



M.2 (S42) 3TG6-P

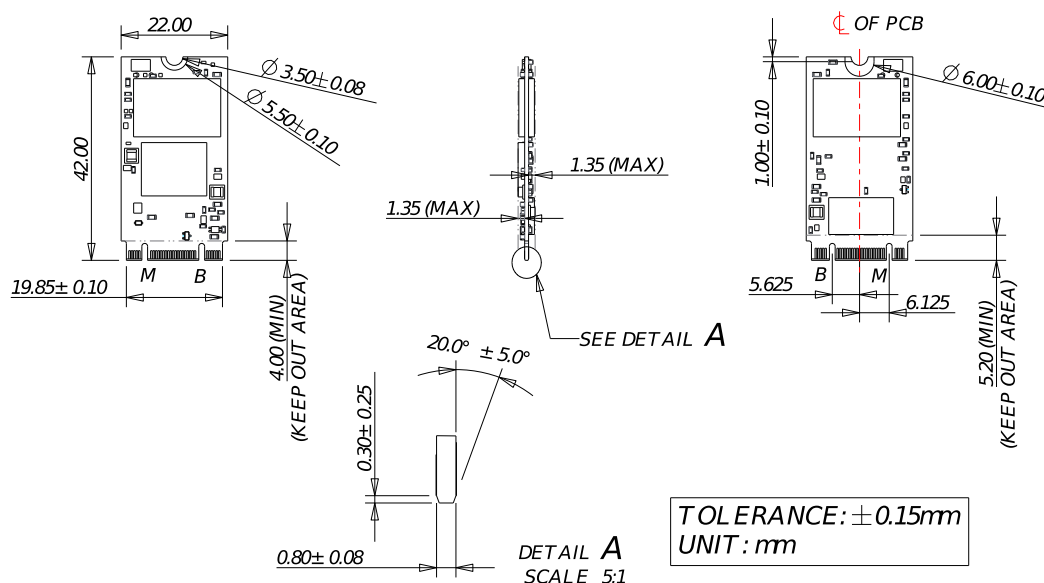
HIGHLIGHT FEATURES

- SATA III solution for industrial field
- Exclusive L³ architecture
- Excellent random performance
- Supports TRIM / NCQ / S.M.A.R.T.
- Built in iData Guard
- Compatible with M.2 2242-D2-B-M standard
- Designed with hardware LDPC ECC engine

SPECIFICATIONS

Model Name	M.2 (S42) 3TG6-P
Flash Type	3D TLC
Interface	SATA III 6.0 Gb/s
Form Factor	M.2 2242 B+M key
Capacity	128GB ~ 1TB
Sequential R / W (MB/sec, max.)	550 / 410
P/E Cycle	3,000
TBW (Max.)	2,308
Storage Temperature	-40°C ~ 85°C
Max. Power Consumption	3.1W
Max. Channels	4
External DRAM Buffer	Y
H/W Write Protect	N
S.M.A.R.T.	Y
AES	Y (Optional)
TCG Opal	Y (Optional)
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	3 Years

DIAGRAM



ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
128GB	DGM24-A28M71%C*DL	DGM24-A28M71%W*DL
256GB	DGM24-B56M71%C*&L	DGM24-B56M71%W*&L
512GB	DGM24-C12M71%C*QL	DGM24-C12M71%W*QL
1TB	DGM24-01TM71%C*Q#	DGM24-01TM71%W*Q#

% . G : 96 layers 3D TLC / K : 112 layers 3D TLC

*. PCB version control

&. D : 2 channels / Q : 4 channels

#. Flash config.

For TCG OPAL function, the PN Code 10th~12th will be M72.

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