



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	Penica, John R	Contact Title	Mgr Environmental Engineering		
Company Unique ID	-	Response Date	2014-07-30	Contact Email	jrpenica@te.com				
Contact Phone Number	+1-717-592-3266								
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	3-1393240-5	Amount	12855.722	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	1936826-4				1.0	524.0	mg	
Material	2	Copper				1.0	524.0	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	0.262	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.524	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	0.00524	mg	
Substance	3	Copper	Supplier	7440-50-8	99.6975	1.0	522.4149	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.00524	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.0524	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.0524	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	0.1048	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.524	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	0.00262	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	0.0524	mg	
Sub-Item	1	1-1936825-6				1.0	7976.6	mg	
Material	2	Nickel Plate				1.0	25.3	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	0.0506	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.0253	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	1.0	25.2241	mg	
Material	2	Copper Plate				1.0	44.7	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.0447	mg	

Substance	3	Copper	Supplier	7440-50-8	99.9	1.0	44.6553	mg	
Material	2	Beryllium Copper				1.0	11.6	mg	
Substance	3	Cadmium	Cadmium/Cad mium Compounds	7440-43-9	0.01	1.0	0.00116	mg	
Substance	3	Copper	Supplier	7440-50-8	96.9485	1.0	11.24603	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	0.00232	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.00116	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.6	1.0	0.0696	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.00116	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.0116	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	1.16E-4	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.0116	mg	
Substance	3	Mercury	Mercury/Mercu ry Compounds	7439-97-6	5.0E-4	1.0	5.8E-5	mg	
Substance	3	Nickel	Nickel	7440-02-0	2.2	1.0	0.2552	mg	
Material	2	100-2220				1.0	4756.0	mg	
Substance	3	Vanadium	Supplier	7440-62-2	0.0070	1.0	0.33292	mg	
Substance	3	Silicon	Supplier	7440-21-3	0.15	1.0	7.134	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.4756	mg	
Substance	3	Titanium	Supplier	7440-32-6	0.0070	1.0	0.33292	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.36	1.0	17.1216	mg	
Substance	3	Aluminum	Supplier	7429-90-5	0.09	1.0	4.2804	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.022	1.0	1.04632	mg	
Substance	3	Copper	Supplier	7440-50-8	0.08	1.0	3.8048	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.4756	mg	
Substance	3	Carbon	Supplier	7440-44-0	0.01	1.0	0.4756	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.06	1.0	2.8536	mg	
Substance	3	Iron	Supplier	7439-89-6	98.8885	1.0	4703.13706	mg	
Substance	3	Sulfur	Supplier	7704-34-9	0.022	1.0	1.04632	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	4.756	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.04756	mg	
Substance	3	Nitrogen	Supplier	7727-37-9	0.0070	1.0	0.33292	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.07	1.0	3.3292	mg	
Substance	3	Mercury	Mercury/Mercu ry Compounds	7439-97-6	5.0E-4	1.0	0.02378	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	4.756	mg	
Substance	3	Cadmium	Cadmium/Cad mium Compounds	7440-43-9	0.0050	1.0	0.2378	mg	
Material	2	VESTODUR X7212 NATURAL, A				1.0	297.0	mg	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	6.0	1.0	17.82	mg	
Substance	3	1,4- Benzenedicarb oxylic acid, 1,4- dimethyl ester, polymer with 1,4-butanediol	Supplier	30965-26-5	41.0	1.0	121.77	mg	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	8.0	1.0	23.76	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	45.0	1.0	133.65	mg	
Material	2	Phos Bronze				1.0	32.0	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.35	1.0	0.112	mg	
Substance	3	Iron	Supplier	7439-89-6	0.1	1.0	0.032	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.015	1.0	0.0048	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.032	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	0.0064	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	3.2E-4	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.0032	mg	
Substance	3	Tin	Supplier	7440-31-5	7.0	1.0	2.24	mg	
Substance	3	Zinc	Supplier	7440-66-6	0.3	1.0	0.096	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.01	1.0	0.0032	mg	
Substance	3	Copper	Supplier	7440-50-8	91.9385	1.0	29.42032	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.1	1.0	0.032	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	0.016	mg	

Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	0.0016	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	1.6E-4	mg	
Material	2	Copper				1.0	2810.0	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.281	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.0281	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.281	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	0.562	mg	
Substance	3	Copper	Supplier	7440-50-8	99.6975	1.0	2801.49975	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	2.81	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	0.0281	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	0.281	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	2.81	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	1.405	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	0.01405	mg	
Sub-Item	1	2022859-1				1.0	487.0	mg	
Material	2	Copper				1.0	487.0	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	0.2435	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.487	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	0.00487	mg	
Substance	3	Copper	Supplier	7440-50-8	99.6975	1.0	485.52682	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.00487	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.0487	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.0487	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	0.0974	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.487	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	0.002435	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	0.0487	mg	
Sub-Item	1	1936812-2				1.0	219.0	mg	
Material	2	PBT-GF30 FR (17)				1.0	219.0	mg	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	13.0	1.0	28.47	mg	
Substance	3	1,4-Benzenedicarboxylic acid, polymer with 1,4-butanediol	Supplier	26062-94-2	51.7	1.0	113.223	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0909	0.3	1.0	0.657	mg	
Substance	3	Fluorine	Supplier	7782-41-4	1.0	1.0	2.19	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	30.0	1.0	65.7	mg	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	4.0	1.0	8.76	mg	
Sub-Item	1	1915650-1				1.0	139.0	mg	
Material	2	ADHESIVE				1.0	139.0	mg	
Substance	3	C.I. Pigment Yellow 42	Supplier	51274-00-1	0.2	1.0	0.278	mg	
Substance	3	Siloxanes and Silicones, di-Me, reaction products with silica	Supplier	67762-90-7	1.3	1.0	1.807	mg	
Substance	3	Oxirane, 2-[[3-(trimethoxysilyl)propoxy]methyl]-	Supplier	2530-83-8	0.2	1.0	0.278	mg	
Substance	3	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	Supplier	30499-70-8	7.0	1.0	9.73	mg	
Substance	3	Phenol, polymer with formaldehyde, glycidyl ether	Supplier	28064-14-4	6.0	1.0	8.34	mg	

Substance	3	Ajicure PN 23	Supplier	134091-76-2	13.9	1.0	19.321	mg	
Substance	3	Phenol, 4,4-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane	Supplier	25068-38-6	59.4	1.0	82.566	mg	
Substance	3	Limestone	Supplier	1317-65-3	12.0	1.0	16.68	mg	
Sub-Item	1	1-1936827-4				1.0	359.0	mg	
Material	2	Copper Alloy				1.0	123.0	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	0.0615	mg	
Substance	3	Zinc	Supplier	7440-66-6	1.0	1.0	1.23	mg	
Substance	3	Silicon	Supplier	7440-21-3	1.2	1.0	1.476	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.123	mg	
Substance	3	Copper	Supplier	7440-50-8	92.7635	1.0	114.0991	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.06	1.0	0.0738	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.00123	mg	
Substance	3	Magnesium	Supplier	7439-95-4	0.3	1.0	0.369	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.1	1.0	0.123	mg	
Substance	3	Iron	Supplier	7439-89-6	0.2	1.0	0.246	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.0123	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.0123	mg	
Substance	3	Nickel	Nickel	7440-02-0	4.2	1.0	5.166	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	0.00615	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	6.15E-4	mg	
Material	2	Copper				1.0	236.0	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	0.118	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.236	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	0.00236	mg	
Substance	3	Copper	Supplier	7440-50-8	99.6975	1.0	235.2861	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.00236	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.0236	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.0236	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	0.0472	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.236	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	0.00118	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	0.0236	mg	
Sub-Item	1	2022549-1				1.0	140.0	mg	
Material	2	AgSnO211M2 X-1				1.0	63.0	mg	
Substance	3	Silver	Supplier	7440-22-4	92.0	1.0	57.96	mg	
Substance	3	Indium oxide (In2O3)	Supplier	1312-43-2	4.0	1.0	2.52	mg	
Substance	3	Tin oxide (SnO2)	Supplier	18282-10-5	4.0	1.0	2.52	mg	
Material	2	E-Cu 58				1.0	77.0	mg	
Substance	3	Copper	Supplier	7440-50-8	100.0	1.0	77.0	mg	
Sub-Item	1	1936811-4				1.0	1700.0	mg	
Material	2	VESTODUR X7212 NATURAL, A				1.0	1700.0	mg	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	6.0	1.0	102.0	mg	
Substance	3	1,4-Benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol	Supplier	30965-26-5	41.0	1.0	697.0	mg	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	8.0	1.0	136.0	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	45.0	1.0	765.0	mg	
Sub-Item	1	2022549-2				1.0	180.0	mg	
Material	2	AgSnO211M2 X-1				1.0	66.6	mg	
Substance	3	Silver	Supplier	7440-22-4	92.0	1.0	61.272	mg	
Substance	3	Indium oxide (In2O3)	Supplier	1312-43-2	4.0	1.0	2.664	mg	

Substance	3	Tin oxide (SnO2)	Supplier	18282-10-5	4.0	1.0	2.664	mg	
Material	2	E-Cu 58				1.0	113.4	mg	
Substance	3	Copper	Supplier	7440-50-8	100.0	1.0	113.4	mg	
Sub-Item	1	1936810-1				1.0	1131.122	mg	
Material	2	Polyester Compound				1.0	1131.122	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	12.5	1.0	141.39025	mg	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	11.0	1.0	124.42342	mg	
Substance	3	Carbonic dichloride, polymer with 4,4-(1-methylethylene)bis[phenol]	Supplier	25971-63-5	60.5	1.0	684.32881	mg	
Substance	3	Unspecified ROHS Compliant Substance	Supplier	Unspecified Compliant Substance	16.0	1.0	180.97952	mg	