Compliant with IEC 62474/ D9.00 Compliant to IEC 61249-2-21:2003

Silica, vitreous  Epoxy Resin (No bromine, No diantimony trioxide)  Phenolic Resin (No Br / CL Sb03, No diantimony trioxide)  Epoxy, Cresol Novolac  Carbon Black  Copper  Iron  Silver  Zinc  Phosphorous  Silver  Diester Resin  Functionalized Urethane Resin  Epoxy Resin	CAS Number 60676-86-0 Trade Secret Trade Secret 29690-82-2 1333-86-4 7440-50-8 7439-89-6 7440-22-4 7440-66-6 7440-22-4	"Contained in" Sub-Component Mold Compound Mold Compound Mold Compound Mold Compound Mold Compound Mold Compound Lead Frame Lead Frame	% Total Weight 32.402 2.335 2.335 0.934	mg/part 51.001 3.675	<b>ppm</b> 324,020	60.00	(mg) Total Silica, vitreous	Mold Compound	% ot Total Weight	e3 38.12
Silica, vitreous  Epoxy Resin (No bromine, No diantimony trioxide)  Phenolic Resin (No Br / CL Sb03, No diantimony trioxide)  Epoxy, Cresol Novolac  Carbon Black  Copper  Iron  Silver  Zinc  Phosphorous  Silver  Diester Resin  Functionalized Urethane Resin  Epoxy Resin	60676-86-0 Trade Secret Trade Secret 29690-82-2 1333-86-4 7440-50-8 7439-89-6 7440-22-4 7440-66-6 7723-14-0	Mold Compound Mold Compound Mold Compound Mold Compound Mold Compound Mold Compound Lead Frame	32.402 2.335 2.335 0.934	51.001 3.675	324,020	60.00	,	·	% of Total Weight	
Epoxy Resin (No bromine, No diantimony trioxide) Phenolic Resin (No Br / CL SbO3, No diantimony trioxide) Epoxy, Cresol Novolac Carbon Black Copper Iron Silver Zinc Phosphorous Silver Diester Resin Functionalized Urethane Resin Epoxy Resin	Trade Secret Trade Secret 29690-82-2 1333-86-4 7440-50-8 7439-89-6 7440-22-4 7440-66-6 7723-14-0	Mold Compound Mold Compound Mold Compound Mold Compound Lead Frame	2.335 2.335 0.934	3.675			Silica vitreous	00070 00 0		- 30.12
Phenolic Resin (No Br / CL SbO3, No diantimony trioxide)  Epoxy, Cresol Novolac  Carbon Black  Copper  Iron  Silver  Zinc  Phosphorous  Silver  Diester Resin  Functionalized Urethane Resin  Epoxy Resin	Trade Secret 29690-82-2 1333-86-4 7440-50-8 7439-89-6 7440-22-4 7440-66-6 7723-14-0	Mold Compound Mold Compound Mold Compound Lead Frame	2.335 0.934					60676-86-0	85.00	i
Epoxy, Cresol Novolac Carbon Black Copper Iron Silver Zinc Phosphorous Silver Diester Resin Functionalized Urethane Resin Epoxy Resin	29690-82-2 1333-86-4 7440-50-8 7439-89-6 7440-22-4 7440-66-6 7723-14-0	Mold Compound Mold Compound Lead Frame	0.934		23,349		Epoxy Resin	Trade Secret	6.13	i
Carbon Black Copper Iron Silver Zinc Phosphorous Silver Diester Resin Functionalized Urethane Resin Epoxy Resin	1333-86-4 7440-50-8 7439-89-6 7440-22-4 7440-66-6 7723-14-0	Mold Compound Lead Frame		3.675	23,349		Phenolic Resin	Trade Secret	6.13	d
Copper Iron Silver Zinc Phosphorous Silver Diester Resin Functionalized Urethane Resin Epoxy Resin	7440-50-8 7439-89-6 7440-22-4 7440-66-6 7723-14-0	Lead Frame	0.114	1.470 0.180	9,339 1,144		Epoxy, Cresol Novolac	29690-82-2	2.45 0.30	d
Iron Silver Zinc Phosphorous Silver Diester Resin Functionalized Urethane Resin Epoxy Resin	7439-89-6 7440-22-4 7440-66-6 7723-14-0					ļ	Carbon Black	1333-86-4		<u>.</u>
Silver Zinc Phosphorous Silver Diester Resin Functionalized Urethane Resin Epoxy Resin	7440-22-4 7440-66-6 7723-14-0		24.276 0.597	38.211 0.940	242,761			Total	100.00	
Zinc Phosphorous Silver Diester Resin Functionalized Urethane Resin Epoxy Resin	7440-66-6 7723-14-0				5,971	40.00	(mg) Total	Lead Frame	% of Total Weight	25.41
Phosphorous Silver Diester Resin Functionalized Urethane Resin Epoxy Resin	7723-14-0	Lead Frame	0.484	0.762	4,841		Copper	7440-50-8	95.54	i
Silver Diester Resin Functionalized Urethane Resin Epoxy Resin		Lead Frame	0.032 0.021	0.050 0.033	318		Iron	7439-89-6	2.35	i
Diester Resin Functionalized Urethane Resin Epoxy Resin	7440-22-4	Lead Frame Die Attach	2.618	4.120	210 26.175		Silver	7440-22-4	1.91 0.13	i
Functionalized Urethane Resin Epoxy Resin	94-80-4	Die Attach	0.524	0.824	5,235		Zinc Phosphorous	7440-66-6 7723-14-0	0.13	d
Epoxy Resin	72869-86-4	Die Attach	0.324	0.824	1.745		riiospiioious	7723-14-0 Total	100.00	1
				0.275	873					
	9003-36-5	Die Attach	0.087			5.49	(mg) Total	Die Attach	% of Total Weight	3.49
	13561-08-5	Die Attach	0.087	0.137	873		Silver	7440-22-4	75.00	i
Silicon	7440-21-3	Chip (Die)	3.180	5.005	31,800	_	Diester Resin	94-80-4	15.00	i
	7440-57-5	Wire Bond	1.210	1.905	12,100	Fund	ctionalized Urethane Resin	72869-86-4	5.00	i
lin	7440-31-5	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour TOTALS:	28.590 <b>100.000</b>	45.001 <b>157.400</b>	285,900 <b>1.000.000</b>		Epoxy Resin Epoxy Resin	9003-36-5 13561-08-5	2.50 2.50	i
			100.000	157.400	1,000,000		Epoxy Resin			1
is semiconductor device and its homogenous materials comply with		g Total Mass						Total	100.00	
ompliance with the above EU Directives has been verified via internal of a chemical substance is absent from the list above, the chemical subscorporated's knowledge and belief as of the date of this document, the	stance is NOT a	an intentional ingredient in the semiconductor device and					Doped Silicon	7440-21-3 Total	100.00 <b>100.00</b>	
ny, is not below the threshold of regulatory concern for any regulatory scheme world-wide.  folding compounds used by Microchip meet the UL94 V0 flammability standard for plastics. You can access the UL iQTM family of databases to obtain a test report at  ttp://ul.com/global/eng/pages/offerings/industries/chemicals/plastics/						1.90	(mg) Total	Wire Bond	% of Total Weight	1.21
The protective "tubes" in which the specific product is shipped are made from polyvinyl chloride (PVC) plastic. "Window envelopes" used to hold the packing slip on the outer box and ertain "reels" may be made from PVC plastic.							Doped Gold	7440-57-5	100.00	
crochip Technology Incorporated believes the information in this forn ir original packing materials is true and correct to the best of its knov						•		Total	100.00	•
ompleteness and accuracy of data in this form because it has been con formation is often protected from disclosure as trade secrets and som rovided only as estimates of the average weight of these parts and the f dopants, metals, and non-metal materials contained within silicon de	mpiled based on me information of a average weigh	on the ranges provided in Material Safety Data Sheets pro may not have been provided by subcontract assemblers nt of anticipated significant toxic metals components. The	vided by raw m and raw materi	aterial supplie al suppliers. Ir	rs. Supplier formation is					
icrochip Technology Incorporated does not provide any warranty, express or implied, with respect to the information provided in this declaration. The exclusive, limited product arranties provided by Microchip Technology Incorporated and its subsidiaries are contained in Microchip's standard terms and conditions of sale. These are provided in Microchip's lotations, sales order acknowledgement, and invoices.					45.00	(mg) Total	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour	% of Total Weight	28.59	
licrochip disclaims any duty to notify users of updates or changes to Material Content Declarations and shall not be liable for any damages, direct or indirect, consequential or therwise, suffered by users or third parties as a result of the users' reliance on the information in Material Content Declarations (MCD) or independent third party test reports (SGS) or this Certificate of Compliance for semiconductor products.							Tin	7440-31-5	100.00	
ssembled package referenced above is EU REACH compliant based on tp://echa.europa.eu/web/guest/candidate-list-table	n the latest SVI	HC candidate list of ECHA which can be found at				157.400		Total	100.00	

Au 11:04 AM : 8/17/2015