

MATERIAL DECLARATION SHEET



Material Number	CD214A-S1x			
Product Line	Semiconductor Products			
Compliance Date	2019/8/2			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material/ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)	
1	FRP	Metal	12.01	Continuous filament glass fibers	65997-17-3	25.10%	15.072550%	60.05%	
				Phosphorus-based epoxy resin	Confidentiality	23.11%	13.877555%		
				Inorganic filler	Confidentiality	12.07%	7.248035%		
				Copper	7440-50-8	39.45%	23.689725%		
				Zinc	7440-66-6	0.20%	0.120100%		
				Nickel	7440-02-0	0.05%	0.030025%		
				Chromium	7440-47-3	0.01%	0.006005%		
2	Epoxy	Plastic	4.23	Arsenic	7440-38-2	0.01%	0.006005%	21.15%	
				Silicon Dioxides	7631-86-9	57.14%	12.085110%		
3	Die Attach	Metal	0.25	Bis-Phenol Type Epoxy	9003-36-5	42.86%	9.064890%	1.25%	
				Lead ^(Note 2)	7439-92-1	92.5%	1.156250%		
4	Dice	Others	3.11	Tin	7440-31-5	5.0%	0.062500%	15.55%	
				Silver	7440-22-4	2.5%	0.031250%		
				Silicon	7440-21-3	73.54%	11.4354690%		
				Nickel	7440-02-0	1.99%	0.3094450%		
				Aluminum	7429-90-5	0.56%	0.0870800%		
				Lead Glass ^(Note 3)	7439-92-1	14.80%	2.3014000%		
5	Terminal Plating	Metal	0.4	Phosphorus	7723-14-0	0.249%	0.0387200%	2.00%	
				Boron	7440-42-8	0.874%	0.1359070%		
				Misc., not to declare	Confidentiality	7.987%	1.2419790%		
				Tin	7440-31-5	100%	2.000000%		
			Total weight	20					

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This Document was updated on: 2019/8/2

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. RoHS exemption 7(a): Lead in high melting temperature type solders (i.e. lead- based alloys containing 85% by weight or more lead)
3. RoHS exemption 7(c)-I: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezo-electronic devices, or in a glass or ceramic matrix compound