



Form Type	Distribute	Version	2.0	Ref	IPC 1752A	Sectionals	Manufacturing Info/ Material Info	Subsectionals	D, A
Supplier Information									
Company Name	TE Connectivity	Request Document ID		Contact Name	GUIYING WANG	Contact Title	Product compliance engineer		
Company Unique ID	TE Connectivity	Response Date	2017-12-06	Contact Email	guiying.wang@te.com				
Contact Phone Number	+8675527620888								
Legal Statement									
Supplier Acceptance	true								
Legal Statement									
The information provided in this document is based upon reasonable inquiry of our suppliers. This information is subject to change. This information does not in any way modify existing purchase specifications or existing contractual or other agreements terms between TE Connectivity (or its affiliated companies) and its customers.									
Product									
Manufacturer Item number	1721083-1	Amount	5.929	Version	-	Identity			
Manufacturer Item Name	OJ-SS-112LMHF,000	Weight Uom	g	Mfr Site		Authority			
Date		UOM	Each						
EURoHS-0508	Product(s) meets EU RoHS requirements by application of the selected exemption(s)								
ChinaRoHS-0508	Product(s) is NOT eligible for marking with the e code under China's Measures for Administration of the control of pollution by Electronic Information Products								
EUREACH-0117	REACH Candidate Substances of Very High Concern ARE NOT Contained in the Product Above the Limits per the Definition within REACH								
Complex Article Description	REACH Candidate Substances of Very High Concern according to Once an Article Always an Article are Not Yet Reviewed								
Manufacturing Information									
J-STD-020 MSL Rating		Max Total a Wave Time		Ramp Rate		Wave Additional Info			
Classification Temp		Max Wave Solder Time	10.0	Ramp Down Rate		Psi Rating Reflow			
Max Time Within 5		Psi Rating Wave		Package Designator		Size	0.0		
Time Above 217		Reflow Additional Info		Preheat Max Temp		Terminal Base Alloy	Not Applicable		
Preheat Duration		bulk Solder Termination	Not Applicable	Nbr or Reflow Cycles		Terminal Plating	Not Applicable		
Preheat Min Temp		Nbr of Instances	0	Component Temp Spike		Shape	Not Applicable		
Product Disclosure									
Sub-Item/Material/Substance	Level	Name	Substance Category	Substance CAS	Substance Concentration	Quantity	Mass per Unit	UOM	Exemption
Sub-Item	1	HCP WIRE				1.0	0.058	g	
Material	2	Intermediate electric plating				1.0	0.00812	g	
Substance	3	Copper	Supplier	7440-50-8	100.0	1.0	0.00812	g	
Material	2	Surface coating				1.0	0.00232	g	
Substance	3	Tin	Supplier	7440-31-5	100.0	1.0	0.00232	g	
Material	2	Core Wire				1.0	0.04756	g	
Substance	3	Iron	Supplier	7439-89-6	100.0	1.0	0.04756	g	
Sub-Item	1	YOKE				1.0	1.077	g	
Material	2	YOKE_Base mate				1.0	1.069	g	
Substance	3	Iron	Supplier	7439-89-6	100.0	1.0	1.069	g	
Material	2	YOKE_Cu plating				1.0	0.0020	g	
Substance	3	Copper	Supplier	7440-50-8	100.0	1.0	0.0020	g	
Material	2	YOKE_Ni plating				1.0	0.0060	g	
Substance	3	Nickel	Nickel	7440-02-0	100.0	1.0	0.0060	g	
Sub-Item	1	CORE				1.0	0.65	g	
Material	2	DT4C elektra fero				1.0	0.63	g	
Substance	3	Phosphorus	Supplier	7723-14-0	0.0070	1.0	4.41E-5	g	
Substance	3	Aluminum	Supplier	7429-90-5	0.4	1.0	0.00252	g	

Substance	3	Iron	Supplier	7439-89-6	99.367	1.0	0.6260121	g	
Substance	3	Manganese	Supplier	7439-96-5	0.15	1.0	9.45E-4	g	
Substance	3	Silicon	Supplier	7440-21-3	0.03	1.0	1.89E-4	g	
Substance	3	Carbon	Supplier	7440-44-0	0.0020	1.0	1.26E-5	g	
Substance	3	Sulfur	Supplier	7704-34-9	0.0040	1.0	2.52E-5	g	
Substance	3	Copper	Supplier	7440-50-8	0.01	1.0	6.3E-5	g	
Substance	3	Chromium	Supplier	7440-47-3	0.02	1.0	1.26E-4	g	
Substance	3	Nickel	Nickel	7440-02-0	0.01	1.0	6.3E-5	g	
Material	2	Plating				1.0	0.02	g	
Substance	3	Butanedioic acid, 2,3-dihydroxy-(2R,3R)-, potassium sodium salt, hydrate (1:1:1:4)	Supplier	6381-59-5	0.013	1.0	2.6E-6	g	
Substance	3	Sulfuric acid, nickel(2+) salt (1:1)	Supplier	7786-81-4	0.24	1.0	4.8E-5	g	
Substance	3	Copper	Supplier	7440-50-8	10.67	1.0	0.002134	g	
Substance	3	Nickel-dichloride	Supplier	7718-54-9	0.05	1.0	1.0E-5	g	
Substance	3	sodium hydroxide	Supplier	1310-73-2	0.02	1.0	4.0E-6	g	
Substance	3	Copper-cyanide	Supplier	544-92-3	0.045	1.0	9.0E-6	g	
Substance	3	Nickel	Nickel	7440-02-0	88.962	1.0	0.0177924	g	
Sub-Item	1	CASE				1.0	0.9	g	
Material	2	PBT-GF30				1.0	0.9	g	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	3.5	1.0	0.0315	g	
Substance	3	Phenol, 4,4-(1-methylethylidene)bis[2,6-dibromo-, polymer with 2,2-[(1-methylethylidene)bis[(2,6-dibromo-4,1-phenylene)oxy methylene]]bis[oxirane]	Supplier	68928-70-1	12.0	1.0	0.108	g	
Substance	3	1,4-Benzenedicarboxylic acid, polymer with 1,4-butanediol	Supplier	26062-94-2	54.5	1.0	0.4905	g	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	30.0	1.0	0.27	g	
Sub-Item	1	CARD				1.0	0.126	g	
Material	2	Polyphenylene Sulfide				1.0	0.126	g	
Substance	3	Carbonic acid calcium salt (1:1)	Supplier	471-34-1	20.0	1.0	0.0252	g	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	45.0	1.0	0.0567	g	
Substance	3	Benzene, 1,4-dichloro-, polymer with sodium sulfide (Na2S)	Supplier	26125-40-6	35.0	1.0	0.0441	g	
Sub-Item	1	BASE				1.0	0.5	g	
Material	2	PBT-GF30				1.0	0.5	g	
Substance	3	Carbon black	Supplier	1333-86-4	0.5	1.0	0.0025	g	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	3.5	1.0	0.0175	g	
Substance	3	Phenol, 4,4-(1-methylethylidene)bis[2,6-dibromo-, polymer with 2,2-[(1-methylethylidene)bis[(2,6-dibromo-4,1-phenylene)oxy methylene]]bis[oxirane]	Supplier	68928-70-1	12.0	1.0	0.06	g	
Substance	3	1,4-Benzenedicarboxylic acid, polymer with 1,4-butanediol	Supplier	26062-94-2	54.0	1.0	0.27	g	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	30.0	1.0	0.15	g	

Sub-Item	1	MOV. CONTACT&TER ASSY				1.0	0.1527	g	
Material	2	Contact - AgCdo				1.0	0.0447	g	
Substance	3	Copper	Supplier	7440-50-8	60.4	1.0	0.0269988	g	
Substance	3	Silver	Supplier	7440-22-4	34.85	1.0	0.01557795	g	
Substance	3	Cadmium oxide (CdO)	Cadmium/Cadmium Compounds	1306-19-0	4.75	1.0	0.00212325	g	8(b) Cadmium and its compounds electrical contacts
Material	2	Copper Alloy				1.0	0.108	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.015	1.0	1.62E-5	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	1.08E-4	g	
Substance	3	Zinc	Supplier	7440-66-6	1.5	1.0	0.00162	g	
Substance	3	Copper	Supplier	7440-50-8	93.9335	1.0	0.10144818	g	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	2.16E-5	g	
Substance	3	Silicon	Supplier	7440-21-3	0.8	1.0	8.64E-4	g	
Substance	3	Tin	Supplier	7440-31-5	0.8	1.0	8.64E-4	g	
Substance	3	Chromium	Supplier	7440-47-3	0.01	1.0	1.08E-5	g	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	1.08E-5	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	1.08E-6	g	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	5.4E-7	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	1.08E-5	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	1.08E-4	g	
Substance	3	Nickel	Nickel	7440-02-0	2.7	1.0	0.002916	g	
Sub-Item	1	STAT. CONT&TER. ASSY				1.0	0.1527	g	
Material	2	Contact - AgCdo				1.0	0.0447	g	
Substance	3	Copper	Supplier	7440-50-8	60.4	1.0	0.0269988	g	
Substance	3	Silver	Supplier	7440-22-4	34.85	1.0	0.01557795	g	
Substance	3	Cadmium oxide (CdO)	Cadmium/Cadmium Compounds	1306-19-0	4.75	1.0	0.00212325	g	8(b) Cadmium and its compounds electrical contacts
Material	2	Copper Alloy				1.0	0.108	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.015	1.0	1.62E-5	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	1.08E-4	g	
Substance	3	Zinc	Supplier	7440-66-6	1.5	1.0	0.00162	g	
Substance	3	Copper	Supplier	7440-50-8	93.9335	1.0	0.10144818	g	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	2.16E-5	g	
Substance	3	Silicon	Supplier	7440-21-3	0.8	1.0	8.64E-4	g	
Substance	3	Tin	Supplier	7440-31-5	0.8	1.0	8.64E-4	g	
Substance	3	Chromium	Supplier	7440-47-3	0.01	1.0	1.08E-5	g	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	1.08E-5	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	1.08E-6	g	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	5.4E-7	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	1.08E-5	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	1.08E-4	g	
Substance	3	Nickel	Nickel	7440-02-0	2.7	1.0	0.002916	g	
Sub-Item	1	Solder Rectangular				1.0	0.0139	g	
Material	2	Lead-free Solder Bar				1.0	0.0139	g	
Substance	3	Tin	Supplier	7440-31-5	99.3	1.0	0.0138027	g	
Substance	3	Copper	Supplier	7440-50-8	0.7	1.0	9.73E-5	g	
Sub-Item	1	Solder Round				1.0	0.0388	g	
Material	2	Lead-free Solid Solder Wire				1.0	0.0388	g	
Substance	3	Tin	Supplier	7440-31-5	99.3	1.0	0.0385284	g	
Substance	3	Copper	Supplier	7440-50-8	0.7	1.0	2.716E-4	g	
Sub-Item	1	HINGE				1.0	0.052	g	
Material	2	Phos Bronze				1.0	0.052	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	5.2E-5	g	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	5.2E-6	g	
Substance	3	Zinc	Supplier	7440-66-6	0.2	1.0	1.04E-4	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.0050	1.0	2.6E-6	g	

Substance	3	Copper	Supplier	7440-50-8	90.0485	1.0	0.04682522	g	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	1.04E-5	g	
Substance	3	Phosphorus	Supplier	7723-14-0	0.35	1.0	1.82E-4	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	5.2E-7	g	
Substance	3	Iron	Supplier	7439-89-6	0.1	1.0	5.2E-5	g	
Substance	3	Chromium	Supplier	7440-47-3	0.01	1.0	5.2E-6	g	
Substance	3	Tin	Supplier	7440-31-5	9.0	1.0	0.00468	g	
Substance	3	Nickel	Nickel	7440-02-0	0.1	1.0	5.2E-5	g	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	2.6E-7	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	2.6E-6	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	2.6E-5	g	
Sub-Item	1	MAGNET WIRE				1.0	1.476	g	
Material	2	MAGNET WIRE				1.0	1.476	g	
Substance	3	Copper	Supplier	7440-50-8	96.5	1.0	1.42434	g	
Substance	3	Polyurethane - ISO 1043-1 Term PUR	Supplier	1043-1-PUR	3.5	1.0	0.05166	g	
Sub-Item	1	Adhesive and Sealants				1.0	0.051	g	
Material	2	Epoxy Sealant				1.0	0.051	g	
Substance	3	Guanidine, N-cyano-	Supplier	461-58-5	5.0	1.0	0.00255	g	
Substance	3	Phenol, 4,4-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane	Supplier	25068-38-6	43.5	1.0	0.022185	g	
Substance	3	Limestone	Supplier	1317-65-3	43.5	1.0	0.022185	g	
Substance	3	Oxirane, ((4-(1,1-dimethylethyl)phenoxy)methyl)	Supplier	3101-60-8	8.0	1.0	0.00408	g	
Sub-Item	1	BOBBIN				1.0	0.234	g	
Material	2	PBT-GF30 FR(17)				1.0	0.234	g	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	30.0	1.0	0.0702	g	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	1.0	1.0	0.00234	g	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	7.0	1.0	0.01638	g	
Substance	3	1,4-Benzenedicarboxylic acid, polymer with 1,4-butanediol	Supplier	26062-94-2	47.0	1.0	0.10998	g	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	15.0	1.0	0.0351	g	
Sub-Item	1	ARMATURE				1.0	0.4469	g	
Material	2	Nickel Plate				1.0	3.5E-4	g	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	7.0E-7	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	3.5E-7	g	
Substance	3	Nickel	Nickel	7440-02-0	99.7	1.0	3.4895E-4	g	
Material	2	Iron				1.0	0.446	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	4.46E-4	g	
Substance	3	Aluminum	Supplier	7429-90-5	0.1	1.0	4.46E-4	g	
Substance	3	Titanium	Supplier	7440-32-6	0.1	1.0	4.46E-4	g	
Substance	3	Carbon	Supplier	7440-44-0	0.02	1.0	8.92E-5	g	
Substance	3	Manganese	Supplier	7439-96-5	0.35	1.0	0.001561	g	
Substance	3	Silicon	Supplier	7440-21-3	0.15	1.0	6.69E-4	g	
Substance	3	Phosphorus	Supplier	7723-14-0	0.03	1.0	1.338E-4	g	
Substance	3	Vanadium	Supplier	7440-62-2	0.1	1.0	4.46E-4	g	
Substance	3	Sulfur	Supplier	7704-34-9	0.025	1.0	1.115E-4	g	
Substance	3	Chromium	Supplier	7440-47-3	0.2	1.0	8.92E-4	g	
Substance	3	Iron	Supplier	7439-89-6	98.5438	1.0	0.43950535	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	4.46E-6	g	

Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	4.46E-5	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.0099	1.0	4.4154E-5	g	
Substance	3	Nickel	Nickel	7440-02-0	0.15	1.0	6.69E-4	g	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	2.23E-6	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0099	1.0	4.4154E-5	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.0999	1.0	4.4555E-4	g	
Material	2	Copper Plate				1.0	5.5E-4	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	5.5E-7	g	
Substance	3	Copper	Supplier	7440-50-8	99.9	1.0	5.4945E-4	g	