The Breakthrough of Mobile Memory

Apacer microSD 3.0 UHS-I card series presents new generation of mobile memory. By complying with SD System Specification version 3.0 and the latest UHS-I (Ultra High Speed – I) standard, the mobile storage cards are becoming even faster in data transfer and larger in capacities. The microSD cards are highly suitable for smart phone and other mobile usages where speed and capacities are critical for high-definition multimedia files or Apps.

The UHS standard is a recently announced standard by the SD specification association aimed at handling powerful Apps, high resolution images and UltraHD videos. Besides a speed boost, Apacer microSD 3.0 UHS-I series comes in various capacities, offering the right memory space for precious pictures and videos, as well as useful Apps.

Applications

- Smart phone
- Tablet PC
- Other devices with microSD slot

Features:

- Supports SD System Specification Version 3.0
- Supports SDHC up to 32 GB; SDXC up to 2 TB;
- UHS-I: Ultra High Speed-I (minimum transfer speed over 30MB/s), ideal for useful Apps and high resolution images and Ultra HD videos

- UHS-I: Ultra High Speed-I (minimum transfer speed over 10MB/s), ideal for 3D and Full HD videos
- Applicable for smart phones other devices with microSD card slot.
- ECC

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General Product Specifications

Specifications	
Interface	microSD Specification Version 3.0
Interface speed	UHS-I **⌴3** (Indicate Speed Class 3 on UHS-I Interface) UHS-I **⌴1** (Indicate Speed Class 1 on UHS-I Interface) Class 10 (Indicate SD Speed Class when used with a device that does not support UHS Interface)
Capacity*	32GB-64GB for R/W 95/85MB/s 16GB~32GB for R/W 95/45MB/s
Form Factor	SDHC or SDXC
Operating Voltage	2.7V to 3.6V
Dimension	15mm(L) x 11mm(W) x 1mm(H)
Temperature	Operating	0°C to 70°C
	Storage	-40°C to 85°C
Humidity	Operating: RH=93% under 25°C non-condensing
	Storage: RH=93% under 40°C non-condensing
Drop test**	1.5m free fall
Torque test**	0.15N-m or ±2.5 deg.
Warranty	Limited product lifetime warranty
Certifications	RoHS, CE, FCC, BSMI

*Unformatted. Theoretically, 1GB=1,000,000,000 Bytes. Under operating systems, the capacity might appear to be less than the theoretical capacity because the calculation in OS is based on 1 GB = 1024 MB / 1MB =1024KB and a minority of the capacity is reserved for maintenance purposes.
**Drop test and Torque test results are subject to change without notice

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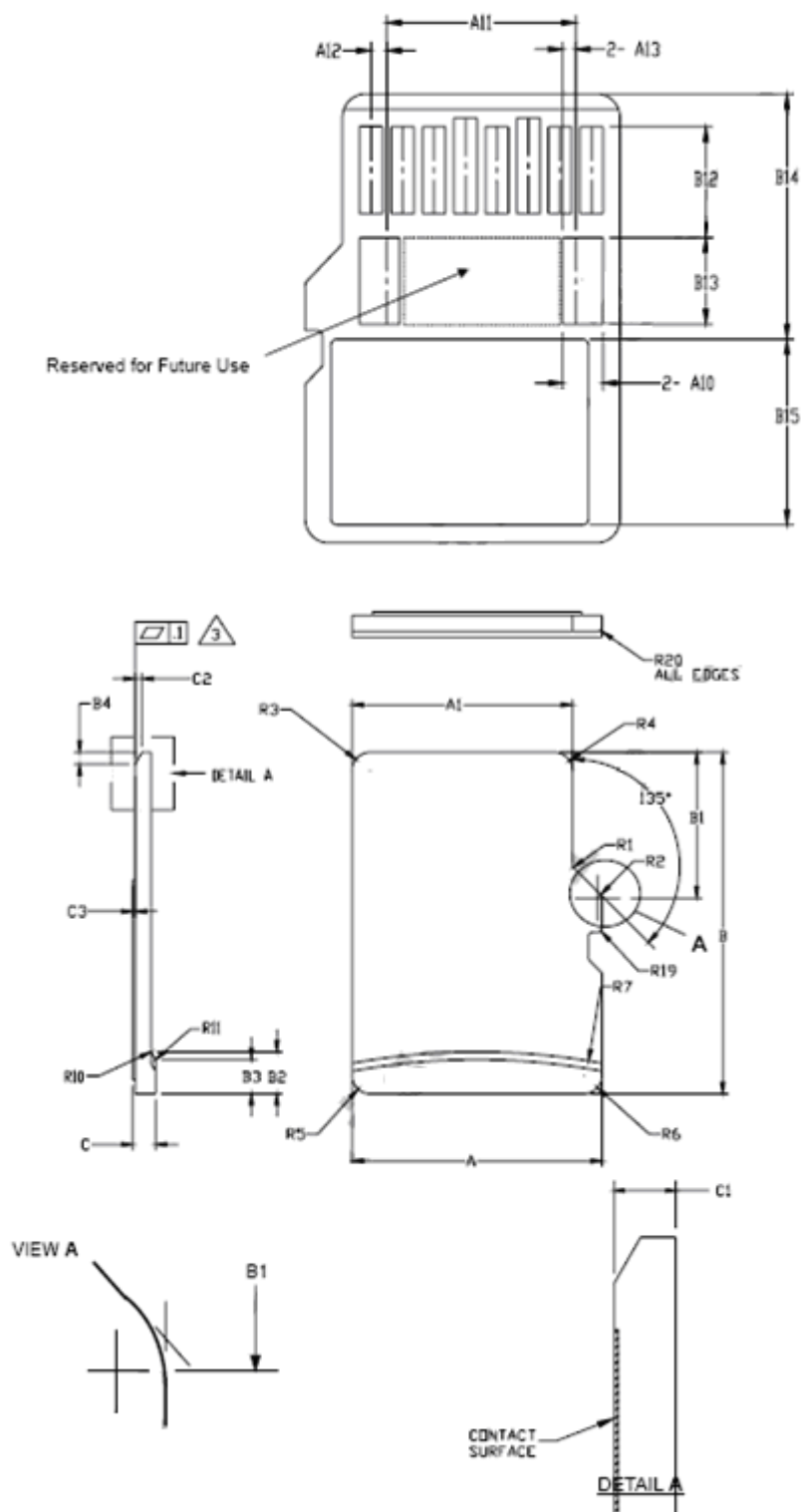Fax: 31-40-267-0000#6199
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Physical Characteristics

Ordering Information

Speed	Capacity	P/N
UHS-I **U1** Class10	8GB	AP8GMCSH10U1-X
	16GB	AP16GMCSH10U1-X
	32GB	AP32GMCSH10U1-X
	64GB	AP64GMCSX10U1-X
	128GB	AP128GMCSX10U1-X
UHS-I **U3** Class10 R/W: 95/45MB/s	16GB	AP16GMCSH10U3-X
	32GB	AP32GMCSH10U3-X
UHS-I **U3** Class10 R/W: 95/85 MB/s	32GB	AP32GMCSH10U4-X
	64GB	AP64GMCSX10U4-X

Revision History

Version	Description	Date
0.1	Preliminary release	06/14/2013
0.2	Added Class x as speed class Removed Write Protect mechanical switch Revised the dimensions	06/24/2013
0.3	Defined interface speed class as Class 10 Added ECC in Features	06/26/2013
0.4	Updated address of Taiwan headquarter	10/14/2013
0.5	Revised features and General Product Specifications	11/06/2014
0.6	Added new part number	02/25/2015
0.7	Revised features, Specifications and PN	03/11/2015