



Form Type	Distribute	Version	2.0	Ref	IPC 1752A	Sectionals	Material Info	Subsectionals	D, A
Supplier Information									
Company Name	TE Connectivity	Request Document ID		Contact Name	Adrian, Bernd	Contact Title	Sr R&D/Product Dvl Engineer, Product Development		
Company Unique ID	TE Connectivity	Response Date	2017-01-18	Contact Email	bernd.adrian@te.com				
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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	1462037-9	Amount	750.8272	Version	-	Identity			
Manufacturer Item Name	IM02GR=IM RELAY 140 MW 4.5 V	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-1215	REACH Candidate Substances of Very High Concern ARE NOT Contained in the Product Above the Limits per the Definition within REACH								
Product Disclosure									
Sub-Item/Material/Substance	Level	Name	Substance Category	Substance CAS	Substance Concentration	Quantity	Mass per Unit	UOM	Exemption
Sub-Item	1	E2055 RK-Band contacted IM ABD				1.0	144.032	mg	
Material	2	Copper Alloy				1.0	61.14	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	0.03057	mg	
Substance	3	Zinc	Supplier	7440-66-6	1.0	1.0	0.6114	mg	
Substance	3	Silicon	Supplier	7440-21-3	1.2	1.0	0.73368	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.06114	mg	
Substance	3	Copper	Supplier	7440-50-8	92.7685	1.0	56.71866	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.06	1.0	0.036684	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	6.114E-4	mg	
Substance	3	Magnesium	Supplier	7439-95-4	0.3	1.0	0.18342	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.1	1.0	0.06114	mg	
Substance	3	Iron	Supplier	7439-89-6	0.2	1.0	0.12228	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.0050	1.0	0.003057	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.006114	mg	
Substance	3	Nickel	Nickel	7440-02-0	4.2	1.0	2.56788	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	0.003057	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	3.057E-4	mg	
Material	2	Palladium plate				1.0	10.0	mg	
Substance	3	Palladium	Supplier	7440-05-3	100.0	1.0	10.0	mg	
Material	2	LCP-GF30				1.0	40.19	mg	
Substance	3	1,4-Benzenedicarboxylic acid, polymer with [1,1-biphenyl]-4,4-diol, 4-hydroxybenzoic acid, 6-hydroxy-2-naphthalenecarboxylic acid and N-(4-hydroxyphenyl)acetamide	Supplier	147310-94-9	66.6	1.0	26.76654	mg	

Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.4	1.0	0.16076	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	33.0	1.0	13.2627	mg	
Material	2	Nickel Plate				1.0	18.0	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	0.036	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.018	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	1.0	17.946	mg	
Material	2	Gold Plate				1.0	13.02	mg	
Substance	3	Gold	Supplier	7440-57-5	99.7	1.0	12.98094	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.3	1.0	0.03906	mg	
Material	2	base-CuNi30				1.0	1.22027418	mg	
Substance	3	Copper	Supplier	7440-50-8	68.4	1.0	0.83467	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.6	1.0	0.00732164	mg	
Substance	3	Nickel	Nickel	7440-02-0	31.0	1.0	0.37828	mg	
Material	2	intermediate layer-PdRu10				1.0	0.41461132	mg	
Substance	3	Palladium	Supplier	7440-05-3	90.0	1.0	0.37315	mg	
Substance	3	Ruthenium	Supplier	7440-18-8	10.0	1.0	0.04146113	mg	
Material	2	sputter layer-AuAg10				1.0	0.0471145	mg	
Substance	3	Silver	Supplier	7440-22-4	8.0	1.0	0.00376916	mg	
Substance	3	Gold	Supplier	7440-57-5	92.0	1.0	0.04334534	mg	
Sub-Item	1	E2022 UK-Band overmolded IM AB				1.0	68.187	mg	
Material	2	Copper Alloy				1.0	13.22	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	0.00661	mg	
Substance	3	Zinc	Supplier	7440-66-6	1.0	1.0	0.1322	mg	
Substance	3	Silicon	Supplier	7440-21-3	1.2	1.0	0.15864	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.01322	mg	
Substance	3	Copper	Supplier	7440-50-8	92.7685	1.0	12.264	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.06	1.0	0.007932	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	1.322E-4	mg	
Substance	3	Magnesium	Supplier	7439-95-4	0.3	1.0	0.03966	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.1	1.0	0.01322	mg	
Substance	3	Iron	Supplier	7439-89-6	0.2	1.0	0.02644	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.0050	1.0	6.61E-4	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.001322	mg	
Substance	3	Nickel	Nickel	7440-02-0	4.2	1.0	0.55524	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	6.61E-4	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	6.61E-5	mg	
Material	2	LCP-GF30				1.0	15.6	mg	
Substance	3	1,4-Benzenedicarboxylic acid, polymer with [1,1-biphenyl]-4,4-diol, 4-hydroxybenzoic acid, 6-hydroxy-2-naphthalenecarboxylic acid and N-(4-hydroxyphenyl)acetamide	Supplier	147310-94-9	66.6	1.0	10.3896	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.4	1.0	0.0624	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	33.0	1.0	5.148	mg	
Material	2	Copper Plate				1.0	3.5	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.0035	mg	
Substance	3	Copper	Supplier	7440-50-8	99.9	1.0	3.4965	mg	
Material	2	CONTACT-WHITE-BR PLATING				1.0	0.49	mg	

Substance	3	Copper	Supplier	7440-50-8	30.0	1.0	0.147	mg	
Substance	3	Tin	Supplier	7440-31-5	40.0	1.0	0.196	mg	
Substance	3	Zinc	Supplier	7440-66-6	30.0	1.0	0.147	mg	
Material	2	D02502 Steel				1.0	32.8	mg	
Substance	3	Copper	Supplier	7440-50-8	1.5	1.0	0.492	mg	
Substance	3	Iron	Supplier	7439-89-6	98.5	1.0	32.308	mg	
Material	2	Contact Profile				1.0	1.987	mg	
Substance	3	Ruthenium	Supplier	7440-18-8	2.596	1.0	0.05158252	mg	
Substance	3	Copper	Supplier	7440-50-8	48.673	1.0	0.96713	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.716	1.0	0.01422692	mg	
Substance	3	Palladium	Supplier	7440-05-3	23.375	1.0	0.46446	mg	
Substance	3	Iron	Supplier	7439-89-6	0.716	1.0	0.01422692	mg	
Substance	3	Gold	Supplier	7440-57-5	2.45	1.0	0.0486815	mg	
Substance	3	Nickel	Nickel	7440-02-0	21.474	1.0	0.42669	mg	
Material	2	CONTACT-PLATING				1.0	0.59	mg	
Substance	3	Copper	Supplier	7440-50-8	100.0	1.0	0.59	mg	
Sub-Item	1	E2102M-magnetic circuit 4.5V				1.0	383.4782	mg	
Material	2	100-1521				1.0	55.4	mg	
Substance	3	Iron	Supplier	7439-89-6	98.9405	1.0	54.81304	mg	
Substance	3	Silicon	Supplier	7440-21-3	0.15	1.0	0.0831	mg	
Substance	3	Vanadium	Supplier	7440-62-2	0.0070	1.0	0.003878	mg	
Substance	3	Sulfur	Supplier	7704-34-9	0.022	1.0	0.012188	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	5.54E-4	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.0554	mg	
Substance	3	Carbon	Supplier	7440-44-0	0.01	1.0	0.00554	mg	
Substance	3	Aluminum	Supplier	7429-90-5	0.05	1.0	0.0277	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.022	1.0	0.012188	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.36	1.0	0.19944	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.00554	mg	
Substance	3	Copper	Supplier	7440-50-8	0.07	1.0	0.03878	mg	
Substance	3	Titanium	Supplier	7440-32-6	0.0070	1.0	0.003878	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.00554	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.06	1.0	0.03324	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.07	1.0	0.03878	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	0.00554	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	2.77E-4	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.0554	mg	
Material	2	LCP				1.0	112.87	mg	
Substance	3	1,4-Benzenedicarboxylic acid, polymer with [1,1-biphenyl]-4,4-diol, 4-hydroxybenzoic acid, 6-hydroxy-2-naphthalenecarboxylic acid and N-(4-hydroxyphenyl)acetamide	Supplier	147310-94-9	60.0	1.0	67.722	mg	
Substance	3	Talc (Mg3H2(SiO3)4)	Supplier	14807-96-6	40.0	1.0	45.148	mg	
Material	2	LCP				1.0	33.4	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	30.0	1.0	10.02	mg	
Substance	3	1,4-Benzenedicarboxylic acid, polymer with [1,1-biphenyl]-4,4-diol, 4-hydroxybenzoic acid, 6-hydroxy-2-naphthalenecarboxylic acid and N-(4-hydroxyphenyl)acetamide	Supplier	147310-94-9	69.7	1.0	23.2798	mg	

Substance	3	Octadecanoic acid, 1,1-[2,2-bis[[1-(1-oxooctadecyl)oxy]methyl]-1,3-propanediyl] ester	Supplier	115-83-3	0.3	1.0	0.1002	mg	
Material	2	Nickel Plate				1.0	18.0	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	0.036	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.018	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	1.0	17.946	mg	
Material	2	Copper Alloy				1.0	12.327	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.012327	mg	
Substance	3	Zinc	Supplier	7440-66-6	0.5	1.0	0.061635	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.2	1.0	0.024654	mg	
Substance	3	Copper	Supplier	7440-50-8	85.2175	1.0	10.50476	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	1.2327E-4	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	1.2327E-4	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.0012327	mg	
Substance	3	Iron	Supplier	7439-89-6	0.6	1.0	0.073962	mg	
Substance	3	Tin	Supplier	7440-31-5	2.8	1.0	0.34516	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.0012327	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	0.0012327	mg	
Substance	3	Nickel	Nickel	7440-02-0	10.5	1.0	1.29434	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	6.1635E-5	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	0.0061635	mg	
Material	2	Copper				1.0	118.4812	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	0.0592406	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	5.9241E-4	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	0.0592406	mg	
Substance	3	Copper	Supplier	7440-50-8	99.7625	1.0	118.19981	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.11848	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	0.00118481	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.01	1.0	0.01184812	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.01184812	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.01184812	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.00118481	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	0.00592406	mg	
Material	2	permanent magnet				1.0	33.0	mg	
Substance	3	Iron	Supplier	7439-89-6	54.46	1.0	17.9718	mg	
Substance	3	Cobalt	Supplier	7440-48-4	16.3	1.0	5.379	mg	
Substance	3	Chromium	Supplier	7440-47-3	29.24	1.0	9.6492	mg	
Sub-Item	1	IM STANDARD SF6 FILLING				1.0	0.26	mg	
Material	2	Sulphur hexafluoride				1.0	0.26	mg	
Substance	3	Sulfur fluoride (SF6), (OC-6-11)-	Fluorinated greenhouse gases (HFC,PFC,SF6)	2551-62-4	100.0	1.0	0.26	mg	
Sub-Item	1	D02809 Epoxi resin Kishimoto				1.0	25.0	mg	
Material	2	resin				1.0	25.0	mg	
Substance	3	Phenol, 4,4-(1-methylethylidene)bis-, polymer with 2,2-[[1-(1-methylethylidene)bis(4,1-phenyleneoxy)methylene]]bis[oxirane]	Supplier	25036-25-3	100.0	1.0	25.0	mg	
Sub-Item	1	Cap HSG for IM relay				1.0	129.87	mg	
Material	2	LCP				1.0	129.87	mg	

Substance	3	1,4-Benzenedicarboxylic acid, polymer with [1,1-biphenyl]-4,4-diol, 4-hydroxybenzoic acid, 6-hydroxy-2-naphthalenecarboxylic acid and N-(4-hydroxyphenyl)acetamide	Supplier	147310-94-9	60.0	1.0	77.922	mg	
Substance	3	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Supplier	14807-96-6	40.0	1.0	51.948	mg	