HAGIWARA Solutions



Conformal Coating Service

Do you worry about unexpected failures caused by high humidity, dust, cutting oil or chemical contaminants?



Let us help you!

You have 2 choices of coating materials.



Acrylic Resin

Urethane Acrylate



The urethane acrylate is more protective from salt water and oil.

Of course, the materials comply with RoHS.

Hagiwara DIMM

		DDR3L		DDR4	
Form Factor		U-DIMM	SO-DIMM	U-DIMM	SO-DIMM
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NON-ECC	Speed	1600MHz	1600MHz	2133/2400/2666MHz	2133/2400/2666MHz
	Capacity	2/4/8GB	2/4/8GB	4/8/16GB	4/8/16GB
ECC	Speed	1600/1866MHz	1600/1866MHz	2133/2400/3200MHz	2133/2400/3200MHz
	Capacity	2/4/8GB	2/4/8GB	4/8/16GB	4/8/16GB
Operation Temperature		0 to 85℃		0 to 85℃	
PIN		204Pin	240Pin	288Pin	260Pin

^{*}We offer DDR3L for 1.5V & 1.35V requirement.

Comply With Major Standards

✓ MIL-I-46058C: Military-grade of the thermal shock test

✓ UL94V-0: Higher grade of the flame retardant

Coating Characteristics

Coating Materials	Acrylic Resin / Solvent	Urethane Acrylate / Solvent-Less
Appearance	Transparent	Transparent
Dust resistance	+++	+++
Anti-humidity	+++	+++
Gas resistance	+++	+++
Salt water resistance	++	+++
Oil resistance	++	+++
Heat resistance *1	-40℃ to 125℃	-40℃ to 150℃
RoHS	Yes	Yes
Fire-resistance	UL94V-0	UL94V-0
Environmental impact (VOC regulation)	+	+++
Repairability	+++	+ *3
MIL-I-46058C *2	Yes	Yes

[+++: excellent, ++: good, +: average]

MAGIWARA Solutions

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■ Partner:

^{*1}: Temperature specification of the coating materials. *2: Thermal shock test standards.

^{*3:} We cannot repair and analyze the parts on the SSDs because of the coating.