Semiconductor Device Type: MNY (5QX) 008 TDFN 2x3x0.8mm NiPdAu				Termination Base Alloy: Copper Alloy (Cu)			Package Homogeneous Materials: 8.1 Electronics (e.g. pc boards, displays)			
		"Contained In"	% I otal			8.40	(mg) Total	Mold Compound	% ot Total Weight	59.97
Basic Substance	CAS Number	Sub-Component	Weight	mg/part	ppm					
Silica, vitreous (or fused)	60676-86-0	Mold Compound	50.975	7.136	509,745		Silica, vitreous (or fused)	60676-86-0	85.00	
Epoxy Resin	Trade Secret	Mold Compound	5.217	0.730	52,174		Epoxy Resin	Trade Secret	8.70	
Phenolic Resin	Trade Secret	Mold Compound	3.598	0.504	35,982		Phenolic Resin	Trade Secret	6.00	
Carbon Black	1333-86-4	Mold Compound	0.180	0.025	1,799		Carbon Black	1333-86-4	0.30	<u> </u>
Copper	7440-50-8	Lead Frame	32.712	4.580	327,123			Total	100.00	
Iron	7439-89-6	Lead Frame	0.773	0.108	7,733	4.71	(mg) Total	Lead Frame	% of Total Weight	33.62
Phosphorous	7723-14-0	Lead Frame	0.084	0.012	841		Copper	7440-50-8	97.30	
Zinc (Metal)	7440-66-0	Lead Frame	0.050	0.007	504		Iron	7439-89-6	2.30	
Silver	7440-22-4	Die Attach	0.936	0.131	9,360		Phosphorous	7723-14-0	0.25	
Acrylate resins Proprietary	Trade Secret	Die Attach	0.216	0.030	2,160		Zinc (Metal)	7440-66-0	0.15	
Treated silica	Trade Secret	Die Attach	0.024	0.003	240			Total	100.00	-
Heterocyclic organic compound	Trade Secret	Die Attach	0.024	0.003	240	0.17	(mg) Total	Die Attach	% of Total Weight	1.2
Silicon	7440-21-3	Chip (Die)	4.010	0.561	40.100	0.11	Silver	7440-22-4	78.00	
Gold	7440-57-5	Wire Bond	0.770	0.108	7.700		Acrylate resins Proprietary	Trade Secret	18.00	
Nickel	7440-02-0	Plating on external leads (pins)	0.412	0.058	4,116		Treated silica	Trade Secret	2.00	
Palladium	7440-02-0	Plating on external leads (pins)	0.412	0.002	4,116			Trade Secret	2.00	
						Hete	rocyclic organic compound			<u>I</u>
Gold	7440-57-5	Plating on external leads (pins)	0.004	0.001	45			Total	100.00	
		TOTALS	S: 100.000	14.000	1,000,000	0.56	Total (mg)	Chip (Die)	% of Total Weight	4.01
0.0140 g Total Mass							Doped Silicon	7440-21-3	100.00	
ompliance with the above EU Directives has been verified via internal design controls, supplier declarations, and /or analytical test data. a chemical substance is absent from the list above, the chemical substance is NOT an intentional ingredient in the semiconductor device and, to the best of Microchip Technology						0.11	(mg) Total	Wire Bond	% of Total Weight	0.77
	cument, there is no credib	n intentional ingredient in the semiconductor device and, i le reason to believe that the unavoidable impurity concent					Doped Gold	7440-57-5	100.00	
ng compounds used by Microchip meet the UL94 V0 fla ul.com/global/eng/pages/offerings/industries/chemicals		astics. You can access the UL iQTM family of databases to	obtain a test repo	ort at				Total	100.00	3
e 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 rtain "reels" may be made from PVC plastic.						0.06	(mg) Total	Plating on external leads (pins)	% of Total Weight	0.43
crochip Technology Incorporated believes the information in this form concerning substances restricted by RoHS in Microchip Technology Incorporated's semiconductor devices in their ginal packing materials is true and correct to the best of its knowledge and belief, as of the date listed in this form. Microchip Technology Incorporated cannot guarantee the mpleteness and accuracy of data in this form because it has been compiled based on the ranges provided in Material Safety Data Sheets provided by raw material suppliers. Supplier ormation is often protected from disclosure as trade secrets and some information may not have been provided by subcontract assemblers and raw material suppliers. Information is vided only as estimates of the average weight of these parts and the average weight of anticipated significant toxic metals components. These estimates do not include trace levels of pants, metals, and non-metal materials contained within silicon devices (silicon IC) in the finished parts.							Nickel	7440-02-0	95.73	
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embled package referenced above is EU REACH complia ://echa.europa.eu/web/guest/candidate-list-table	int based on the latest SVH	IC candidate list of ECHA which can be found at				14.000		Total	100.00	100.0

14.000

100.000