



1.8" SATA SSD 3SE2-P

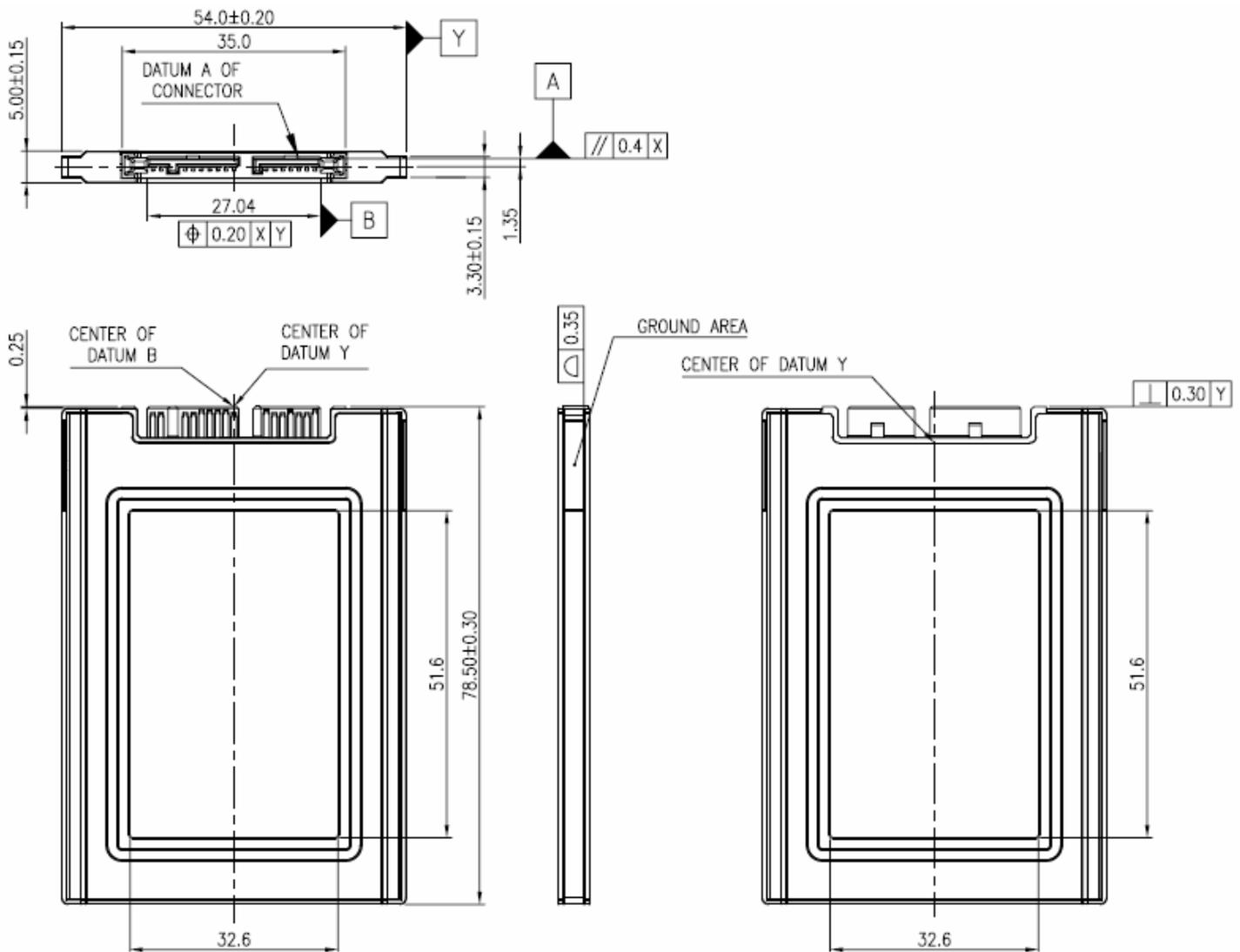
HIGHLIGHT FEATURES

- 1.8" SATA III solution for industrial field
- Hardware-based AES 256-bit key
- iData Guard for abnormal power failure
- PLP (iCell) technology for data protection (optional)
- Compliant with TCG Opal 2.0
- iSMART disk health monitoring

SPECIFICATIONS

| | |
|--|----------------------|
| Model Name | 1.8" SATA SSD 3SE2-P |
| Flash Type | SLC |
| Interface | SATA III 6.0 Gb/s |
| Form Factor | 1.8" SSD |
| Capacity | 16GB ~ 256GB |
| Sequential R / W (MB/sec, max.) | 560 / 340 |
| P/E Cycle | 60,000 |
| TBW (Max.) | 6,000 |
| Storage Temperature | -55°C ~ 95°C |
| Max. Power Consumption | 2.4W |
| Max. Channels | 4 |
| 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) | 54.0 x 78.5 x 5.0 |
| Vibration | 20G@[7 ~ 2000Hz] |
| Shock | 1500G@0.5ms |
| MTBF | >3 million hours |
| Warranty | 5 Years |

DIAGRAM



ORDER INFO.

| Operating Temperature | Standard Grade ($0^{\circ}\text{C} \sim 70^{\circ}\text{C}$) | Industrial Grade ($-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$) |
|-----------------------|--|--|
| 16GB | DES18-16GD82SC*QB(P) | DES18-16GD82SW*QB(P) |
| 32GB | DES18-32GD82SC*QB(P) | DES18-32GD82SW*QB(P) |
| 64GB | DES18-64GD82SC*QB(P) | DES18-64GD82SW*QB(P) |
| 128GB | DES18-A28D82SC*QB(P) | DES18-A28D82SW*QB(P) |
| 256GB | DES18-B56D82SC*QB(P) | DES18-B56D82SW*QB(P) |

*. A: Vin=3.3V; B: Vin=5V
(P). iCell (Optional)

HQ (Taiwan) T +886-2-7703-3000 / E sales@innodisk.com

CN T +86-755-2167-3689 / E sales_cn@innodisk.com

US T +1-510-770-9421 / E usasales@innodisk.com

EU T +31-40-3045-400 / E eusales@innodisk.com

JP T +81-3-6667-0161 / E jp_sales@innodisk.com

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