Material Declaration

Statement of Materials, Construction

Part Number: SP3232EUEA-L
Package: 16 SSOP

	Component		Material			Material Weight %	
	Name	Weight (mg)	Element/Compound	CAS No.	Weight (mg)	/Total Unit	/ Component
1	Die	2.3600	Silicon	7440-21-3	2.3600	1.64	100.00
2	Die Attach	0.1152	Silver	7440-22-4	0.0818	0.06	71.00
			Epoxy resin A	9003-36-5	0.0058	0.00	5.00
			Epoxy resin B	-	0.0069	0.00	6.00
			Epoxy resin C	-	0.0069	0.00	6.00
			Acrylate	-	0.0069	0.00	6.00
			Phenolic Hardener	-	0.0058	0.00	5.00
			Dicyandiamide	461-58-5	0.0003	0.00	0.30
			Organic peroxide	-	0.0008	0.00	0.70
3	Leadframe	46.0800	Cu	7440-50-8	44.6515	31.01	96.90
			Fe	7439-89-6	0.9677	0.67	2.10
			P	7723-14-0	0.0461	0.03	0.10
			Zn	7440-66-6	0.0461	0.03	0.10
			Ag	7440-22-4	0.3686	0.26	0.80
4	Mold Compound	90.9808	Epoxy Resin	-	8.1883	5.69	9.00
			Phenol Resin	-	3.6392	2.53	4.00
			Silica (Amorphous)A	60676-86-0	71.4199	49.60	78.50
			Silica (Amorphous)B	7631-86-9	7.2785	5.05	8.00
			Carbon Black	1333-86-4	0.4549	0.32	0.50
5	Plating	4.3200	Sn	7440-31-5	4.3196	3.00	99.99
			Others	-	0.0004	0.00	0.01
6	Wire	0.1440	Copper	7440-50-8	0.1440	0.10	100.00

Total Unit Weight: 144.00

Component weight is based on homogenous material used to assemble the unit. | Composition derived from the material declaration from vendors.

RoHS Certificate of Compliance

This package is fully RoHS compliant. The table above shows that this package meets the following RoHS requirements for EACH PACKAGE COMPONENT.

☒ RoHS 2 (Recast) 2011/65/EU | Fully Compliant

☒ China RoHS | Fully Compliant

☒ RoHS-6 | Fully Compliant

☒ Non Use of PFOS & PFOA

☒ REACH | Fully Compliant

☒ Halogen-free | Green

EU RoHS Restricted Substance	Allowable Limit (at homogenous material level)
Cadmium & its compounds (Cd)	100 ppm (0.01 weight %)
Hexavalent Chromium & its compounds (Cr(VI))	1000 ppm (0.10 weight %)
Mercury & its compounds (HG)	1000 ppm (0.10 weight %)
Polybrominated biphenyls (PBB)	1000 ppm (0.10 weight %)
Polybrominated diphenyl ethers (PBDE)	1000 ppm (0.10 weight %)
Lead & its compounds (Pb)	1000 ppm (0.10 weight %)

☒ Dodd-Frank Wall Street Reform and Consumer Protection Act, July 21, 2010

We comply with this conflict metal free policy that restricts the use of those conflict metals, mining from the Democratic Republic of Congo (DRC) and it's adjoining countries. Exar will not accept product which uses these conflict metals from these areas. We require our suppliers to enforce this policy and be able to identify and verify from their sources of minerals are conflict free. Suppliers are required to report if they or any supplier through their supply chain use any of these conflict metals that are derived from certain conflict minerals originating in the DRC or an adjoining country. Exar Corporation is not aware of any conflict metals to be used in any of their products.

☒ Flammability rating of UL 94-V0

☒ MSL: L2 @ 260°C



Chiew Mee Foo, QA Manager