ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and	mposition De 05. IPC, Bannockt d Pan-American co	c <b>laration</b> ourn, Illinois. A opyright conver	All rights reserved u ntions.	nder both	This docume level parts, t	ent is a declaration he declaration er	on of the substan	ces within the ma wer level materia	nufacturer liste ls for which th	ed item. Note: ne manufacture	if the item is an as r has engineering	ssembly with low responsibility.	
[ · · · · · · · · · · · · · · · · ·	IPC Web Site for Information on IPC-1752 Standard Form Ty http://www.ipc.org/IPC-175x Distribut				<ul> <li>Declaration Class *</li> <li>Class 6 - RoHS Yes/No, Homogeneous Materi</li> </ul>				s Materials and	ials and Mfg Information			
upplier Information													
ompany name*	Company unique ID			1	Unique ID Authority				Response Date*				
nsemi									2023-06-08				
Contact Name Title - Conta			Contact ]			Phone - Contact*				Email - Contact*			
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Titl			Title - Representative			Phone - Representative*			Ema	Email - Representative*			
roduct-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Requester Item Number Mfr Item		Number Mfr Item Name			Effective Date	Version	Manufacturing Site MY1		Weight*	UOM	Unit Type	
	MC78M	MC78M18BTG ANA 500MA 18		V VREG		2023-06-08				1962.0	mg	Each	
Ianufacturing Proccess Infor	mation					•		-		- <b>·</b>			
Terminal Plating / Grid Arra	Terminal Plating / Grid Array Material Termina		Base Alloy J-STD-020 MSL		L Rating	Peak Proce	Peak Process Body Temperat		at Peak Temp	erature Num	ber of Reflow Cy	cles	
Matte Tin (Sn) - annealed		CU Alloy NA		NA		0 C		30	se	conds 3			
omments													
or more information regarding mat	erial composition	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed					
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	RoHS Definition: Quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Disobutyl phthalate (DIBP).									
cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the anty rights and/or remedies provided as part of					
RoHS Declaration * 4 - Item(	s) does not contain RoHS restricted subst	ances per the definition above except for sele	ected exempt	ions Supplier Acceptance	* Accepted					
Exemption: 7a: Lead in high melting temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore lead).							
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
Instructions: Complete all of the required Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the					
Supplier Digital Signature	astislav Drska	Le								

## Homogeneous Material Composition Declaration for Electronic Products

SubItem Instructions: The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	3.55	mg	Supplier	Silicon (Si)	7440-21-3		3.55	mg
Die Attach	82.92	mg	А	Lead (Pb)	7439-92-1	7a	78.774	mg
			Supplier	Tin (Sn)	7440-31-5		4.146	mg
Lead Frame	1299.13	mg	В	Nickel (Ni)	7440-02-0		0.6496	mg
			Supplier	Iron (Fe)	7439-89-6		1.2991	mg
			Supplier	Copper (Cu)	7440-50-8		1296.7916	mg
			Supplier	Phosphorus (P)	7723-14-0		0.3896	mg
Mold Compound-Black	543.9	mg		Phenolic Resin	proprietary data		32.634	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		54.39	mg
			Supplier	Carbon Black (C)	1333-86-4		2.7195	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		40.7925	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		413.364	mg
Plating	31.13	mg	Supplier	Tin (Sn)	7440-31-5		31.13	mg
Wire Bond - Cu	1.37	mg	Supplier	Copper (Cu)	7440-50-8		1.37	mg

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3