

nanoSSD 3IE3

HIGHLIGHT FEATURES

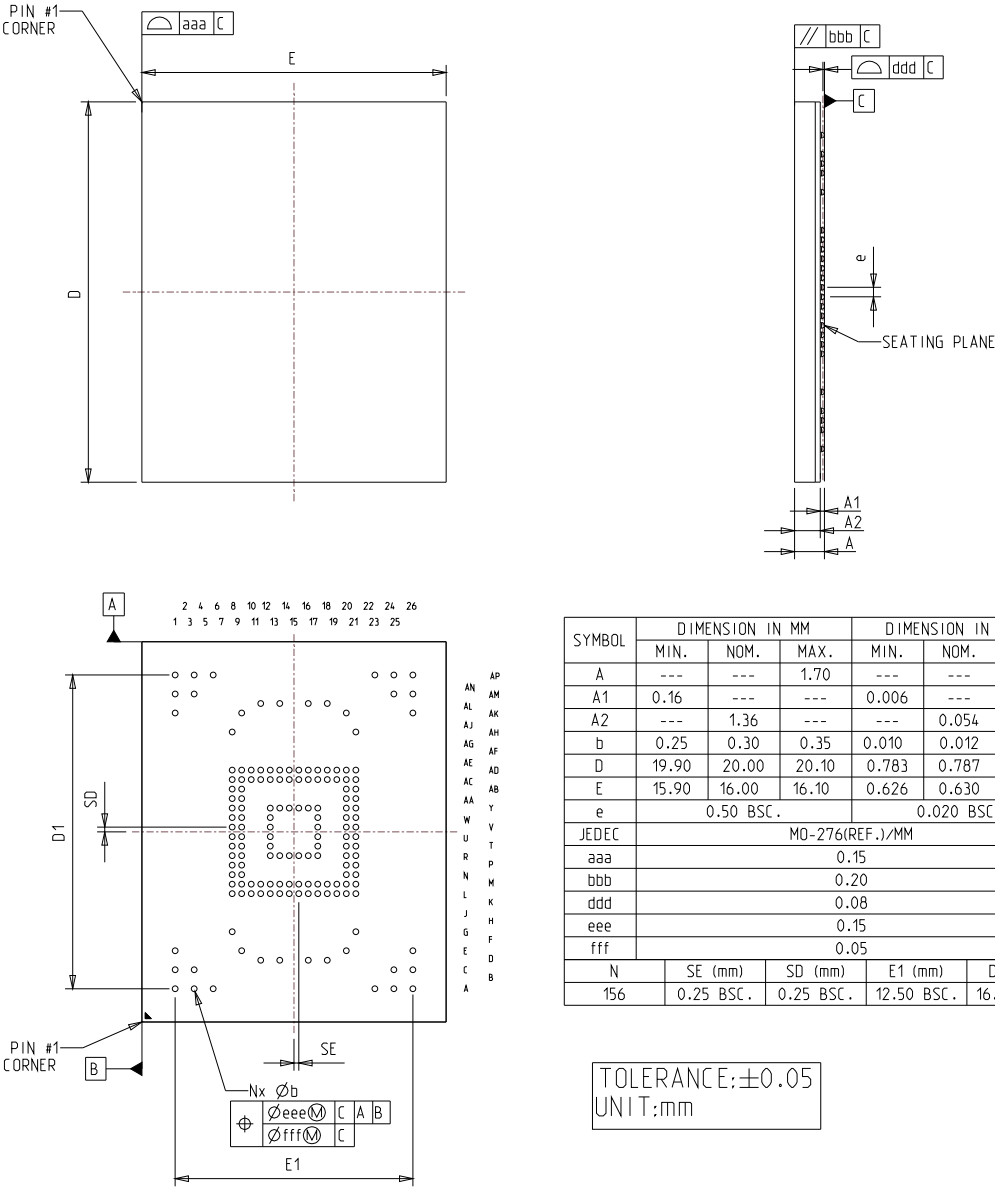


- Compliant with JEDEC MO-276 Specification
- SATA III 6.0Gb/s
- Intelligent Flash management and real-time garbage collection
- Supports S.M.A.R.T. and iSMART utility
- Zero mechanical interference
- Supports wide temperature from -40°C to 85°C

SPECIFICATIONS

Model Name	nanoSSD 3IE3
Flash Type	iSLC (MLC)
Interface	SATA III 6.0 Gb/s
Form Factor	M.2 1620
Capacity	16GB ~ 64GB
Sequential R / W (MB/sec, max.)	440 / 260
P/E Cycle	20,000
TBW (Max.)	125
Storage Temperature	-55°C ~ 95°C
Max. Power Consumption	2.3W
Max. Channels	4
External DRAM Buffer	N
H/W Write Protect	N
S.M.A.R.T.	Y
AES	N
TCG Opal	N
Dimension (W x L x H/mm)	16.0 x 20.0 x 1.7
Vibration	20G@[7 ~ 2000Hz]
Shock	1500G@0.5ms
MTBF	>3 million hours
Warranty	5 Years

DIAGRAM



SYMBOL	DIMENSION IN MM			DIMENSION IN INCH		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A	---	---	1.70	---	---	0.067
A1	0.16	---	---	0.006	---	---
A2	---	1.36	---	---	0.054	---
b	0.25	0.30	0.35	0.010	0.012	0.014
D	19.90	20.00	20.10	0.783	0.787	0.791
E	15.90	16.00	16.10	0.626	0.630	0.634
e	0.50 BSC.			0.020 BSC.		
JEDEC	M0-276(REF.)/MM					
aaa	0.15					
bbb	0.20					
ddd	0.08					
eee	0.15					
fff	0.05					
N	SE (mm)	SD (mm)	E1 (mm)	D1 (mm)		
156	0.25 BSC.	0.25 BSC.	12.50 BSC.	16.50 BSC.		

TOLERANCE: ± 0.05
UNIT: mm

ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
16GB	DHNSD-16GD08BCADC	DHNSD-16GD08BWADC
32GB	DHNSD-32GD08BCAQC	DHNSD-32GD08BWAQC
64GB	DHNSD-64GD08BCAQC	DHNSD-64GD08BWAQC

