

Type number	Package	Package description	Total product weight
PESD1LIN	SOD323	SOD2	4.19845 mg

12NC	Version	Pb-free soldering			Pb soldering			Number of processing cycles	Assembly site	RHF-indicator
		MSL	PPT	MPPT	MSL	PPT	MPPT			
934058897145	3	1	260	30 s	1	235	20 s	3	D-22529 HAMBURG, Germany; Seremban, Malaysia; Dongguan, China	
934058897135	6	1	260	30 s	1	235	20 s	3	D-22529 HAMBURG, Germany; Dongguan, China; Seremban, Malaysia	
934058897115	16	1	260	30 s	1	235	20 s	3	Dongguan, China; Seremban, Malaysia; D-22529 HAMBURG, Germany	

Subpart	Material group	Substances	CAS number	Mass(mg)	Mass(%) of subpart	Mass(%) of total product
Die	Doped silicon	Silicon (Si)	7440-21-3	0.07000	100.00000	1.66728
		subTotal		0.07000	100.00000	1.66728
Die	Doped silicon	Silicon (Si)	7440-21-3	0.07000	100.00000	1.66728
		subTotal		0.07000	100.00000	1.66728
Lead Frame	Copper alloy	Copper (Cu)	7440-50-8	1.04227	94.83000	24.82522
		Iron (Fe)	7439-89-6	0.02792	2.54000	0.66494
		Lead (Pb)	7439-92-1	0.00033	0.03000	0.00785
		Misc. phosphorus compounds (generic)		0.00165	0.15000	0.03927
		Zinc (Zn)	7440-66-6	0.00220	0.20000	0.05236
	Pure metal layer	Silver (Ag)	7440-22-4	0.02473	2.25000	0.58902
		subTotal		1.09910	100.00000	26.17866
Mould Compound	Filler	Silica fused	60676-86-0	2.00220	71.00000	47.68903
	Pigment	Carbon black	1333-86-4	0.00846	0.30000	0.20150
	Polymer	Epichlorohydrin/o-Cresol/Formaldehyde polymer (generic)	29690-82-2	0.55554	19.70000	13.23203
		Phenolic resin	Proprietary	0.25380	9.00000	6.04509
		subTotal		2.82000	100.00000	67.16765
Post-Plating	Impurity	Antimony (Sb)	7440-36-0	0.00001	0.01000	0.00031
		Bismuth (Bi)	7440-69-9	0.00003	0.02000	0.00062
		Iron (Fe)	7439-89-6	0.00001	0.01000	0.00031
		Lead (Pb)	7439-92-1	0.00001	0.01000	0.00031
	Tin solder	Tin (Sn)	7440-31-5	0.12994	99.95000	3.09483
		subTotal		0.13000	100.00000	3.09638
Wire	Pure metal	Gold (Au)	7440-57-5	0.00935	100.00000	0.22270
		subTotal		0.00935	100.00000	0.22270

#### Note(s):

1) This is a generic description of the substance used as the actual composition of the substances are either considered proprietary or no official CAS number is available. If a CAS number is given, it is the closest match available.

#### Disclaimer

All information in this document is furnished for exploratory or indicative purposes only. All information in this document is believed to be accurate and reliable. However, Nexperia does not give any representations or warranties as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. Nexperia may make changes to information published in this document at any time and without notice. Minor deviations may occur in the products from different manufacturing location. This document supersedes and replaces all information supplied prior to the publication hereof. Nothing in this document may be interpreted or construed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any license under any copyrights, patents or other industrial or intellectual property rights.