

Approval Sheet

| | |
|------------------------------|-------------------------------------|
| Customer | |
| Product Number | M5RZ-FGHZAC0Q-M |
| Data Rate | 5600 MT/s |
| Pin | 288 pin |
| CI-tRCD-tRP | 46-45-45 |
| Operating temperature | Tc=0 to 95°C |
| Date | 21th October 2025 |

**The Total Solution For
Industrial Flash Storage**

Rev 1.0

1. Features

- JEDEC Standard 288-pin Registered Dual In-Line Memory Module
- VDD=VDDQ= 1.1V (1.067V ~ 1.166V)
- VPP=1.8V (1.746V ~ 1.908V)
- VDDSPD= 1.8V
- On-die, internal, adjustable VREF generation for DQ,CA,CS
- 16n-bit prefetch
- Two independent I/O sub channels
- Programmable /CAS Latency: 22,26,28,30,32,36,40,42,46,50
- tREFI 3.9us for 0°C ≤Tcase < 85°C, tREFI 1.95us for 85°C < Tcase ≤ 95°C
- On-Die ECC
- PMIC on DIMM, nominal supply 12V/2.5A, VIN_Bulk input supply range: 4.25 V to 15 V
- Fly-by topology
- I3C/I2C support
- Terminated control and C/A bus
- SPD EEPROM Hub and Integrated Thermal Sensor
- Halogen-free

Specification

| Density | Data Rate | IC Configuration | DIMM Organization | Number of IC | Number of rank | Side | ECC |
|---------|-----------|------------------|-------------------|--------------|----------------|------|-----|
| 24GB | 5600 MT/s | 3Gx8 (24Gb) | 3GBx80 | 10 | 1 | 2 | Y |

Key timing parameters

| tCK (ns) | tRCD (ns) | tRP (ns) | tRAS (ns) | tRC (ns) |
|-------------|--------------|-------------|--------------|-------------|
| 0.357 | 16.00 | 16.00 | 32 | 48.00 |

tRFC parameter by IC Configuration

| Parameter | IC Configuration | | | | Unit |
|------------|------------------|------|------|------|------|
| | 8Gb | 16Gb | 24Gb | 32Gb | |
| tRFC1,min | 195 | 295 | 410 | 410 | ns |
| tRFC2,min | 130 | 160 | 220 | 220 | ns |
| tRFCsb,min | 115 | 130 | 190 | 190 | ns |

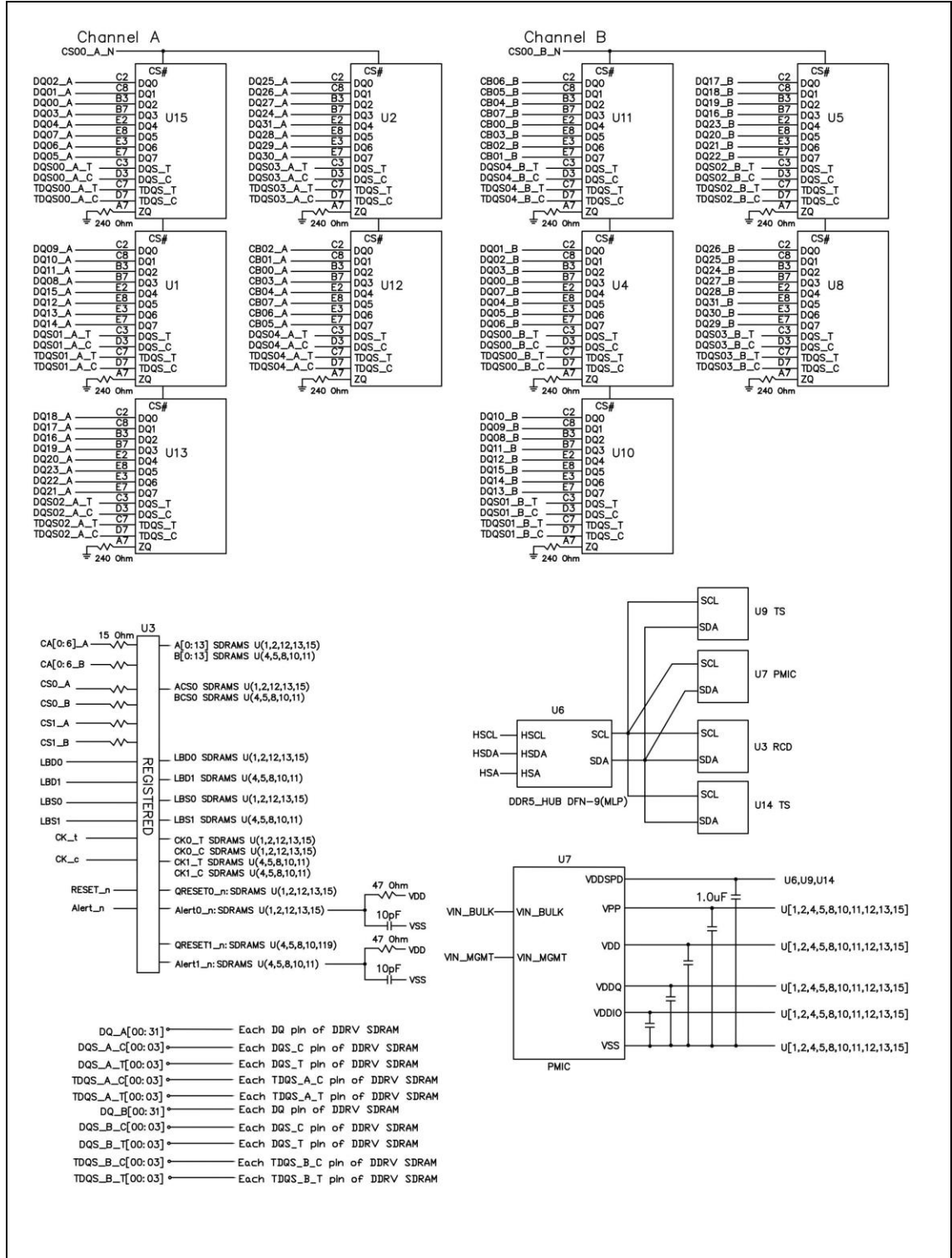
2. Pin Assignments

| 288-Pin DDR5 RDIMM Front | | | | | | | | 288-Pin DDR5 RDIMM Back | | | | | | | |
|--------------------------|----------|-----|----------|-----|-------------------------------------|-----|----------|-------------------------|---|-----|------------------------|-----|------------------------|-----|------------------------|
| Pin | Symbol | Pin | Symbol | Pin | Symbol | Pin | Symbol | Pin | Symbol | Pin | Symbol | Pin | Symbol | Pin | Symbol |
| 1 | VIN_BULK | 37 | Vss | 73 | Vss | 109 | DQ5_B | 145 | VIN_BULK | 181 | DQ22_A | 217 | CK_t | 253 | Vss |
| 2 | RFU | 38 | DQ21_A | 74 | PAR_A | 110 | Vss | 146 | VIN_BULK | 182 | Vss | 218 | CK_c | 254 | DQ7_B |
| 3 | VIN_MGMT | 39 | Vss | 75 | Vss | 111 | DQ8_B | 147 | PWR_GOOD, D,FAL_n | 183 | DQ23_A | 219 | Vss | 255 | Vss |
| 4 | SCL | 40 | DQ24_A | 76 | CA0_B | 112 | Vss | 148 | SAA | 184 | Vss | 220 | RFU | 256 | DQ10_B |
| 5 | SDA | 41 | Vss | 77 | Vss | 113 | DQ9_B | 149 | RFU | 185 | DQ26_A | 221 | CA1_B | 257 | Vss |
| 6 | Vss | 42 | DQ25_A | 78 | CA2_B | 114 | Vss | 150 | RFU | 186 | Vss | 222 | Vss | 258 | DQ11_B |
| 7 | DQ0_A | 43 | Vss | 79 | Vss | 115 | DQS1_B_t | 151 | Vss | 187 | DQ27_A | 223 | CA3_B | 259 | Vss |
| 8 | Vss | 44 | DQS3_A_t | 80 | CA4_B | 116 | DQS1_B_c | 152 | DQ2_A | 188 | Vss | 224 | Vss | 260 | DQS6_B_c, TDQS6_B_c |
| 9 | DQ1_A | 45 | DQS3_A_c | 81 | Vss | 117 | Vss | 153 | Vss | 189 | DQS8_A_c, TDQS8_A_c | 225 | CA5_B | 261 | DQS6_B_t, TDQS6_B_t |
| 10 | Vss | 46 | Vss | 82 | CA6_B | 118 | DQ12_B | 154 | DQ3_A | 190 | DQS8_A_t, TDQS8_A_t | 226 | Vss | 262 | Vss |
| 11 | DQS0_A_t | 47 | DQ28_A | 83 | Vss | 119 | Vss | 155 | Vss | 191 | Vss | 227 | PAR_B | 263 | DQ14_B |
| 12 | DQS0_A_c | 48 | Vss | 84 | CS0_B_n | 120 | DQ13_B | 156 | DQS5_A_c, TDQS5_A_c, DQS5_A_t, TDQS5_A_t | 192 | DQ30_A | 228 | Vss | 264 | Vss |
| 13 | Vss | 49 | DQ29_A | 85 | Vss | 121 | Vss | 157 | DQS5_A_t, TDQS5_A_t | 193 | Vss | 229 | CS1_B_n | 265 | DQ15_B |
| 14 | DQ4_A | 50 | Vss | 86 | LBDRSP_A_n | 122 | DQ16_B | 158 | Vss | 194 | DQ31_A | 230 | Vss | 266 | Vss |
| 15 | Vss | 51 | CB0_A | 87 | LBDRSP_B_n | 123 | Vss | 159 | DQ6_A | 195 | Vss | 231 | RFU | 267 | DQ18_B |
| 16 | DQ5_A | 52 | Vss | 88 | Vss | 124 | DQ17_B | 160 | Vss | 196 | CB2_A | 232 | RFU | 268 | Vss |
| 17 | Vss | 53 | CB1_A | 89 | CB4_B | 125 | Vss | 161 | DQ7_A | 197 | Vss | 233 | Vss | 269 | DQ19_B |
| 18 | DQ8_A | 54 | Vss | 90 | Vss | 126 | DQS2_B_t | 162 | Vss | 198 | CB3_A | 234 | CB6_B | 270 | Vss |
| 19 | Vss | 55 | DQS4_A_t | 91 | CB5_B | 127 | DQS2_B_c | 163 | DQ10_A | 199 | Vss | 235 | Vss | 271 | DQS7_B_c, TDQS7_B_c |
| 20 | DQ9_A | 56 | DQS4_A_c | 92 | Vss | 128 | Vss | 164 | Vss | 200 | DQS9_A_c, TDQS9_A_c | 236 | CB7_B | 272 | DQS7_B_t, TDQS7_B_t |
| 21 | Vss | 57 | Vss | 93 | DQS9_B_t, TDQS9_B_t, DBI4_B_n | 129 | DQ20_B | 165 | DQ11_A | 201 | DQS9_A_t, TDQS9_A_t | 237 | Vss | 273 | Vss |
| 22 | DQS1_A_t | 58 | CB4_A | 94 | DQS9_B_c, TDQS9_B_c | 130 | Vss | 166 | Vss | 202 | Vss | 238 | DQS4_B_c | 274 | DQ22_B |
| 23 | DQS1_A_c | 59 | Vss | 95 | Vss | 131 | DQ21_B | 167 | DQS6_A_c, TDQS6_A_c, DQS6_A_t, TDQS6_A_t | 203 | CB6_A | 239 | DQS4_B_t | 275 | Vss |
| 24 | Vss | 60 | CB5_A | 96 | CB0_B | 132 | Vss | 168 | DQS6_A_t, TDQS6_A_t | 204 | Vss | 240 | Vss | 276 | DQ23_B |
| 25 | DQ12_A | 61 | Vss | 97 | Vss | 133 | DQ24_B | 169 | Vss | 205 | CB7_A | 241 | CB2_B | 277 | Vss |
| 26 | Vss | 62 | ALERT_n | 98 | CB1_B | 134 | Vss | 170 | DQ14_A | 206 | Vss | 242 | Vss | 278 | DQ26_B |
| 27 | DQ13_A | 63 | Vss | 99 | Vss | 135 | DQ25_B | 171 | Vss | 207 | RESET_n | 243 | CB3_B | 279 | Vss |
| 28 | Vss | 64 | CS0_A_n | 100 | DQ0_B | 136 | Vss | 172 | DQ15_A | 208 | Vss | 244 | Vss | 280 | DQ27_B |
| 29 | DQ16_A | 65 | Vss | 101 | Vss | 137 | DQS3_B_t | 173 | Vss | 209 | CS1_A_n | 245 | DQ2_B | 281 | Vss |
| 30 | Vss | 66 | CA0_A | 102 | DQ1_B | 138 | DQS3_B_c | 174 | DQ18_A | 210 | Vss | 246 | Vss | 282 | DQS8_B_c, TDQS8_B_c |
| 31 | DQ17_A | 67 | Vss | 103 | Vss | 139 | Vss | 175 | Vss | 211 | CA1_A | 247 | DQ3_B | 283 | DQS8_B_t, TDQS8_B_t |
| 32 | Vss | 68 | CA2_A | 104 | DQS0_B_t | 140 | DQ28_B | 176 | DQ19_A | 212 | Vss | 248 | Vss | 284 | Vss |
| 33 | DQS2_A_t | 69 | Vss | 105 | DQS0_B_c | 141 | Vss | 177 | Vss | 213 | CA3_A | 249 | DQS5_B_c, TDQS5_B_c | 285 | DQ30_B |
| 34 | DQS2_A_c | 70 | CA4_A | 106 | Vss | 142 | DQ29_B | 178 | DQS7_A_c, TDQS7_A_c | 214 | Vss | 250 | DQS5_B_t, TDQS5_B_t | 286 | Vss |
| 35 | Vss | 71 | Vss | 107 | DQ4_B | 143 | Vss | 179 | DQS7_A_t, TDQS7_A_t | 215 | CA5_A | 251 | Vss | 287 | DQ31_B |
| 36 | DQ20_A | 72 | CA6_A | 108 | Vss | 144 | RFU | 180 | Vss | 216 | Vss | 252 | DQ6_B | 288 | Vss |

3. Pin Descriptions

| Symbol | Type | I/O Level | Description | Symbol | Type | I/O Level | Description |
|------------------------|------------------|----------------|-------------------------------------|--------------------------------|------------------|-----------|-----------------------------|
| CK_t, CK_c | Input | VDD | Clock | DQ[31:0]_A DQ[31:0]_B | Input/ Output | VDD | Data Input/Output |
| CA[6:0]_A CA[6:0]_B | Input | VDD | Command/Address Inputs | CB[7:0]_A CB[7:0]_B | Input/ Output | VDD | ECC Check Bits Input/Output |
| CS[1:0]_A CS[1:0]_B | Input | VDD | Chip Select | DQS[9:0]_A_t DQS[9:0]_B_t | Input/ Output | VDD | Data Strobe |
| PAR_A PAR_B | Input | VDD | Command and Address Parity Input | DQS[9:0]_A_c DQS[9:0]_B_c | Input/ Output | VDD | Data Strobe |
| ALERT_n | Output | VDD | Alert | TDQS[9:0]_A_t TDQS[9:0]_B_t | Input/ Output | VDD | Termination Data Strobe |
| RESET_n | CMOS Input | VDD | Active Low Asynchronous Reset | TDQS[9:0]_A_c TDQS[9:0]_B_c | Input/ Output | VDD | Termination Data Strobe |
| PCAMP | Input/ Output | 3.6V (max) | Control and Monitor Port | VIN_BULK | Supply | | External Power Supply |
| HSCL | Input | 1.0 V to 3.3 V | Host Sideband Bus Clock | VIN_MGMT | Supply | | External Power Supply |
| HSDA | Input/ Output | 1.0 V to 3.3 V | Host Sideband Bus Data | LBD RSP_A_n | Output | VDDQ | Loopback data output |
| HSA | Input | GND | Host Sideband Bus Device ID | LBS | Output | VDDQ | Loopback data strobe output |
| RFU | | | Reserved for future use | VSS | Supply | | Ground |
| | | | | | | | |

4. Function Block Diagram



5. Thermal Characteristics

| Symbol | Parameter | | Rating | Units | Note |
|------------------------|-----------------------|------------------------|------------|-------|---------|
| T_c | Operation Temperature | Normal Operating Temp. | 0 to 85 | °C | 1,2,3 |
| | | Extended Temp. | 85 to 95 | °C | 1,2,3,4 |
| T_{stg} | Storage Temperature | | -55 to 100 | °C | 5 |

Note:

1. Maximum operating case temperature; T_c is measured in the center of the package.
2. A thermal solution must be designed to ensure the DRAM device does not exceed the maximum T_c during operation.
3. Device functionality is not guaranteed if the DRAM device exceeds the maximum T_c during operation.
4. If T_c exceeds 85°C, the DRAM must be refreshed externally at 2X refresh, which is a 1.95μs interval refresh rate.
5. Storage temperature is defined as the temperature of the top/center of the DRAM and does not reflect the storage temperatures of shipping trays.

6. IDD, IDDQ and IPP Specifications

| Symbol | Description | Value | | Units |
|--------|--|----------|----------|-------|
| | | IDD Max. | IPP Max. | |
| IDD0 | Operating One Bank Active-Precharge Current | 790 | 90 | mA |
| IDD0F | Operating Four Bank Active-Precharge Current | 1150 | 170 | mA |
| IDD2N | Precharge Standby Current | 650 | 60 | mA |
| IDD2P | Precharge Power-Down Current | 560 | 50 | mA |
| IDD3N | Active Standby Current | 1200 | 150 | mA |
| IDD3P | Active Power-Down Current | 1120 | 140 | mA |
| IDD4R | Operating Burst Read Current | 2870 | 180 | mA |
| IDD4W | Operating Burst Write Current | 3050 | 210 | mA |
| IDD5B | Burst Refresh Current (Normal Refresh Mode) | 2730 | 500 | mA |
| IDD5C | Burst Refresh Current (Same Bank Refresh Mode) | 1260 | 170 | mA |
| IDD6N | Self Refresh Current: Normal Temperature Range | 790 | 130 | mA |
| IDD7 | Operating Bank Interleave Read Current | 3460 | 530 | mA |
| IDD8 | Maximum Power Saving Deep Power Down Current | 420 | 50 | mA |

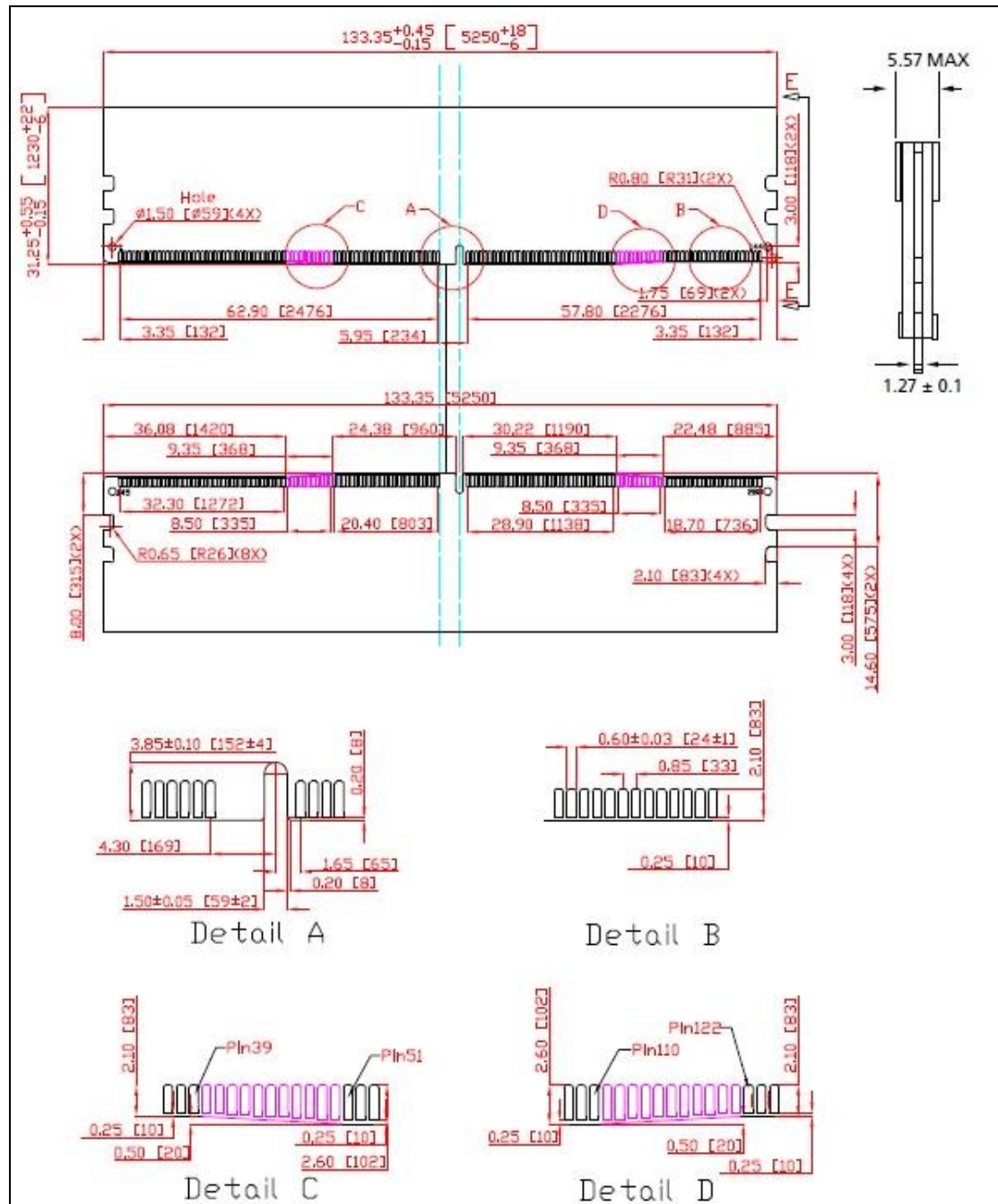
The above information may be change due to the update of the device specifications and is for reference only.

7. Timing Parameters

| Parameter | Symbol | 5600 | | Unit |
|---|----------------|--|-----|---------|
| | | Min | Max | |
| Clock Timing | | | | |
| Average clock period | tCK,AVG | 0.357 | | ns |
| Command and Address Timing | | | | |
| Read to Read command delay for same bank group | tCCD_L | Max(RBL/2, 5ns) | | nCK, ns |
| WRITE to WRITE command delay for same bank group | tCCD_L_WR | Max(32nCK, 20ns) | | nCK, ns |
| WRITE to WRITE command delay for same bank group, second WRITE not RMW | tCCD_L_WR2 | Max(16nCK, 10ns) | | nCK, ns |
| Read to Write command delay for same bank group | tCCD_L_ RTW | CL - CWL + RBL/2 + 2tCK - (Read DQS offset) + (tRPST - 0.5tCK) + tWPRE | | nCK, ns |
| Write to Read command delay for same bank in same bank group | tCCD_L_ WTR | CWL + WBL/2 + Max(16nCK,10ns) | | nCK, ns |
| Read to Read command delay for different bank in same bank group | tCCD_M | tCCD_L | | nCK, ns |
| Write to Write command delay for different bank in same bank group | tCCD_M_WR | tCCD_L_WR | | nCK, ns |
| Write to Read command delay for different bank in same bank group | tCCD_M_ WTR | tCCD_L_WTR | | nCK, ns |
| Read to Read command delay for different bank group | tCCD_S | RBL/2 | | nCK |
| Write to Write command delay for different bank group | tCCD_S_WR | WBL/2 | | nCK |
| Read to Write command delay for different bank group | tCCD_S_ RTW | CL - CWL + RBL/2 + 2tCK - (Read DQS offset) + (tRPST - 0.5tCK) + tWPRE | | nCK, ns |
| Write to Read command delay for different bank group | tCCD_S_ WTR | CWL + WBL/2 + Max(4nCK,2.5ns) | | nCK, ns |
| Write to Read with Auto Precharge command delay for same bank | tCCD_WTRA | CWL + WBL/2 + tWR - tRTP | | nCK, ns |
| Activate to Activate command delay to same bank group for 1KB page size | tRRD_L(1K) | Max(8nCK, 5ns) | | nCK, ns |

| | | | | |
|--|------------|-------------------------|--|---------|
| Activate to Activate command delay to same bank group for 2KB page size | tRRD_L(2K) | Max(8nCK, 5ns) | | nCK, ns |
| Activate to Activate command delay to different bank group for 1KB page size | tRRD_S(1K) | 8 | | nCK |
| Activate to Activate command delay to different bank group for 2KB page size | tRRD_S(2K) | 8 | | nCK |
| Four activate window for 1KB page size | tFAW(1K) | Max(32nCK, 11.428ns) | | nCK, ns |
| Four activate window for 2KB page size | tFAW(2K) | Max(40nCK, 14.285ns) | | nCK, ns |
| Read to Precharge command delay | tRTP | Max(12nCK, 7.5ns) | | nCK, ns |
| PRECHARGE to PRECHARGE delay | tPPD | 2 | | nCK |
| WRITE recovery time | tWR | 30 | | ns |

8. Module Dimensions



Note: All dimensions are in millimeters (mils) and should be kept within a tolerance of ± 0.15 (6), unless otherwise specified.

9. RoHS Declaration

| innodisk | 宜鼎國際股份有限公司 Innodisk Corporation | Page 1/2 | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------|-----------------------------|-----------------------------|--------|------------|--------|------------|--------|-----------|-------------|------------|-------------|------------|---------------|------------|------------------------|------------|------------------|------------|----------------|------------|------------------|------------|
| Tel:(02)7703-3000 Internet: https://www.innodisk.com/ | | | | | | | | | | | | | | | | | | | | | | | | |
| RoHS 自我宣告書 (RoHS Declaration of Conformity) | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer Products: All Innodisk Flash Memory, DRAM Module and Embedded Peripherals | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>一、 宜鼎國際股份有限公司 (以下稱本公司) 特此保證售予貴公司之所有產品, 皆符合歐盟 2011/65/EU 及 (EU) 2015/863 關於 RoHS 之規範要求。 Innodisk Corporation declares that all products sold to the company, are complied with European Union RoHS Directive (2011/65/EU) and (EU) 2015/863 requirement.</p> <p>二、 本公司同意因本保證書或與本保證書相關事宜有所爭議時, 雙方宜友好協商, 達成協議。 Innodisk Corporation agrees that both parties shall settle any dispute arising from or in connection with this Declaration of Conformity by friendly negotiations.</p> <p>三、 本公司聲明我們的產品符合 RoHS 指令的附件中 7(a)、7(c)-I、6(c) 允許豁免。 We declare, our products permitted by the following exemptions specified in the Annex of the RoHS directive.</p> <p>※ 7(a) Lead in high melting temperature type solders (i. e. lead-based alloys containing 85% by weight or more lead).</p> <p>※ 7(c)-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectric devices, or in a glass or ceramic matrix compound.</p> <p>※ 6(c) Copper alloy containing up to 4% lead by weight. (This exemption applies to products that use antennas)</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name of hazardous substance</th> <th>Limited of RoHS ppm (mg/kg)</th> </tr> </thead> <tbody> <tr> <td>鉛 (Pb)</td> <td>< 1000 ppm</td> </tr> <tr> <td>汞 (Hg)</td> <td>< 1000 ppm</td> </tr> <tr> <td>鎘 (Cd)</td> <td>< 100 ppm</td> </tr> <tr> <td>六價鉻 (Cr 6+)</td> <td>< 1000 ppm</td> </tr> <tr> <td>多溴聯苯 (PBBs)</td> <td>< 1000 ppm</td> </tr> <tr> <td>多溴二苯醚 (PBDEs)</td> <td>< 1000 ppm</td> </tr> <tr> <td>鄰苯二甲酸二(2-乙基己基)酯 (DEHP)</td> <td>< 1000 ppm</td> </tr> <tr> <td>鄰苯二甲酸丁酯苯甲酯 (BBP)</td> <td>< 1000 ppm</td> </tr> <tr> <td>鄰苯二甲酸二丁酯 (DBP)</td> <td>< 1000 ppm</td> </tr> <tr> <td>鄰苯二甲酸二異丁酯 (DIBP)</td> <td>< 1000 ppm</td> </tr> </tbody> </table> | | | Name of hazardous substance | Limited of RoHS ppm (mg/kg) | 鉛 (Pb) | < 1000 ppm | 汞 (Hg) | < 1000 ppm | 鎘 (Cd) | < 100 ppm | 六價鉻 (Cr 6+) | < 1000 ppm | 多溴聯苯 (PBBs) | < 1000 ppm | 多溴二苯醚 (PBDEs) | < 1000 ppm | 鄰苯二甲酸二(2-乙基己基)酯 (DEHP) | < 1000 ppm | 鄰苯二甲酸丁酯苯甲酯 (BBP) | < 1000 ppm | 鄰苯二甲酸二丁酯 (DBP) | < 1000 ppm | 鄰苯二甲酸二異丁酯 (DIBP) | < 1000 ppm |
| Name of hazardous substance | Limited of RoHS ppm (mg/kg) | | | | | | | | | | | | | | | | | | | | | | | |
| 鉛 (Pb) | < 1000 ppm | | | | | | | | | | | | | | | | | | | | | | | |
| 汞 (Hg) | < 1000 ppm | | | | | | | | | | | | | | | | | | | | | | | |
| 鎘 (Cd) | < 100 ppm | | | | | | | | | | | | | | | | | | | | | | | |
| 六價鉻 (Cr 6+) | < 1000 ppm | | | | | | | | | | | | | | | | | | | | | | | |
| 多溴聯苯 (PBBs) | < 1000 ppm | | | | | | | | | | | | | | | | | | | | | | | |
| 多溴二苯醚 (PBDEs) | < 1000 ppm | | | | | | | | | | | | | | | | | | | | | | | |
| 鄰苯二甲酸二(2-乙基己基)酯 (DEHP) | < 1000 ppm | | | | | | | | | | | | | | | | | | | | | | | |
| 鄰苯二甲酸丁酯苯甲酯 (BBP) | < 1000 ppm | | | | | | | | | | | | | | | | | | | | | | | |
| 鄰苯二甲酸二丁酯 (DBP) | < 1000 ppm | | | | | | | | | | | | | | | | | | | | | | | |
| 鄰苯二甲酸二異丁酯 (DIBP) | < 1000 ppm | | | | | | | | | | | | | | | | | | | | | | | |
| innodisk | 宜鼎國際股份有限公司 Innodisk Corporation Guarantor | Page 2/2 | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | |
| Company name 公司名稱: Innodisk Corporation 宜鼎國際股份有限公司 | | | | | | | | | | | | | | | | | | | | | | | | |
| Company Representative 公司代表人:  Yichuan Chen 陳怡全 | | | | | | | | | | | | | | | | | | | | | | | | |
| Company Representative Title 公司代表人職稱: Quality Assurance Div. SR. Manager 品質保證經理 | | | | | | | | | | | | | | | | | | | | | | | | |
| Date 日期: 2025/02/24 | | | | | | | | | | | | | | | | | | | | | | | | |

10. REACH Declaration

innodisk

宜鼎國際股份有限公司
Innodisk Corporation
REACH Declaration

Tel:(02)7703-3000 Fax:(02) 7703-3555 Internet: <https://www.innodisk.com/>

Innodisk Corporation pursues its social responsibility for global environmental preservation by committing to be compliant with REACH regulation (REGULATION (EC) No 1907/2006).

We hereby confirm that the product(s),

Scope: Flash Memory, DRAM Module and Embedded Peripherals Products.

(Standard finished products, excluding all of customized products and EA- /ET-series products)

- The standard products of **not listed in the Appendix2** meet the requirements of REACH SVHC regulations(SVHCs < 0.1% in Article), as described in the candidate list table currently including 250 substances (release date: 25-JUN-2025) and shown on the ECHA website. <https://echa.europa.eu/candidate-list-table>
- The standard products listed in the **Appendix2** contain(s) one or more hazardous substances or constituents exceeding 0.1 % by weight in article if not otherwise specified in candidate list table.
Where the threshold value is exceeded, the substances in question are to be declared in accompanying. (SVHCs > 0.1% in Article).
- Comply with REACH Annex XVII.

Guarantor



Company name 公司名稱: Innodisk Corporation 宜鼎國際股份有限公司

Company Representative 公司代表人:  Yichuan Chen 陳怡全

Company Representative Title 公司代表人職稱: Quality Assurance Div. SR. Manager 品保處經理

Date 日期: 2025 / 08 / 07

Revision Log

| Rev | Date | Modification |
|-----|-------------------------------|---------------------|
| 0.1 | 21 th October 2025 | Preliminary Edition |
| 1.0 | 21 th October 2025 | Official release |