



Form Type	Distribute	Version	2.0	Ref	IPC 1752A	Sectionals	Manufacturing Info/ Material Info	Sectionals	D, A
Supplier Information									
Company Name	TE Connectivity	Request Document ID		Contact Name	CC WU	Contact Title	Product Compliance Engineer		
Company Unique ID	TE Connectivity	Response Date	2014-12-28	Contact Email	cc.wu@tycoelectronics.com				
Contact Phone Number	021-33259321								
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	3-1393240-3	Amount	13.005852	Version	-	Identity			
Manufacturer Item Name		Weight Uom	g	Mfr Site		Authority			
Date		UOM	Each						
EURoHS-0508	Product(s) meets EU RoHS requirement without any exemptions - true								
ChinaRoHS-0508	Product(s) is eligible for marking with the e code under China's Measures for Administration of the control of pollution by Electronic Information Products - true								
EUREACH-1213	Product(s) does not contain REACH Substances Of Very High Concern above the limits per the definition within REACH - Not Available / Not 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	NAC		
Preheat Duration		bulk Solder Termination	NAC	Nbr or Reflow Cycles		Terminal Plating	NAC		
Preheat Min Temp		Nbr of Instances	0	Component Temp Spike		Shape	NAC		
Product Disclosure									
Sub-Item/Material/Substance	Level	Name	Substance Category	Substance CAS	Substance Concentration	Quantity	Mass per Unit	UOM	Exemption
Sub-Item	1	2022549-2				1.0	0.18013	g	
Material	2	E-Cu 58				1.0	0.1134819	g	
Substance	3	Copper	Supplier	7440-50-8	100.0	1.0	0.1134819	g	
Material	2	AgSnO211M2 X-1				1.0	0.0666481	g	
Substance	3	Silver	Supplier	7440-22-4	92.0	1.0	0.06131625	g	
Substance	3	Indium oxide (In2O3)	Supplier	1312-43-2	4.0	1.0	0.00266592	g	
Substance	3	Tin oxide (SnO2)	Supplier	18282-10-5	4.0	1.0	0.00266592	g	
Sub-Item	1	1936810-1				1.0	1.131122	g	
Material	2	Polyester Compound				1.0	1.131122	g	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	12.5	1.0	0.14139025	g	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	11.0	1.0	0.12442342	g	
Substance	3	Carbonic dichloride, polymer with 4,4-(1-methylethylidene)bis[phenol]	Supplier	25971-63-5	60.5	1.0	0.68432881	g	
Substance	3	Unspecified ROHS Compliant Substance	Supplier	Unspecified Compliant Substance	16.0	1.0	0.18097952	g	
Sub-Item	1	2022549-1				1.0	0.14	g	
Material	2	E-Cu 58				1.0	0.077	g	
Substance	3	Copper	Supplier	7440-50-8	100.0	1.0	0.077	g	

Material	2	AgSnO211M2 X-1				1.0	0.063	g	
Substance	3	Silver	Supplier	7440-22-4	92.0	1.0	0.05796	g	
Substance	3	Indium oxide (In2O3)	Supplier	1312-43-2	4.0	1.0	0.00252	g	
Substance	3	Tin oxide (SnO2)	Supplier	18282-10-5	4.0	1.0	0.00252	g	
Sub-Item	1	1936812-2				1.0	0.219	g	
Material	2	PBT-GF30 FR (17)				1.0	0.219	g	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	13.0	1.0	0.02847	g	
Substance	3	1,4-Benzenedicarboxylic acid, polymer with 1,4-butanediol	Supplier	26062-94-2	51.7	1.0	0.113223	g	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0909	0.3	1.0	6.57E-4	g	
Substance	3	Fluorine	Supplier	7782-41-4	1.0	1.0	0.00219	g	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	30.0	1.0	0.0657	g	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	4.0	1.0	0.00876	g	
Sub-Item	1	1-1936827-4				1.0	0.359	g	
Material	2	Copper				1.0	0.236	g	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	1.18E-4	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	2.36E-4	g	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	2.36E-6	g	
Substance	3	Copper	Supplier	7440-50-8	99.6975	1.0	0.2352861	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	2.36E-6	g	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	2.36E-5	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	2.36E-5	g	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	4.72E-5	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	2.36E-4	g	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	1.18E-6	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	2.36E-5	g	
Material	2	Copper Alloy				1.0	0.123	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	6.15E-5	g	
Substance	3	Zinc	Supplier	7440-66-6	1.0	1.0	0.00123	g	
Substance	3	Silicon	Supplier	7440-21-3	1.2	1.0	0.001476	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	1.23E-4	g	
Substance	3	Copper	Supplier	7440-50-8	92.7635	1.0	0.1140991	g	
Substance	3	Chromium	Supplier	7440-47-3	0.06	1.0	7.38E-5	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	1.23E-6	g	
Substance	3	Magnesium	Supplier	7439-95-4	0.3	1.0	3.69E-4	g	
Substance	3	Manganese	Supplier	7439-96-5	0.1	1.0	1.23E-4	g	
Substance	3	Iron	Supplier	7439-89-6	0.2	1.0	2.46E-4	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	1.23E-5	g	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	1.23E-5	g	
Substance	3	Nickel	Nickel	7440-02-0	4.2	1.0	0.005166	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	6.15E-6	g	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	6.15E-7	g	
Sub-Item	1	1915650-1				1.0	0.139	g	
Material	2	ADHESIVE				1.0	0.139	g	
Substance	3	C.I. Pigment Yellow 42	Supplier	51274-00-1	0.2	1.0	2.78E-4	g	
Substance	3	Siloxanes and Silicones, di-Me, reaction products with silica	Supplier	67762-90-7	1.3	1.0	0.001807	g	
Substance	3	Oxirane, 2-[[[3-(trimethoxysilyl)propoxy]methyl]-	Supplier	2530-83-8	0.2	1.0	2.78E-4	g	

Substance	3	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	Supplier	30499-70-8	7.0	1.0	0.00973	g	
Substance	3	Phenol, polymer with formaldehyde, glycidyl ether	Supplier	28064-14-4	6.0	1.0	0.00834	g	
Substance	3	Ajicure PN 23	Supplier	134091-76-2	13.9	1.0	0.019321	g	
Substance	3	Phenol, 4,4-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane	Supplier	25068-38-6	59.4	1.0	0.082566	g	
Substance	3	Limestone	Supplier	1317-65-3	12.0	1.0	0.01668	g	
Sub-Item	1	2022859-1				1.0	0.487	g	
Material	2	Copper				1.0	0.487	g	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	2.435E-4	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	4.87E-4	g	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	4.87E-6	g	
Substance	3	Copper	Supplier	7440-50-8	99.6975	1.0	0.48552682	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	4.87E-6	g	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	4.87E-5	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	4.87E-5	g	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	9.74E-5	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	4.87E-4	g	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	2.435E-6	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	4.87E-5	g	
Sub-Item	1	1936825-9				1.0	8.1266	g	
Material	2	Nickel Plate				1.0	0.0253	g	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	5.06E-5	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	2.53E-5	g	
Substance	3	Nickel	Nickel	7440-02-0	99.7	1.0	0.0252241	g	
Material	2	100-2220				1.0	4.756	g	
Substance	3	Vanadium	Supplier	7440-62-2	0.0070	1.0	3.3292E-4	g	
Substance	3	Silicon	Supplier	7440-21-3	0.15	1.0	0.007134	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	4.756E-4	g	
Substance	3	Titanium	Supplier	7440-32-6	0.0070	1.0	3.3292E-4	g	
Substance	3	Manganese	Supplier	7439-96-5	0.36	1.0	0.0171216	g	
Substance	3	Aluminum	Supplier	7429-90-5	0.09	1.0	0.0042804	g	
Substance	3	Phosphorus	Supplier	7723-14-0	0.022	1.0	0.00104632	g	
Substance	3	Copper	Supplier	7440-50-8	0.08	1.0	0.0038048	g	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	4.756E-4	g	
Substance	3	Carbon	Supplier	7440-44-0	0.01	1.0	4.756E-4	g	
Substance	3	Chromium	Supplier	7440-47-3	0.06	1.0	0.0028536	g	
Substance	3	Iron	Supplier	7439-89-6	98.8885	1.0	4.70313706	g	
Substance	3	Sulfur	Supplier	7704-34-9	0.022	1.0	0.00104632	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.004756	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	4.756E-5	g	
Substance	3	Nitrogen	Supplier	7727-37-9	0.0070	1.0	3.3292E-4	g	
Substance	3	Nickel	Nickel	7440-02-0	0.07	1.0	0.0033292	g	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	2.378E-5	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.004756	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	2.378E-4	g	
Material	2	VESTODUR X7212 NATURAL, A				1.0	0.297	g	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	6.0	1.0	0.01782	g	
Substance	3	1,4-Benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol	Supplier	30965-26-5	41.0	1.0	0.12177	g	

Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	8.0	1.0	0.02376	g	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	45.0	1.0	0.13365	g	
Material	2	Beryllium Copper				1.0	0.0116	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	1.16E-6	g	
Substance	3	Copper	Supplier	7440-50-8	96.9485	1.0	0.01124603	g	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	2.32E-6	g	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	1.16E-6	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.6	1.0	6.96E-5	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	1.16E-6	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	1.16E-5	g	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	1.16E-7	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	1.16E-5	g	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	5.8E-8	g	
Substance	3	Nickel	Nickel	7440-02-0	2.2	1.0	2.552E-4	g	
Material	2	Phos Bronze				1.0	0.032	g	
Substance	3	Phosphorus	Supplier	7723-14-0	0.35	1.0	1.12E-4	g	
Substance	3	Iron	Supplier	7439-89-6	0.1	1.0	3.2E-5	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.015	1.0	4.8E-6	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	3.2E-5	g	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	6.4E-6	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	3.2E-7	g	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	3.2E-6	g	
Substance	3	Tin	Supplier	7440-31-5	7.0	1.0	0.00224	g	
Substance	3	Zinc	Supplier	7440-66-6	0.3	1.0	9.6E-5	g	
Substance	3	Chromium	Supplier	7440-47-3	0.01	1.0	3.2E-6	g	
Substance	3	Copper	Supplier	7440-50-8	91.9385	1.0	0.02942032	g	
Substance	3	Nickel	Nickel	7440-02-0	0.1	1.0	3.2E-5	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	1.6E-5	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	1.6E-6	g	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	1.6E-7	g	
Material	2	Copper Plate				1.0	0.0447	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	4.47E-5	g	
Substance	3	Copper	Supplier	7440-50-8	99.9	1.0	0.0446553	g	
Material	2	Copper				1.0	2.96	g	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	2.96E-4	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	2.96E-5	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	2.96E-4	g	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	5.92E-4	g	
Substance	3	Copper	Supplier	7440-50-8	99.6975	1.0	2.951046	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.00296	g	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	2.96E-5	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	2.96E-4	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.00296	g	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	0.00148	g	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	1.48E-5	g	
Sub-Item	1	1936826-4				1.0	0.524	g	
Material	2	Copper				1.0	0.524	g	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	2.62E-4	g	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	5.24E-4	g	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	5.24E-6	g	
Substance	3	Copper	Supplier	7440-50-8	99.6975	1.0	0.5224149	g	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	5.24E-6	g	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	5.24E-5	g	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	5.24E-5	g	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	1.048E-4	g	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	5.24E-4	g	

Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	2.62E-6	g	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	5.24E-5	g	
Sub-Item	1	1936811-4				1.0	1.7	g	
Material	2	VESTODUR X7212 NATURAL, A				1.0	1.7	g	
Substance	3	Antimony oxide (Sb ₂ O ₃)	Supplier	1309-64-4	6.0	1.0	0.102	g	
Substance	3	1,4-Benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol	Supplier	30965-26-5	41.0	1.0	0.697	g	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	8.0	1.0	0.136	g	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	45.0	1.0	0.765	g	