

E1.S 4TG2-P

HIGHLIGHT FEATURES



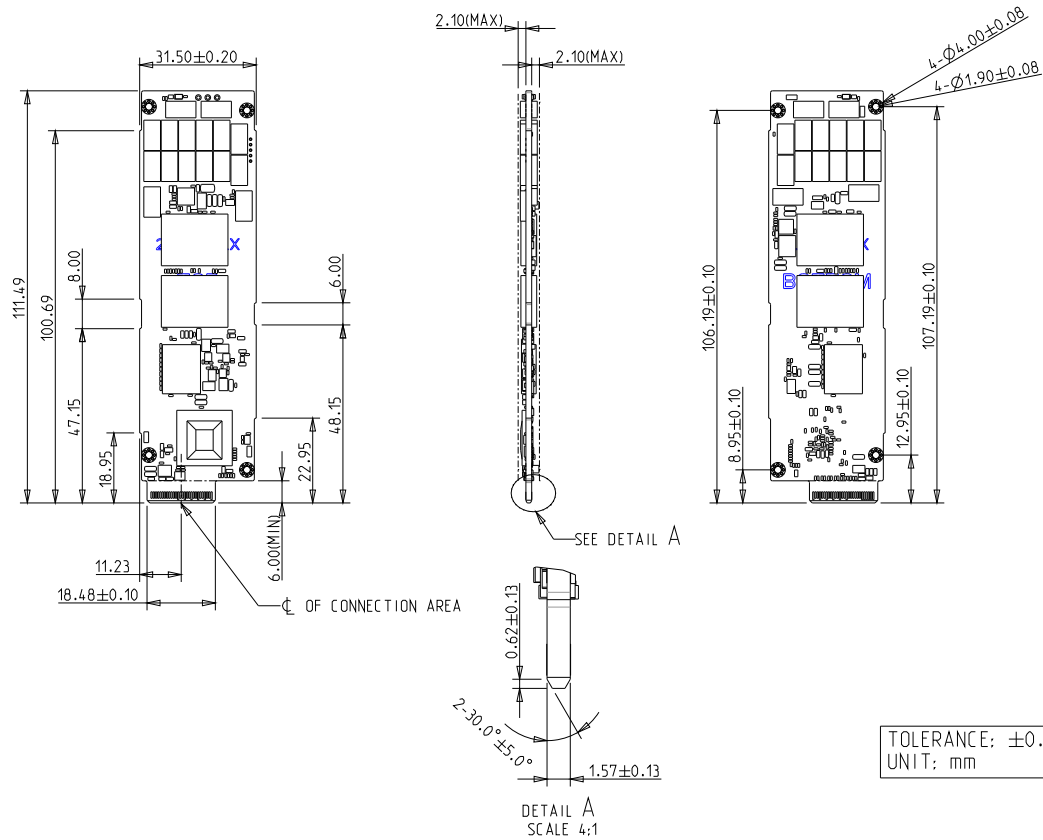
- PCIe Gen 4 x4, NVMe 1.4
- PLP (iCell) technology for power loss protection
- Stable sustained performance
- LDPC ECC engine supported
- Dynamic Thermal Management

SPECIFICATIONS

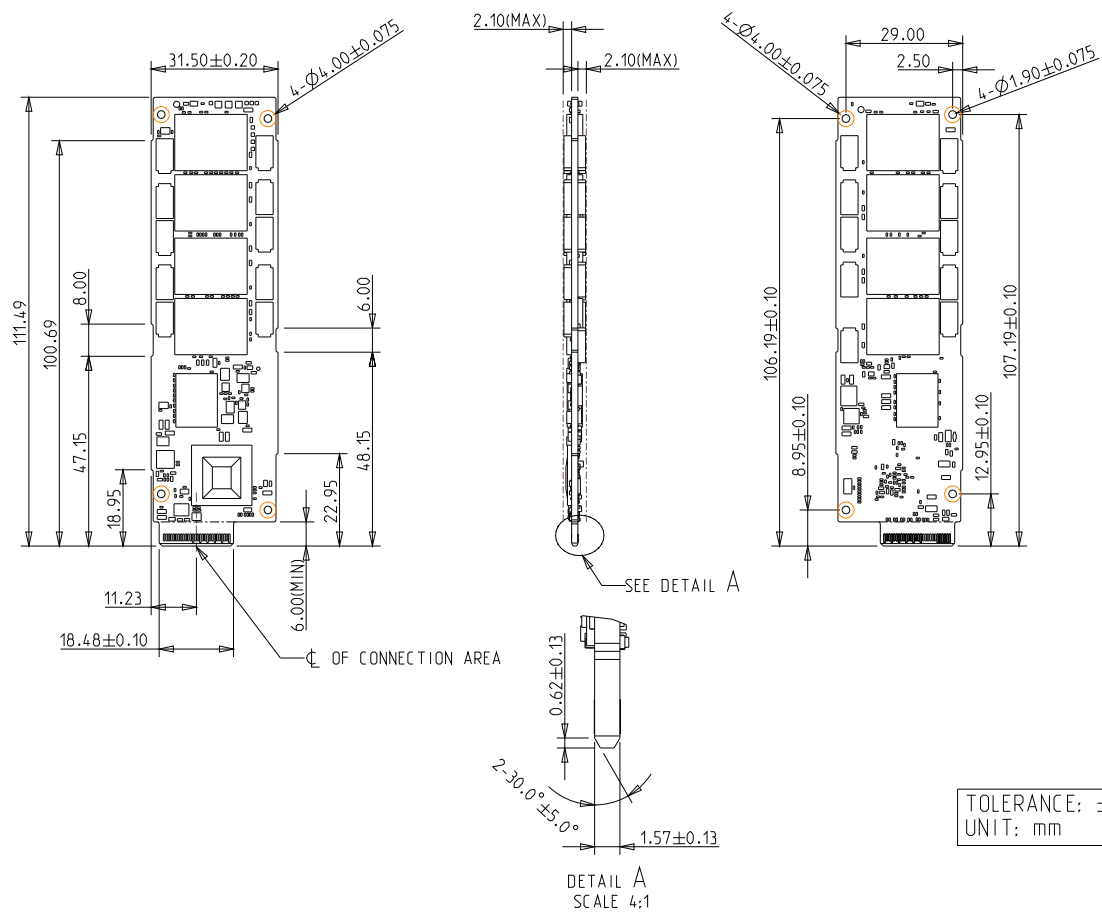
Model Name	E1.S 4TG2-P
Flash Type	3D TLC
Interface	PCIe Gen 4 x4
Form Factor	E1.S
Capacity	512GB ~ 8TB
Sequential R / W (MB/sec, max.)	6,900 / 4,700
P/E Cycle	3,000
TBW (Max.)	19,129
Storage Temperature	-40°C ~ 85°C
Max. Power Consumption	12W
Max. Channels	8
External DRAM Buffer	Y
H/W Write Protect	N
S.M.A.R.T.	Y
AES	Y
TCG Opal	Y
Dimension (W x L x H/mm)	5.9mm : 31.5 x 111.5 x 5.9 9.5mm : 33.75 x 118.75 x 9.5 15mm : 33.75 x 118.75 x 15.0
Vibration	20G@[7 ~ 2000Hz]
Shock	1500G@0.5ms
MTBF	>3 million hours
Warranty	3 Years

DIAGRAM

5.9mm (512GB ~ 4TB)



5.9mm (8TB)



Technical drawing of a 100W LED module showing front, side, and detail views with dimensions in mm.

Front View Dimensions:

- Overall width: 33.75 ± 0.25
- Internal width: 30.05
- Distance from top edge to mounting holes: 3.55
- Mounting holes: $2 - \varnothing 2.60 \text{ THRU}$ with a hole diameter of $\varnothing 4.70 \pm 1.20$
- Overall height: 118.75 ± 0.55
- Internal height: 108.00
- Distance from bottom edge to mounting holes: 7.50 ± 0.25
- Minimum distance from bottom edge to mounting holes: $6.00 (\text{MIN})$
- Distance from bottom edge to connection area: 12.415 ± 0.35
- Connection area: OF CONNECTION AREA

Side View Dimensions:

- Top flange width: 15.00 ± 0.35
- Distance from top flange to mounting holes: 9.39 ± 0.35
- Mounting holes: 2.20
- Overall height: 112.10 ± 0.45

Detail A Dimensions:

- Distance from bottom edge to mounting holes: 0.62 ± 0.13
- Angle: $2-30.0^\circ \pm 5.0^\circ$
- Distance from bottom edge to mounting holes: 1.57 ± 0.13

Other Dimensions:

- Top flange height: 35.00
- Minimum height of top flange: $12.00 (\text{MIN})$
- Minimum height of bottom flange: $3.20 (\text{MIN})$
- CONDUCTIVE AREA

TOLERANCE: ± 0
UNIT: mm

ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
512GB	DGE1S-C12DP2KCAEFP%	DGE1S-C12DP2KWAEFP%
1TB	DGE1S-01TDP2KCAEFP%	DGE1S-01TDP2KWAEFP%
2TB	DGE1S-02TDP2KCAEFP%	DGE1S-02TDP2KWAEFP%
4TB	DGE1S-04TDP2KCAEFP%	DGE1S-04TDP2KWAEFP%
8TB	DGE1S-08TDP2KCBEP%	DGE1S-08TDP2KWBEFP%

Operation temperature based on temperature obtained from S.M.A.R.T.
% : Non-existent = 5.9mm / H = 9.5mm enclosure / H1 = 15mm enclosure
E1.S 4TG2-P specifications are subject to change.