



<b>Form Type</b>	Distribute	<b>Version</b>	2.0	<b>Ref</b>	IPC 1752A	<b>Sectionals</b>	Manufacturing Info/ Material Info	<b>Subsectionals</b>	D, A
<b>Supplier Information</b>									
<b>Company Name</b>	TE Connectivity	<b>Request Document ID</b>		<b>Contact Name</b>	Penica, John R	<b>Contact Title</b>	Sr Mgr Environmental Engineering, Ind Central Eng		
<b>Company Unique ID</b>	TE Connectivity	<b>Response Date</b>	2015-11-06	<b>Contact Email</b>	jrpenica@te.com				
<b>Contact Phone Number</b>	+1-717-592-3266								
<b>Legal Statement</b>									
<b>Supplier Acceptance</b>	true								
<b>Legal Statement</b>									
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.									
<b>Product</b>									
<b>Manufacturer Item number</b>	281699-4	<b>Amount</b>	537.0278528	<b>Version</b>	-	<b>Identity</b>			
<b>Manufacturer Item Name</b>	HEADER HE13 RA 4 P	<b>Weight Uom</b>	mg	<b>Mfr Site</b>		<b>Authority</b>			
<b>Date</b>		<b>UOM</b>	Each						
<b>EURoHS-0508</b>	Product(s) meets EU RoHS requirement without any exemptions								
<b>ChinaRoHS-0508</b>	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								
<b>EUREACH-1214</b>	REACH Candidate Substances of Very High Concern ARE NOT Yet Reviewed								
<b>Manufacturing Information</b>									
<b>J-STD-020 MSL Rating</b>		<b>Max Total a Wave Time</b>		<b>Ramp Rate</b>		<b>Wave Additional Info</b>			
<b>Classification Temp</b>		<b>Max Wave Solder Time</b>	10.0	<b>Ramp Down Rate</b>		<b>Psi Rating Reflow</b>			
<b>Max Time Within 5</b>		<b>Psi Rating Wave</b>		<b>Package Designator</b>		<b>Size</b>	0.0		
<b>Time Above 217</b>		<b>Reflow Additional Info</b>		<b>Preheat Max Temp</b>		<b>Terminal Base Alloy</b>	NAC		
<b>Preheat Duration</b>		<b>bulk Solder Termination</b>	NAC	<b>Nbr or Reflow Cycles</b>		<b>Terminal Plating</b>	NAC		
<b>Preheat Min Temp</b>		<b>Nbr of Instances</b>	0	<b>Component Temp Spike</b>		<b>Shape</b>	NAC		
<b>Product Disclosure</b>									
<b>Sub-Item/Material/Substance</b>	<b>Level</b>	<b>Name</b>	<b>Substance Category</b>	<b>Substance CAS</b>	<b>Substance Concentration</b>	<b>Quantity</b>	<b>Mass per Unit</b>	<b>UOM</b>	<b>Exemption</b>
Sub-Item	1	HOUSING MALE HE13 HE14 4 P				1.0	309.0	mg	
Material	2	PA36-GF30				1.0	309.0	mg	
Substance	3	Hexanedioic acid, polymer with 1,4-butanediamine	Supplier	50327-77-0	43.886	1.0	135.60774	mg	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	19.5	1.0	60.255	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	30.0	1.0	92.7	mg	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	5.5	1.0	16.995	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0909	1.1	1.0	3.399	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.0060	1.0	0.01854	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.0080	1.0	0.02472	mg	
Sub-Item	1	PIN, HE13 HE14, LENGTH=15,8				4.0	57.0069632	mg	
Material	2	Nickel Plate				4.0	0.68	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	4.0	0.00136	mg	

Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	4.0	6.8E-4	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	4.0	0.67796	mg	
Material	2	Gold Plate				4.0	0.0969632	mg	
Substance	3	Gold	Supplier	7440-57-5	99.7	4.0	0.09667231	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0909	0.3	4.0	2.9089E-4	mg	
Material	2	Tin Plate				4.0	0.17	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.0999	4.0	1.6983E-4	mg	
Substance	3	Tin	Supplier	7440-31-5	99.9001	4.0	0.16983	mg	
Material	2	Phos Bronze				4.0	56.06	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	4.0	0.005606	mg	
Substance	3	Copper	Supplier	7440-50-8	91.9385	4.0	51.54072	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.01	4.0	0.005606	mg	
Substance	3	Zinc	Supplier	7440-66-6	0.3	4.0	0.16818	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	4.0	0.011212	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	4.0	5.606E-4	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	4.0	0.05606	mg	
Substance	3	Tin	Supplier	7440-31-5	7.0	4.0	3.9242	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.35	4.0	0.19621	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.015	4.0	0.008409	mg	
Substance	3	Iron	Supplier	7439-89-6	0.1	4.0	0.05606	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	4.0	2.803E-4	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	4.0	0.002803	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.1	4.0	0.05606	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	4.0	0.02803	mg	