

## M.2 (S80) 3TG6-P

### HIGHLIGHT FEATURES

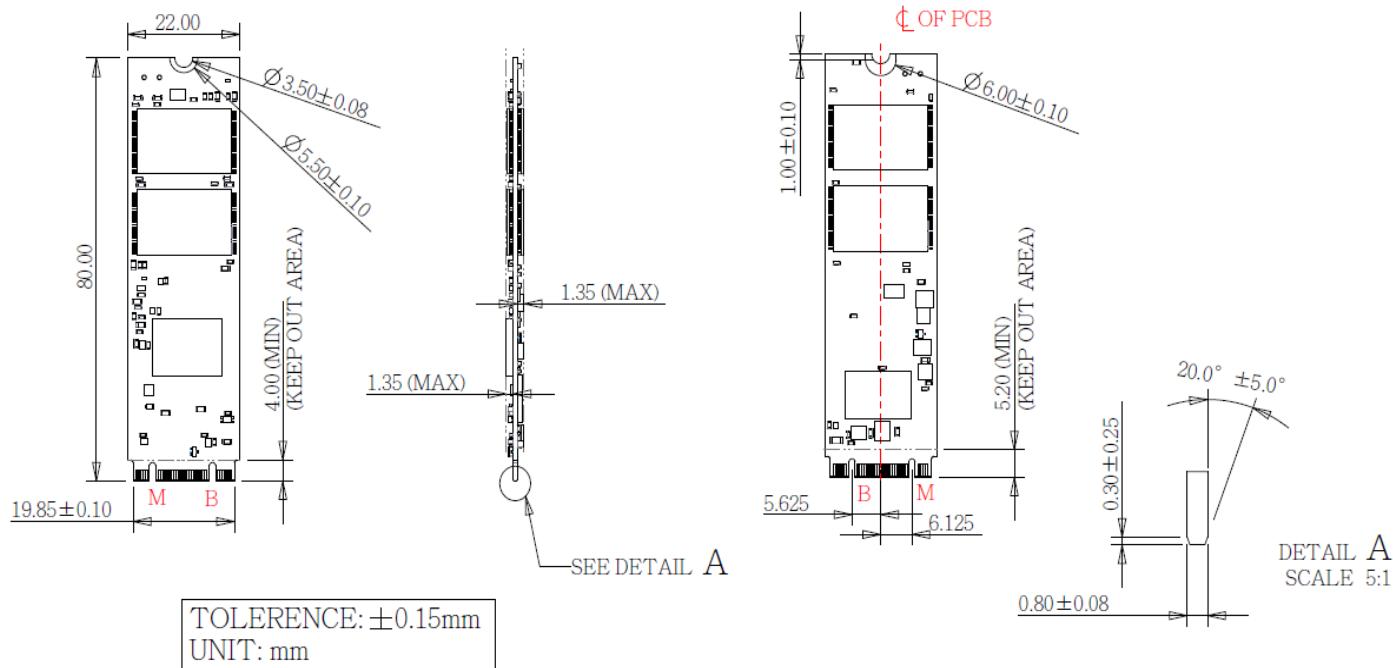


- SATA III solution for industrial field
- High IOPS
- Excellent random performance
- End to end data path protection
- iData Guard for abnormal power failure
- Compatible with M.2 2280-D2-B-M standard

### SPECIFICATIONS

|                                 |                   |
|---------------------------------|-------------------|
| Model Name                      | M.2 (S80) 3TG6-P  |
| Flash Type                      | 3D TLC            |
| Interface                       | SATA III 6.0 Gb/s |
| Form Factor                     | M.2 2280 B+M key  |
| Capacity                        | 128GB ~ 2TB       |
| Sequential R / W (MB/sec, max.) | 510 / 400         |
| P/E Cycle                       | 3,000             |
| TBW (Max.)                      | 4,615             |
| Storage Temperature             | -40°C ~ 85°C      |
| Max. Power Consumption          | 2.9W              |
| Max. Channels                   | 4                 |
| External DRAM Buffer            | Y                 |
| H/W Write Protect               | Y (Optional)      |
| S.M.A.R.T.                      | Y                 |
| AES                             | Y (Optional)      |
| TCG Opal                        | Y (Optional)      |
| Dimension (W x L x H/mm)        | 22.0 X 80.0 X 3.8 |
| 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                 | DGM28-A28M71%C*DL(S)        | DGM28-A28M71%W*DL(S)            |
| 256GB                 | DGM28-B56M71%C*DL(S)        | DGM28-B56M71%W*DL(S)            |
| 512GB                 | DGM28-C12M71%C*QL(S)        | DGM28-C12M71%W*QL(S)            |
| 1TB                   | DGM28-01TM71%C*Q#(S)        | DGM28-01TM71%W*Q#(S)            |
| 2TB                   | DGM28-02TM71%C*Q#           | DGM28-02TM71%W*Q#               |

%: E : 64 layers 3D TLC / K : 112 layers 3D TLC

\*. PCB version control

#. Flash config.

S. Single sided

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

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