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**	Chan, Nelson	**Contact Title**	Manager Sales, HKG SELL DIR-EMS
Company Unique ID	TE Connectivity	**Response Date**	2017-06-05	**Contact Email**	nelson.chan@te.com		
Contact Phone Number		852-2738-8751					

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	2-84981-0	**Amount**	1800.3635417	**Version**	-	**Identity**	
Manufacturer Item Name	1MM FFC SMT H ASSY 20P EMBOSS	**Weight Uom**	mg	**Mfr Site**		**Authority**	
Date		**UOM**	Each				
EURoHS-0508	Product(s) meets EU RoHS requirement without any exemptions						
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						
EUREACH-0616	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**		**Psl Rating Reflow**	
Max Time Within 5		**Psl 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	1MM FFC SMT H,H/DOWN PLATE (L)				1.0	10.022337	mg	
Material	2	Nickel Plate				1.0	0.42128	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	8.4256E-4	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	4.2128E-4	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	1.0	0.42002	mg	
Material	2	Tin Plate				1.0	0.321057	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	6.4211E-4	mg	
Substance	3	Tin	Supplier	7440-31-5	99.73	1.0	0.32019	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.07	1.0	2.2474E-4	mg	
Material	2	Brass				1.0	9.28	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	9.28E-5	mg	
Substance	3	Zinc	Supplier	7440-66-6	28.0225	1.0	2.60049	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.05	1.0	0.00464	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	9.28E-4	mg	
Substance	3	Iron	Supplier	7439-89-6	0.05	1.0	0.00464	mg	

Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.00928	mg	
Substance	3	Copper	Supplier	7440-50-8	71.5	1.0	6.6352	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	9.28E-5	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	9.28E-4	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	4.64E-5	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.2	1.0	0.01856	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	4.64E-4	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	0.00464	mg	
Sub-Item	1	1MM FFC SMT H,H/DOWN PLATE (R)				1.0	10.022337	mg	
Material	2	Nickel Plate				1.0	0.42128	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	8.4256E-4	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	4.2128E-4	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	1.0	0.42002	mg	
Material	2	Tin Plate				1.0	0.321057	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	6.4211E-4	mg	
Substance	3	Tin	Supplier	7440-31-5	99.73	1.0	0.32019	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.07	1.0	2.2474E-4	mg	
Material	2	Brass				1.0	9.28	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	9.28E-5	mg	
Substance	3	Zinc	Supplier	7440-66-6	28.0225	1.0	2.60049	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.05	1.0	0.00464	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	9.28E-4	mg	
Substance	3	Iron	Supplier	7439-89-6	0.05	1.0	0.00464	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.00928	mg	
Substance	3	Copper	Supplier	7440-50-8	71.5	1.0	6.6352	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	9.28E-5	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	9.28E-4	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	4.64E-5	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.2	1.0	0.01856	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	4.64E-4	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	0.00464	mg	
Sub-Item	1	1MM FFC SMT H BEND CONT.PLATED				20.0	9.01594339	mg	
Material	2	Nickel Plate				20.0	0.464187	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	20.0	9.2837E-4	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	20.0	4.6419E-4	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	20.0	0.46279	mg	
Material	2	Tin Plate				20.0	0.3537565	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	20.0	7.0751E-4	mg	
Substance	3	Tin	Supplier	7440-31-5	99.73	20.0	0.3528	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.07	20.0	2.4763E-4	mg	
Material	2	Phos Bronze				20.0	8.198	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	20.0	0.008198	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	20.0	8.198E-4	mg	
Substance	3	Zinc	Supplier	7440-66-6	0.2	20.0	0.016396	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.0050	20.0	4.099E-4	mg	
Substance	3	Copper	Supplier	7440-50-8	90.0485	20.0	7.38218	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	20.0	0.0016396	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.35	20.0	0.028693	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	20.0	8.198E-5	mg	
Substance	3	Iron	Supplier	7439-89-6	0.1	20.0	0.008198	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.01	20.0	8.198E-4	mg	

Substance	3	Tin	Supplier	7440-31-5	9.0	20.0	0.73782	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.1	20.0	0.008198	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	20.0	4.099E-5	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	20.0	4.099E-4	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	20.0	0.004099	mg	
Sub-Item	1	1MM FFC CONN SMT H,HOUSING 20P				1.0	1600.0	mg	
Material	2	PPA-GF30				1.0	1600.0	mg	
Substance	3	Inorganic Boron flame retardant - ISO 1043-4 code #FR(70)	Supplier	1043-4-FR70	2.0	1.0	32.0	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	5.0	1.0	80.0	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	35.0	1.0	560.0	mg	
Substance	3	Polyamide Homologous Polymer Series - ISO 1043-1 Term PA6T/66	Supplier	1043-1-PA6T/66	28.0	1.0	448.0	mg	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	30.0	1.0	480.0	mg	