



<b>Form Type</b>	Distribute	<b>Version</b>	2.0	<b>Ref</b>	IPC 1752A	<b>Sectionals</b>	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>	Adrian, Bernd	<b>Contact Title</b>	Sr R&D/Product Dvl Engineer,		
<b>Company Unique ID</b>	TE Connectivity	<b>Response Date</b>	2018-05-25	<b>Contact Email</b>	bernd.adrian@te.com				
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<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>	2-1462039-9	<b>Amount</b>	5915.4216	<b>Version</b>	-	<b>Identity</b>			
<b>Manufacturer Item Name</b>	IM23GR=IM RELAY 50MW 5V	<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-0117</b>	REACH Candidate Substances of Very High Concern ARE NOT Contained in the Product Above the Limits per the Definition within REACH								
<b>Complex Article Description</b>	REACH Candidate Substances of Very High Concern according to Once an Article Always an Article are Not Yet Reviewed								
<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	E2022 UK-Band overmolded IM AB				1.0	2909.877	mg	
Material	2	Contact-Copper Plating				1.0	638.57	mg	
Substance	3	Copper	Supplier	7440-50-8	100.0	1.0	638.57	mg	
Material	2	D02502 Steel ULCN 140 Strip 0.5x18				1.0	32.8	mg	
Substance	3	Silicon	Supplier	7440-21-3	0.01	1.0	0.00328	mg	
Substance	3	Sulfur	Supplier	7704-34-9	0.01	1.0	0.00328	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.01	1.0	0.00328	mg	
Substance	3	Carbon	Supplier	7440-44-0	5.0E-4	1.0	1.64E-4	mg	
Substance	3	Copper	Supplier	7440-50-8	0.03	1.0	0.00984	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.03	1.0	0.00984	mg	
Substance	3	Aluminum	Supplier	7429-90-5	0.04	1.0	0.01312	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.15	1.0	0.0492	mg	
Substance	3	Iron	Supplier	7439-89-6	99.687	1.0	32.69734	mg	
Substance	3	Nitrogen	Supplier	7727-37-9	0.0025	1.0	8.2E-4	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.03	1.0	0.00984	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	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-White Bronze Plating				1.0	2207.7	mg	
Substance	3	Tin	Supplier	7440-31-5	40.0	1.0	883.08	mg	
Substance	3	Zinc	Supplier	7440-66-6	30.0	1.0	662.31	mg	
Substance	3	Copper	Supplier	7440-50-8	30.0	1.0	662.31	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	
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 (Mg3H2(SiO3)4)	Supplier	14807-96-6	40.0	1.0	51.948	mg	
Sub-Item	1	D02809 Epoxy resin Kishimoto				1.0	25.0	mg	
Material	2	Epoxy resin				1.0	25.0	mg	
Substance	3	C.I. Pigment Black 28	Supplier	68186-91-4	3.2	1.0	0.8	mg	
Substance	3	Phenol, 4,4-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane	Supplier	25068-38-6	64.3	1.0	16.075	mg	
Substance	3	Carbonic acid calcium salt (1:1)	Supplier	471-34-1	22.5	1.0	5.625	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0217	10.0	1.0	2.5	mg	
Sub-Item	1	E2123M-magnetic circuit 5V h. sen.				1.0	395.1126	mg	
Material	2	100-enamel				1.0	14.72392134	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-0217	100.0	1.0	14.72392	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	112.2	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	67.32	mg	
Substance	3	Talc (Mg3H2(SiO3)4)	Supplier	14807-96-6	40.0	1.0	44.88	mg	
Material	2	LCP				1.0	33.43	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	30.0	1.0	10.029	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	23.30071	mg	
Substance	3	Octadecanoic acid, 1,1-[2,2-bis[[[1-oxooctadecyl]oxy]methyl]-1,3-propanediyl] ester	Supplier	115-83-3	0.3	1.0	0.10029	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	132.66267866	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	0.13266	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.01326627	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.00132663	mg	

Substance	3	Chromium	Supplier	7440-47-3	0.0010	1.0	0.00132663	mg	
Substance	3	Copper	Supplier	7440-50-8	99.6975	1.0	132.26137	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.01326627	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	0.02653254	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.13266	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	0.01326627	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	0.06633134	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	6.6331E-4	mg	
Material	2	Nickel Plate				1.0	1.369	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.001369	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	0.002738	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	1.0	1.36489	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	E2055 RK-Band contacted IM ABD				1.0	2455.302	mg	
Material	2	Contcat-Palladium -Plating				1.0	1.9	mg	
Substance	3	Palladium	Supplier	7440-05-3	100.0	1.0	1.9	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	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	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	
Material	2	Contcat-Nickel -Plating				1.0	2350.0	mg	
Substance	3	Nickel	Nickel	7440-02-0	100.0	1.0	2350.0	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	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	Contcat-Gold - Plating				1.0	0.39	mg	
Substance	3	Gold	Supplier	7440-57-5	100.0	1.0	0.39	mg	