MICROCHIP						Package Homogeneous Materials				
Semiconductor Device Type: C5X-TSSOP-8-3x4.4x1.2mm-MatteTin										
Sub-Component	Basic Substance	CAS Number	% Total Weight	mg/part	ppm	19.49	(mg) Total	Mold Compound	% of Total Weight	59.06
Mold Compound	Epoxy Resin A	Trade Secret	4.13	1.36	41342		Epoxy Resin A	Trade Secret	7.00	
Mold Compound	Epoxy Resin B	Trade Secret	1.18	0.39	11812		Epoxy Resin B	Trade Secret	2.00	
Mold Compound	Phenol Resin	Trade Secret	1.18	0.39	11812		Phenol Resin	Trade Secret	2.00	
Mold Compound	Silica (Amorphous)	60676-86-0	51.97	17.15	519728		Silica (Amorphous)	60676-86-0	88.00	
Mold Compound	Carbon Black	1333-86-4	0.59	0.19	5906		Carbon Black	1333-86-4	1.00	
Lead Frame	Copper	7440-50-8	29.91	9.87	299125			Total	100.00	
Lead Frame	Nickel	7440-02-0	0.95	0.31	9456					
Lead Frame	Silicon	7440-21-3	0.32	0.10	3152	10.40	(mg) Total	Lead Frame	% of Total Weight	31.52
Lead Frame	Magnesium	7739-95-4	0.03	0.01	315		Copper	7440-50-8	94.90	
Lead Frame	Silver	7440-22-4	0.32	0.10	3152		Nickel	7440-02-0	3.00	
Die Attach	Silver	7440-22-4	1.08	0.35	10752		Silicon	7440-02-0	1.00	
Die Attach	Epoxy Resin	Trade Secret	0.01	0.00	112		Magnesium	7739-95-4	0.10	
Die Attach	Cashew, nutshell liq. polymer with epichlorohydrin	68413-24-1	0.01	0.00	112		Silver	7440-22-4	1.00	
Die Attach	Toluene	108-88-3	0.01	0.00	112			Total	100.00	
Die Attach	2-Heptyl-3,4-bis(9-isocyanatononyl)-1- pentylcyclohexane	68239-06-5	0.01	0.00	56			Total	100.00	
Die Attach	1,1'-(methylenedi-p-phenylene)bismaleimide	13676-54-5	0.01	0.00	56	0.37	(mg) Total	Die Attach	% of Total Weight	1.12
Die	Silicon	7440-21-3	6.30	2.08	63000		Silver	7440-22-4	96.00	
Bonding Wire	Gold	7440-57-5	0.18	0.06	1800		Epoxy Resin	Trade Secret	1.00	
Plating on External Leads	Tin	7440-31-5	1.82	0.60	18191		Cashew, nutshell liq. polymer with epichlorohydrin	68413-24-1	1.00	
Plating on External Leads	Lead	7439-92-1	0.00	0.00	9		Toluene	108-88-3	1.00	
TOTALS: 100.00 33.00 1,000,000							2-Heptyl-3,4-bis(9-isocyanatononyl)-1- pentylcyclohexane	68239-06-5	0.50	
33.00 mg Total Mass							1,1'-(methylenedi-p- phenylene)bismaleimide	13676-54-5	0.50	
nformation contained in this Material Co	ontent Declaration (MCD) consists of package-leve	al information and is not nort n	umber enecifie 1	This information is	considered to			Total	100.00	
ufficiently representative of all part num		or mormation and is not part in	umber specific.	inis iniviniauUII is	Considered (U	2.08	(mg) Total	Die	% of Total Weight	6.30
ochin Tochnology Incorporated designs	all products to comply with global product materi	al compliance etandarde, inclu	iding but not limi	tod to PoUS DEA	CH and China		Silicon	7440-21-3	100.00	
	designed to be compliant with IEC62474. For speci						- Cincoln	Total	100.00	
icrochip Technology Incorporated believes the information in this MCD is true and correct to the best of its knowledge and belief, as of the date listed in this form. Microchip schnology incorporated cannot guarantee the completeness and accuracy of data in this form because it has been compiled based on the ranges provided in Safety Data						0.06	(mg) Total	Bonding Wire	% of Total Weight	0.18
							Gold	7440-57-5	100.00	
	Supplier information is often protected from disclo appliers. Information is provided only as estimates							Total	100.00	
dopants, impurities, metals, and non-metallic materials which may be contained within silicon devices (silicon IC) or the finished parts.						0.60	(mg) Total	Plating on External Leads	% of Total Weight	1.82
	A CONTRACTOR CONTRACTO									

Microchip disclaims any duty to notify users of updates or changes to MCDs and shall not be liable for any damages, direct or indirect, consequential or otherwise, suffered by users or third parties as a result of the users' reliance on the information in MCDs.

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G600V-C7025-2200D 1:12 PM : 5/23/2025

Tin Lead

33.00

0.05

100.00

7440-31-5

7439-92-1

Total

100.00