Zetta Micro MMS 32GB- 2GB

PRODUCT SPECIFICATION

A. General Specification

Item		Specification / Condition
01	Product No (Model No.)	ZDMSD32GB ZDMSD16GB ZDMSD08GB ZDMSD04GB ZDMSD02GB
02	Volume	32G- 2GB 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

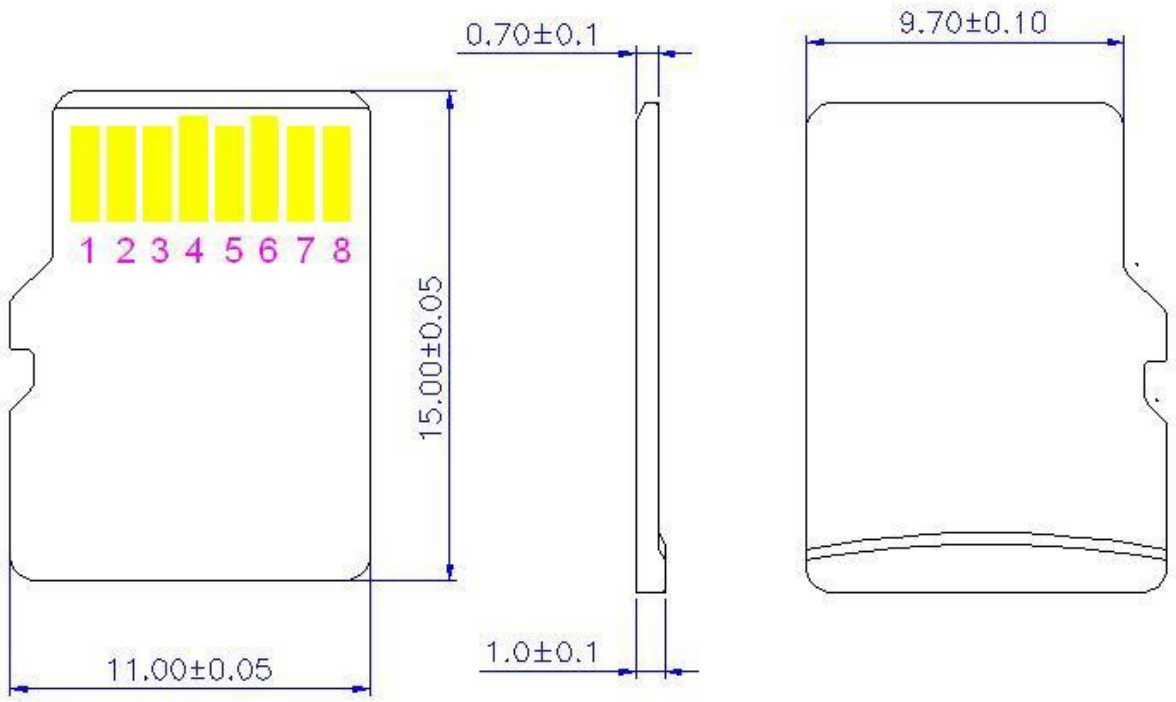
C. Test & Safety Approval

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

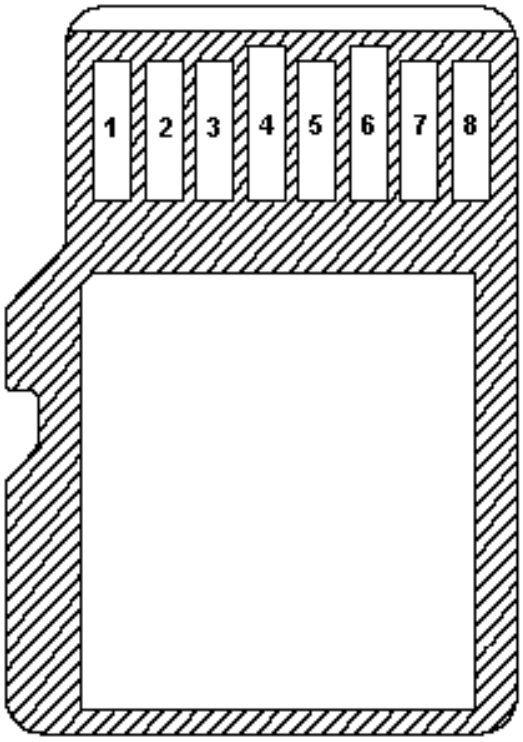
D. Environmental Specification

	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

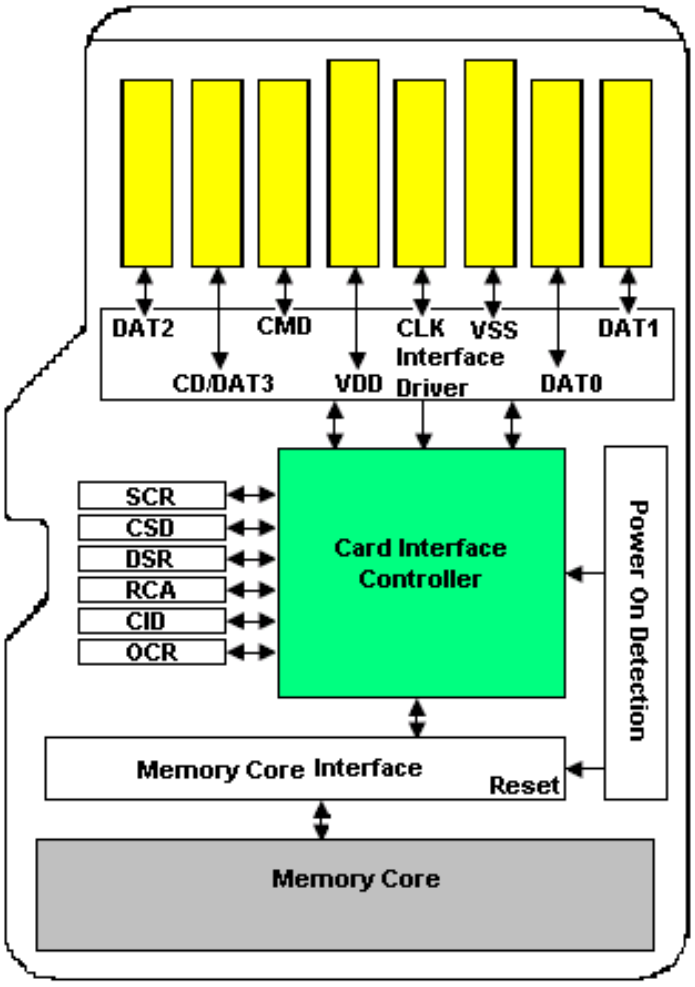
E. Outline Dimension



F. Memory Card Architecture



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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*Specifications and product offerings subject to change without notice.