 MICROMETERS MINIMUM OVER ELECTROLYTIC NICKEL 2.00 MICROMETERS MIN.
-  OPTION 2 – ALTERNATE PLATING, GOLD PLATING 0.05–0.75 MICROMETERS OVER NICKEL 2.00 MICROMETERS MIN. MUST USE AN ELECTRONIC CONTACT GRADE CORROSIVE BARRIER LUBRICANT.
-  FOR OPTIMUM PERFORMANCE, THE TIE BAR IS TO BE ON AN INTERNAL LAYER, SO THAT THE REMNANT CANNOT CAUSE CONTACT DAMAGE.
-  THE BEVEL IS A FABRICATION OPTION AND IS NOT REQUIRED. THE BEVEL AIDS THE INSERTION OF THE MODULE INTO THE CONNECTOR. THE BEVEL IS NOT TO HIT THE GOLD CONTACTS.

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE DUAL INLINE MEMORY MODULE (DIMM) FAMILY 184 PIN DDR 1.27mm CONTACT CENTERS	ISSUE E	DATE JAN 2006	MO 206	SHEET 8 OF 9
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Change Record

If the changes involves any words added or deleted (excluding deletion of accidentally repeated words), the change is included. Punctuation changes may or may not be included.

Initial Issue:	Date:	Item:
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Revision History:

Issue: E	Date: JAN06	Item:11.14-078
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Location	Change from:	Change to:
Sheet 6		ADDED VARIATION FA-X
Sheet 1		NOTE 12 ADDED TO DIM A4
Sheet 8		ADDED NOTE 12:A4 DOES NOT APPLY TO FA-X
Sheet 7	APPLICATION NOTES 12,13,14	RENUMBERED APPLICATION NOTES TO13,14,15

Issue:	Date:	Item:
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Location	Change from:	Change to:

Issue:	Date:	Item:
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Location	Change from:	Change to: