



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	Penica, John R	Contact Title	Mgr Environmental Engineering		
Company Unique ID	-	Response Date	2014-08-13	Contact Email	jrpenica@te.com				
Contact Phone Number	+1-717-592-326								
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	6646871-1	Amount	62689.90184827	Version	-	Identity			
Manufacturer Item Name		Weight Uom	mg	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	1766137-1				2.0	847.891	mg	
Material	2	Beryllium Copper				2.0	60.0	mg	
Substance	3	Beryllium	Supplier	7440-41-7	2.0	2.0	1.2	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	2.0	0.0060	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	2.0	0.012	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.2	2.0	0.12	mg	
Substance	3	Silicon	Supplier	7440-21-3	0.2	2.0	0.12	mg	
Substance	3	Iron	Supplier	7439-89-6	0.4	2.0	0.24	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	2.0	0.0060	mg	
Substance	3	Aluminum	Supplier	7429-90-5	0.2	2.0	0.12	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	2.0	6.0E-4	mg	
Substance	3	Copper	Supplier	7440-50-8	96.649	2.0	57.9894	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	2.0	0.06	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.2	2.0	0.12	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	2.0	0.0030	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	2.0	3.0E-4	mg	
Material	2	Nickel Plate				2.0	15.755	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	2.0	0.03151	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	2.0	0.015755	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	2.0	15.70773	mg	

Material	2	Phos Bronze				2.0	770.0	mg	
Substance	3	Copper	Supplier	7440-50-8	93.1335	2.0	717.12795	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	2.0	0.154	mg	
Substance	3	Zinc	Supplier	7440-66-6	0.3	2.0	2.31	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.01	2.0	0.077	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.35	2.0	2.695	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.015	2.0	0.1155	mg	
Substance	3	Iron	Supplier	7439-89-6	0.1	2.0	0.77	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	2.0	0.0077	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	2.0	0.77	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	2.0	0.077	mg	
Substance	3	Tin	Supplier	7440-31-5	5.8	2.0	44.66	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	2.0	0.00385	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	2.0	0.077	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	2.0	0.385	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.1	2.0	0.77	mg	
Material	2	Tin Plate				2.0	2.018	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.0999	2.0	0.00201598	mg	
Substance	3	Tin	Supplier	7440-31-5	99.9001	2.0	2.01598	mg	
Material	2	Gold Plate				2.0	0.118	mg	
Substance	3	Gold	Supplier	7440-57-5	99.7	2.0	0.11765	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0909	0.3	2.0	3.54E-4	mg	
Sub-Item	1	1766131-1				10.0	4437.289115	mg	
Material	2	Beryllium Copper				10.0	74.2	mg	
Substance	3	Beryllium	Supplier	7440-41-7	2.0	10.0	1.484	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	10.0	0.00742	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	10.0	0.01484	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.2	10.0	0.1484	mg	
Substance	3	Silicon	Supplier	7440-21-3	0.2	10.0	0.1484	mg	
Substance	3	Iron	Supplier	7439-89-6	0.4	10.0	0.2968	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	10.0	0.00742	mg	
Substance	3	Aluminum	Supplier	7429-90-5	0.2	10.0	0.1484	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	10.0	7.42E-4	mg	
Substance	3	Copper	Supplier	7440-50-8	96.649	10.0	71.71356	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	10.0	0.0742	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.2	10.0	0.1484	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	10.0	0.00371	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	10.0	3.71E-4	mg	
Material	2	Nickel Plate				10.0	34.963257	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	10.0	0.06992651	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	10.0	0.03496326	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	10.0	34.85837	mg	
Material	2	Phos Bronze				10.0	4286.574917	mg	
Substance	3	Copper	Supplier	7440-50-8	93.1335	10.0	3992.23725	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	10.0	0.85731	mg	
Substance	3	Zinc	Supplier	7440-66-6	0.3	10.0	12.85972	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.01	10.0	0.42866	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.35	10.0	15.00301	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.015	10.0	0.64299	mg	
Substance	3	Iron	Supplier	7439-89-6	0.1	10.0	4.28657	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	10.0	0.04286575	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	10.0	4.28657	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	10.0	0.42866	mg	
Substance	3	Tin	Supplier	7440-31-5	5.8	10.0	248.62135	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	10.0	0.02143287	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	10.0	0.42866	mg	

Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	10.0	2.14329	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.1	10.0	4.28657	mg	
Material	2	Tin Plate				10.0	41.270941	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.0999	10.0	0.04122967	mg	
Substance	3	Tin	Supplier	7440-31-5	99.9001	10.0	41.22971	mg	
Material	2	Gold Plate				10.0	0.28	mg	
Substance	3	Gold	Supplier	7440-57-5	99.7	10.0	0.27916	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0909	0.3	10.0	8.4E-4	mg	
Sub-Item	1	1650299-1				4.0	1157.52373	mg	
Material	2	Nickel Plate				4.0	7.30043	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	4.0	0.01460086	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	4.0	0.00730043	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	4.0	7.27853	mg	
Material	2	Copper				4.0	1150.0	mg	
Substance	3	Copper	Supplier	7440-50-8	99.4375	4.0	1143.53125	mg	
Substance	3	Silver	Supplier	7440-22-4	0.1	4.0	1.15	mg	
Substance	3	Iron	Supplier	7439-89-6	0.05	4.0	0.575	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.05	4.0	0.575	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	4.0	0.0115	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	4.0	0.0115	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	4.0	0.115	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	4.0	0.23	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	4.0	0.115	mg	
Substance	3	Magnesium	Supplier	7439-95-4	0.13	4.0	1.495	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.08	4.0	0.92	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	4.0	0.00575	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	4.0	0.115	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.05	4.0	0.575	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	4.0	0.575	mg	
Material	2	Gold Plate				4.0	0.2233	mg	
Substance	3	Gold	Supplier	7440-57-5	99.7	4.0	0.22263	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0909	0.3	4.0	6.699E-4	mg	
Sub-Item	1	1650299-2				1.0	1267.6395	mg	
Material	2	Nickel Plate				1.0	7.405	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	0.01481	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.007405	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	1.0	7.38279	mg	
Material	2	Copper				1.0	1260.0	mg	
Substance	3	Copper	Supplier	7440-50-8	99.4375	1.0	1252.9125	mg	
Substance	3	Silver	Supplier	7440-22-4	0.1	1.0	1.26	mg	
Substance	3	Iron	Supplier	7439-89-6	0.05	1.0	0.63	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.05	1.0	0.63	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.0126	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	0.0126	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.126	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	0.252	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.126	mg	
Substance	3	Magnesium	Supplier	7439-95-4	0.13	1.0	1.638	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.08	1.0	1.008	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	0.0063	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	0.126	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	0.63	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	0.63	mg	
Material	2	Gold Plate				1.0	0.2345	mg	

Substance	3	Gold	Supplier	7440-57-5	99.7	1.0	0.2338	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0909	0.3	1.0	7.035E-4	mg	
Sub-Item	1	1648758-1				6.0	1300.0	mg	
Material	2	PPA-GF33				6.0	1300.0	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0506	1.5	6.0	19.5	mg	
Substance	3	Antimonate (SbO31-), sodium (1:1)	Supplier	15432-85-6	4.0	6.0	52.0	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	33.0	6.0	429.0	mg	
Substance	3	Carbon black	Supplier	1333-86-4	1.0	6.0	13.0	mg	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	23.0	6.0	299.0	mg	
Substance	3	1,3-Benzenedicarb oxylic acid, polymer with 1,4-benzenedicarb oxylic acid, 1,6-hexanediamine and hexanedioic acid	Supplier	27135-32-6	37.5	6.0	487.5	mg	
Sub-Item	1	1648764-1				1.0	2480.0	mg	
Material	2	PPA-GF33				1.0	2480.0	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0506	1.5	1.0	37.2	mg	
Substance	3	Antimonate (SbO31-), sodium (1:1)	Supplier	15432-85-6	4.0	1.0	99.2	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	33.0	1.0	818.4	mg	
Substance	3	Carbon black	Supplier	1333-86-4	1.0	1.0	24.8	mg	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	23.0	1.0	570.4	mg	
Substance	3	1,3-Benzenedicarb oxylic acid, polymer with 1,4-benzenedicarb oxylic acid, 1,6-hexanediamine and hexanedioic acid	Supplier	27135-32-6	37.5	1.0	930.0	mg	
Sub-Item	1	1766130-1				2.0	221.74713913	mg	
Material	2	Beryllium Copper				2.0	74.2	mg	
Substance	3	Beryllium	Supplier	7440-41-7	2.0	2.0	1.484	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	2.0	0.00742	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	2.0	0.01484	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.2	2.0	0.1484	mg	
Substance	3	Silicon	Supplier	7440-21-3	0.2	2.0	0.1484	mg	
Substance	3	Iron	Supplier	7439-89-6	0.4	2.0	0.2968	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	2.0	0.00742	mg	
Substance	3	Aluminum	Supplier	7429-90-5	0.2	2.0	0.1484	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	2.0	7.42E-4	mg	
Substance	3	Copper	Supplier	7440-50-8	96.649	2.0	71.71356	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	2.0	0.0742	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.2	2.0	0.1484	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	2.0	0.00371	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	2.0	3.71E-4	mg	
Material	2	Nickel Plate				2.0	14.28828335	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	2.0	0.02857657	mg	

Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	2.0	0.01428828	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	2.0	14.24542	mg	
Material	2	Phos Bronze				2.0	117.05236127	mg	
Substance	3	Copper	Supplier	7440-50-8	93.1335	2.0	109.01496	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	2.0	0.02341047	mg	
Substance	3	Zinc	Supplier	7440-66-6	0.3	2.0	0.35116	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.01	2.0	0.01170524	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.35	2.0	0.40968	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.015	2.0	0.01755785	mg	
Substance	3	Iron	Supplier	7439-89-6	0.1	2.0	0.11705	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	2.0	0.00117052	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	2.0	0.11705	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	2.0	0.01170524	mg	
Substance	3	Tin	Supplier	7440-31-5	5.8	2.0	6.78904	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	2.0	5.8526E-4	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	2.0	0.01170524	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	2.0	0.05852618	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.1	2.0	0.11705	mg	
Material	2	Tin Plate				2.0	15.92649451	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.0999	2.0	0.01591057	mg	
Substance	3	Tin	Supplier	7440-31-5	99.9001	2.0	15.91058	mg	
Material	2	Gold Plate				2.0	0.28	mg	
Substance	3	Gold	Supplier	7440-57-5	99.7	2.0	0.27916	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0909	0.3	2.0	8.4E-4	mg	