



M.2 (S42) 3IE7

HIGHLIGHT FEATURES

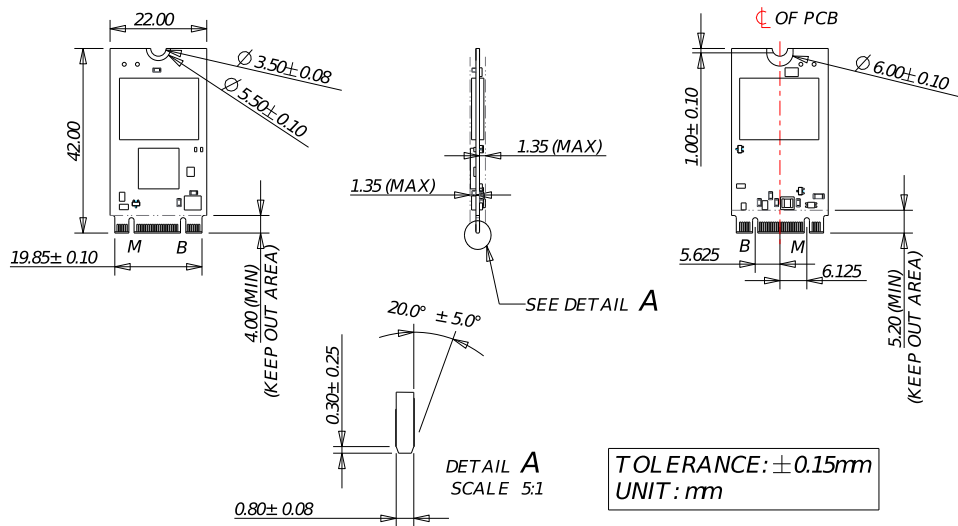
- Up to 100K P/E cycle, extending the lifespan by 33x
- Equipped with 112-layer 3D TLC NAND Flash
- Utilizes Ultra iSLC Technology
- Supports temperatures -40°C to 85°C
- 5-year warranty

SPECIFICATIONS

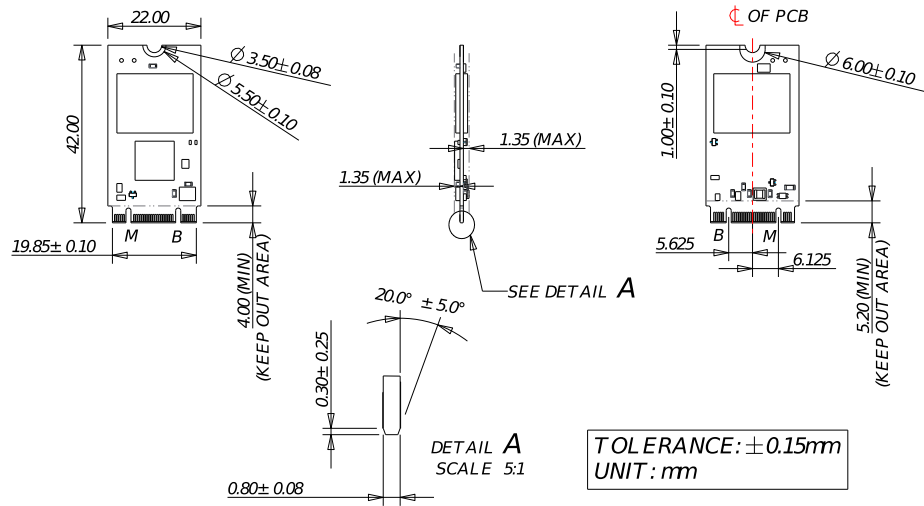
Model Name	M.2 (S42) 3IE7
Flash Type	iSLC (3D TLC)
Interface	SATA III 6.0 Gb/s
Form Factor	M.2 2242 B+M Key
Capacity	20GB ~ 320GB
Sequential R / W (MB/sec, max.)	550 / 520
P/E Cycle	30,000 / 100,000
TBW (Max.)	20,000
Storage Temperature	-40°C ~ 85°C
Max. Power Consumption	1.4W
Max. Channels	4
External DRAM Buffer	N
H/W Write Protect	Y (Optional)
S.M.A.R.T.	Y
AES	Y (Optional)
TCG Opal	N
Dimension (W x L x H/mm)	22.0 x 42.0 x 3.5
Vibration	20G@[7 ~ 2000Hz]
Shock	1500G@0.5ms
MTBF	>3 million hours
Warranty	5 Years

DIAGRAM

TSOP



BGA



ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
20GB	DHM24-20GDK1KCASL	DHM24-20GDK1KWASL
40GB	DHM24-40GDK1%CADL	DHM24-40GDK1%WADL
80GB	DHM24-80GDK1%CA&L	DHM24-80GDK1%WA&L
160GB	DHM24-A60DK1%CAQL	DHM24-A60DK1%WAQL
320GB	DHM24-D2GDK1%CAQL	DHM24-D2GDK1%WAQL

%: E : 96 layers 3D TLC / K : 112 layers 3D TLC
*: PCB version control
&. S : 1 channel / D : 2 channels / Q : 4 channels

