Micro MMS 64GB

PSTF064GAJ-NTS

Plusetech Technology (SHENZHEN) CO., LIMITED

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PRODUCT SPECIFICATION / TEST REPORT

A. General Specification

Item		Specification / Condition
01	Product No (Model No.)	PSTF064GAJ-NTS
02	Volume	64G bytes
03	Outline Dimension	15.00 mm × 11.00 mm × 0.7 mm
04	Weight	0.6 grams max.
05	Interface	8 pins
06	Voltage Range	2.7 Volts ~ 3.6 Volts
07	Endurance	> 1,000 times R/W

B. Electrical Specification

Item		Specification/ Condition
01	Operation Voltage	3.3 Volts
02	Operating current	100 mA max.
03	Current carrying capacity@25℃	0.5 A
04	Insulation resistance	> 1,000 MΩ ; > 100 MΩ after test
05	Contact resistance	< 100 mΩ

C. Main Materials / Parts Specification

Item		Specification / Condition
01	SD controller chip	**AY2705ENLT**
02	Flash memory chip	**K9AHGD8J0D**
03	PCB	0.19mm BT dual layer PCB
04	Plastic case	No plastic case
05	Print	By request

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D. Test & Safety Approval

Item		Description
01		Products complied with SD association specifications: - Part 1, Physical layer specification - Part 2, File system specification - Part 3, Security specification

E. Environmental Specification

	Item	Specification / Condition
01	Temperature	Operation : -25 ℃~ 85℃ Storage : -40 ℃（168hr）~ 85℃（500hr）
02	Moisture & Corrosion	Operation : 25℃ / 95% rel. humidity Storage : 40℃/ 93% rel. humidity/500h Salt water spray: 3% NaCl@35C / 24hrs acc. MIL STD 1009
03	Durability	10,000 mating cycles.
03	Bending	10N
04	Torque	0.10N*m , ± 2.5° max
05	Drop test	1.5m free fall
06	UV light exposure	UV : 254nm; 15Ws/cm^2 acc. ISO 7816-1

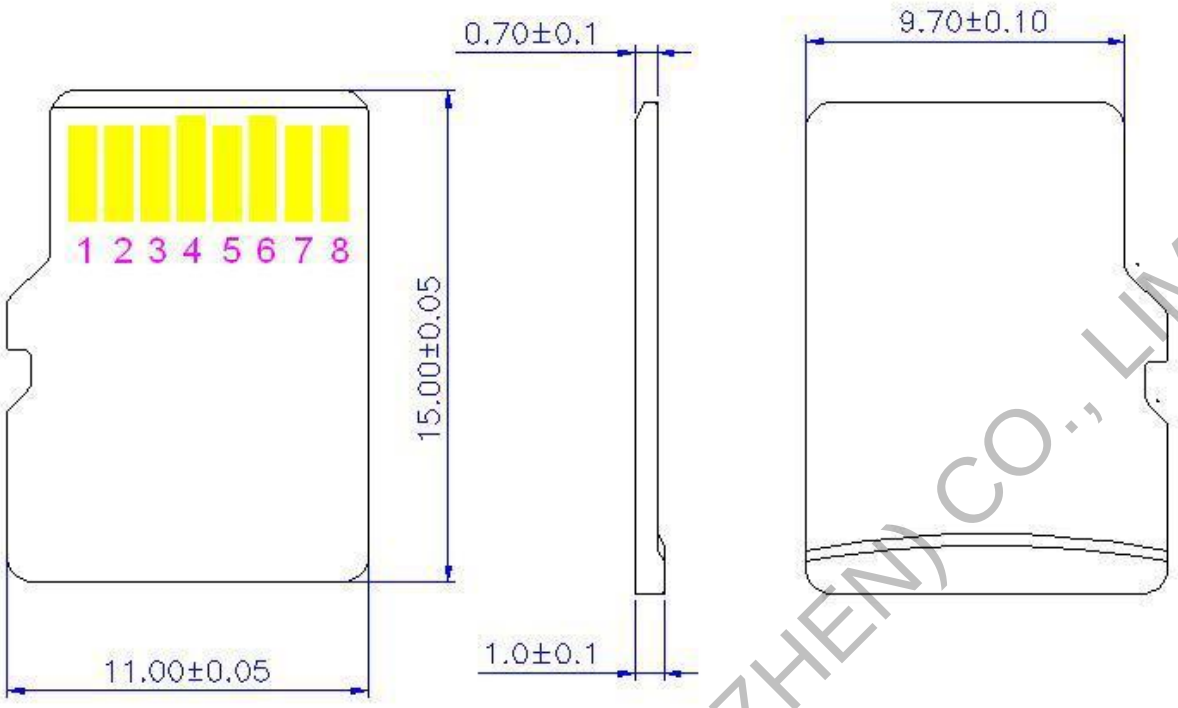
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F. Label & Marking

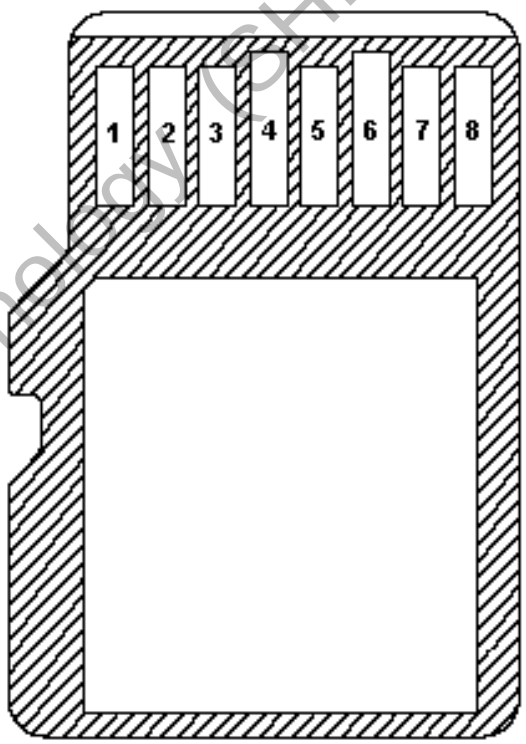
Front side	***Product Printing:*** (By Dynacard normal printing or customer identify printing or customer logo design)
Back side	***Laser marking:*** a. Model No. b. Mfg. date code c. Produce country

G. Outline Dimension

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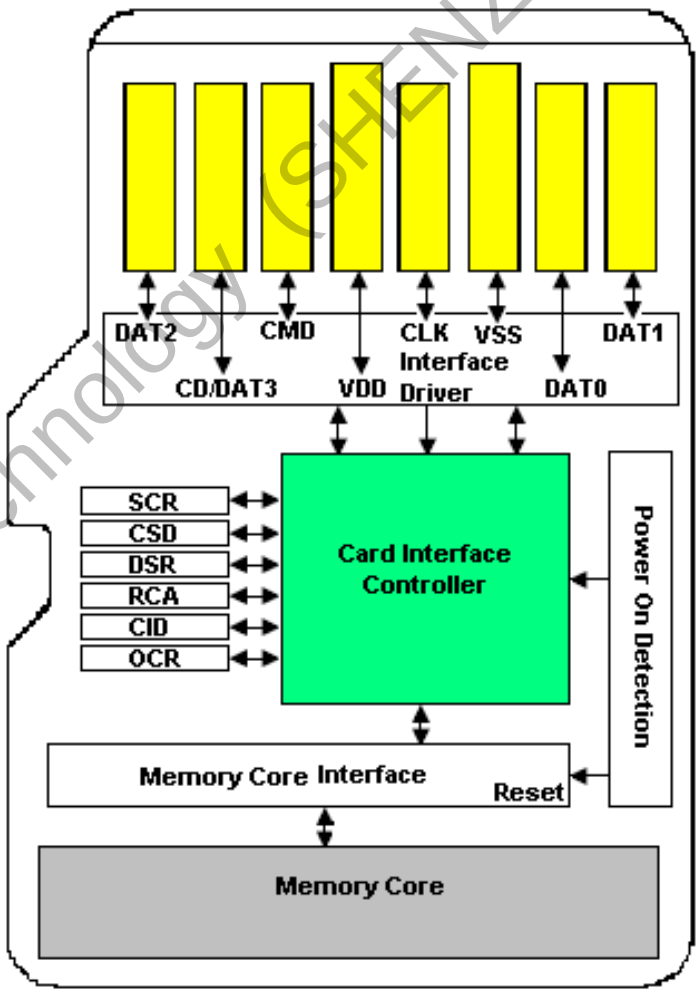


H. Memory Card Architecture



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Pin#	SD Mode			SPI Mode		
	Name	Type	Description	Name	Type	Description
1	DAT2	I/O/PP	Data Line [Bit 2]	RSV		Reserved
2	CD/DAT3[2]	I/O/PP[3]	Card Detect / Date Line [Bit 3]	CS	I	Chip Select
3	CMD	PP	Command / Response	DI	I	Data In
4	V_{DD}	S	Supply Voltage	VDD	S	Supply Voltage
5	CLK	I	Clock	SCLK	I	Clock
6	Vss	S	Supply Voltage G round	VSS	S	Supply Voltage Ground
7	DAT0	I/O/PP	Data Line [Bit 0]	DO	O/PP	Data Out
8	DAT1	I/O/PP	Data Line [Bit 1]	RSV		Reserved



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Test Report

Test Conditions：
Product type：MicroMMS 64GB
Function Test Sample Size：50 pcs
Environment：Windows 10 system， Instrument：Caliper

Test Items：
1.Outline Dimension： 50 pcs
2.Card Volume Capacity： 50 pcs
3.Read / Write Test： 10 pcs
4.Card Format Test： 50 pcs
5.Card Speed Test： 10 pcs

Test Result：

Test Item	Test Q`ty	PASS Q`ty	FAIL Q`ty
Outline Dimension	50	50	0
Card Volume Capacity	50	50	0
Read/Write Test	10	10	0
Card Format Test	50	50	0

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5. Card Speed Test

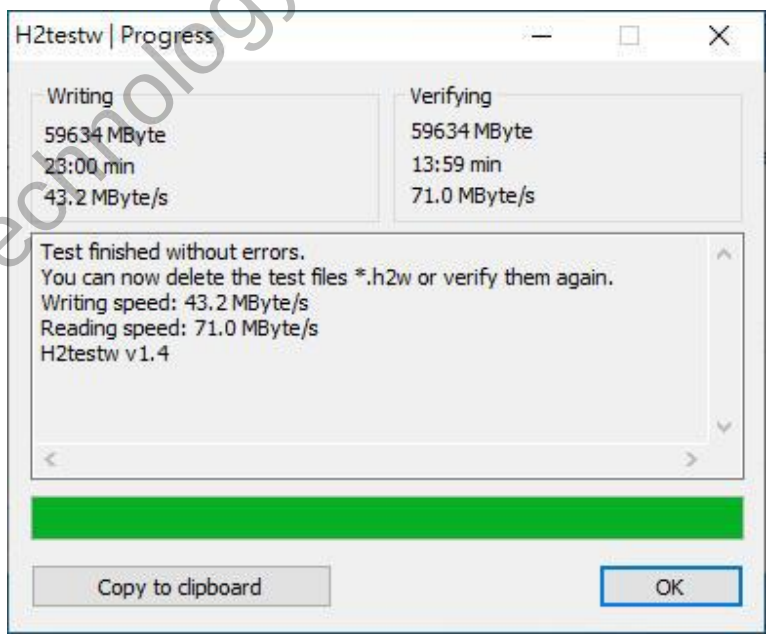
Test PC Software：
H2Test V1.4
SD Formatter V4.0

Test Device：
Transcend Card Reader (TS-RDF5K)

Test PC System Specification：
Operation System：Windows 10
Version：20H2
CPU：i3-10100 3.60GHz
RAM：8GB
USB：3.0

Note：The data as below is tested by the hardware and software specification as above list，different test data resulted from different PC system，this test document is for reference only。

Flash	**K9AHGD8J0D**
Card Model	**64GB**
Read Speed	**71.0 MByte/sec**
Write Speed	**43.2 MByte/sec**



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