



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	Benfer, David W	Contact Title	Prod Compliance Engineer																											
Company Unique ID	TE Connectivity	Response Date	2018-03-05	Contact Email	dave.benfer@te.com																													
Contact Phone Number		717-986-3725																																
Legal Statement																																		
Supplier Acceptance	true																																	
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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	2308171-1	Amount	64047.326762	Version	-	Identity																												
Manufacturer Item Name	ZQSFP+ CAGE& CONN 2X2, EMI SPRING, BTB	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-0117	REACH Candidate Substances of Very High Concern ARE NOT Yet Reviewed																																	
Complex Article Description	REACH Candidate Substances of Very High Concern according to Once an Article Always an Article are Not Yet Reviewed																																	
Product Disclosure																																		
Sub-Item/Material/Substance	Level	Name	Substance Category	Substance CAS	Substance Concentration	Quantity	Mass per Unit	UOM	Exemption																									
Sub-Item	1	ORGANIZER, LIGHT PIPE, ZQSFP+				2.0	195.0	mg																										
Material	2	PBT-I-GF30-FR(17)				2.0	195.0	mg																										
Substance	3	Dolomite (CaMg(CO3)2)	Supplier	16389-88-1	0.5	2.0	0.975	mg																										
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	35.0	2.0	68.25	mg																										
Substance	3	Benzenepropionic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1-[2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl] ester	Supplier	6683-19-8	0.2	2.0	0.39	mg																										
Substance	3	Furan, tetrahydro-	Supplier	109-99-9	0.2	2.0	0.39	mg																										
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	3.0	2.0	5.85	mg																										
Substance	3	Talc (Mg3H2(SiO3)4)	Supplier	14807-96-6	2.0	2.0	3.9	mg																										
Substance	3	Ethene, 1,1,2,2-tetrafluoro-, homopolymer	Supplier	9002-84-0	1.0	2.0	1.95	mg																										
Substance	3	Chlorite-group minerals	Supplier	1318-59-8	0.5	2.0	0.975	mg																										
Substance	3	Carbon black	Supplier	1333-86-4	1.0	2.0	1.95	mg																										
Substance	3	1,4-Benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol	Supplier	30965-26-5	36.6	2.0	71.37	mg																										

Substance	3	Phosphoric acid, zinc salt (2:3)	Supplier	7779-90-0	0.5	2.0	0.975	mg	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	18.0	2.0	35.1	mg	
Substance	3	Quartz (SiO2)	Supplier	14808-60-7	0.5	2.0	0.975	mg	
Substance	3	2-Propenenitrile, polymer with ethenylbenzene	Supplier	9003-54-7	1.0	2.0	1.95	mg	
Sub-Item	1	CONNECTOR ASSEMBLY, ZQSFP+ STACKED				2.0	10902.063381	mg	
Material	2	Tin Plate				2.0	0.07334	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	2.0	1.4668E-4	mg	
Substance	3	Tin	Supplier	7440-31-5	99.73	2.0	0.07314198	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.07	2.0	5.1338E-5	mg	
Material	2	Copper Alloy				2.0	1590.56352	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	2.0	0.79528	mg	
Substance	3	Zinc	Supplier	7440-66-6	1.0	2.0	15.90564	mg	
Substance	3	Silicon	Supplier	7440-21-3	1.2	2.0	19.08676	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	2.0	1.59056	mg	
Substance	3	Copper	Supplier	7440-50-8	92.7685	2.0	1475.54192	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.06	2.0	0.95434	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	2.0	0.01590564	mg	
Substance	3	Magnesium	Supplier	7439-95-4	0.3	2.0	4.77169	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.1	2.0	1.59056	mg	
Substance	3	Iron	Supplier	7439-89-6	0.2	2.0	3.18113	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.0050	2.0	0.07952818	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	2.0	0.15906	mg	
Substance	3	Nickel	Nickel	7440-02-0	4.2	2.0	66.80367	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	2.0	0.07952818	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	2.0	0.00795282	mg	
Material	2	LCP				2.0	2290.0	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.995	2.0	22.7855	mg	
Substance	3	Phenol	Supplier	108-95-2	0.0050	2.0	0.1145	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	68.5	2.0	1568.65	mg	
Substance	3	Carbon black	Supplier	1333-86-4	0.5	2.0	11.45	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	30.0	2.0	687.0	mg	
Material	2	Nickel Plate				2.0	19.380921	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	2.0	0.01938092	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	2.0	0.03876184	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	2.0	19.32278	mg	
Material	2	LCP-GF30				2.0	7002.0	mg	
Substance	3	Ethene, homopolymer	Supplier	9002-88-4	0.2	2.0	14.004	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	3.0	2.0	210.06	mg	
Substance	3	Carbon black	Supplier	1333-86-4	2.0	2.0	140.04	mg	

Substance	3	2,6-Naphthalenedi carboxylic acid, polymer with 1,4-benzenedicarb oxylic acid, 1,4-benzenediol, [1,1-biphenyl]-4,4-diol and 4-hydroxybenzoic acid	Supplier	126710-21-2	65.8	2.0	4607.316	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	29.0	2.0	2030.58	mg	
Material	2	Gold Plate				2.0	0.0456	mg	
Substance	3	Gold	Supplier	7440-57-5	99.7	2.0	0.0454632	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.3	2.0	1.368E-4	mg	
Sub-Item	1	CAGE ASSEMBLY, 2X2, ZQSFP+ STACKED				1.0	33479.2	mg	
Material	2	Phos Bronze				1.0	1825.14	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	1.82514	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.18251	mg	
Substance	3	Zinc	Supplier	7440-66-6	0.2	1.0	3.65028	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.0050	1.0	0.091257	mg	
Substance	3	Copper	Supplier	7440-50-8	90.0485	1.0	1643.51119	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	1.0	0.36503	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.35	1.0	6.38799	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.0182514	mg	
Substance	3	Iron	Supplier	7439-89-6	0.1	1.0	1.82514	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.01	1.0	0.18251	mg	
Substance	3	Tin	Supplier	7440-31-5	9.0	1.0	164.2626	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.1	1.0	1.82514	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	0.0091257	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	0.091257	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	0.91257	mg	
Material	2	Nickel Alloy				1.0	31575.7	mg	
Substance	3	Copper	Supplier	7440-50-8	56.0	1.0	17682.392	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.31576	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	3.15757	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	3.15757	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.01	1.0	3.15757	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	31.5757	mg	
Substance	3	Iron	Supplier	7439-89-6	0.25	1.0	78.93925	mg	
Substance	3	Zinc	Supplier	7440-66-6	23.5635	1.0	7440.34007	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.5	1.0	157.8785	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	1.57878	mg	
Substance	3	Nickel	Nickel	7440-02-0	19.5	1.0	6157.2615	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	0.15788	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	15.78785	mg	
Material	2	Nickel Plate				1.0	78.36	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.07836	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	0.15672	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	1.0	78.12492	mg	
Sub-Item	1	HOUSING, REAR, ZQSFP+ STACKED				2.0	300.0	mg	
Material	2	LCP				2.0	300.0	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.995	2.0	2.985	mg	
Substance	3	Phenol	Supplier	108-95-2	0.0050	2.0	0.015	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	68.5	2.0	205.5	mg	
Substance	3	Carbon black	Supplier	1333-86-4	0.5	2.0	1.5	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	30.0	2.0	90.0	mg	
Sub-Item	1	OUTER LP FOR ZQSFP 4 LP				2.0	694.0	mg	
Material	2	PC				2.0	694.0	mg	
Substance	3	Phenol, 2,4-bis(1,1-dimethylethyl)-, 1,1,1-phosphite	Supplier	31570-04-4	0.2	2.0	1.388	mg	
Substance	3	Methane, dichloro-	Supplier	75-09-2	0.0050	2.0	0.0347	mg	
Substance	3	4,4'-isopropylidene diphenol (bisphenol A; BPA)	Supplier	80-05-7	0.01	2.0	0.0694	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	3.0	2.0	20.82	mg	
Substance	3	Benzenesulfonic acid, 3,3-sulfonylbis-, potassium salt (1:2)	Supplier	63316-33-6	0.1	2.0	0.694	mg	
Substance	3	Aromatic Brominated flame retardant - ISO 1043-4 code #FR(16)	Supplier	1043-4-FR16	0.5	2.0	3.47	mg	
Substance	3	Carbonic dichloride, polymer with 4,4'-(1-methylethylidene)bis[phenol], 4-(1-methyl-1-phenylethyl)phenyl ester	Supplier	111211-39-3	96.165	2.0	667.3851	mg	
Substance	3	9,10-Anthracenedione, 1,8-bis[(4-methylphenyl)amino]-	Supplier	82-16-6	0.01	2.0	0.0694	mg	
Substance	3	9,10-Anthracenedione, 1,4-bis[(2-methylphenyl)amino]-	Supplier	6737-68-4	0.01	2.0	0.0694	mg	
Sub-Item	1	CAGE, BACK COVER, 2X2, ZQSFP+ STACKED				1.0	2288.0	mg	
Material	2	Nickel Alloy				1.0	2288.0	mg	
Substance	3	Copper	Supplier	7440-50-8	56.0	1.0	1281.28	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.02288	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.2288	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.2288	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.01	1.0	0.2288	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	2.288	mg	
Substance	3	Iron	Supplier	7439-89-6	0.25	1.0	5.72	mg	
Substance	3	Zinc	Supplier	7440-66-6	23.5635	1.0	539.13288	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.5	1.0	11.44	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	1.0	0.1144	mg	
Substance	3	Nickel	Nickel	7440-02-0	19.5	1.0	446.16	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	0.01144	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	1.0	1.144	mg	
Sub-Item	1	LIGHT PIPE, OUTER, ZQSFP+ STACKED				2.0	1325.0	mg	
Material	2	PC				2.0	1325.0	mg	

Substance	3	Phenol, 2,4-bis(1,1,1-dimethylethyl)-, 1,1,1-phosphite	Supplier	31570-04-4	0.2	2.0	2.65	mg	
Substance	3	Methane, dichloro-	Supplier	75-09-2	0.0050	2.0	0.06625	mg	
Substance	3	4,4,-isopropylidene diphenol (bisphenol A; BPA)	Supplier	80-05-7	0.01	2.0	0.1325	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	3.0	2.0	39.75	mg	
Substance	3	Benzenesulfonic acid, 3,3-sulfonylbis-, potassium salt (1:2)	Supplier	63316-33-6	0.1	2.0	1.325	mg	
Substance	3	Aromatic Brominated flame retardant - ISO 1043-4 code #FR(16)	Supplier	1043-4-FR16	0.5	2.0	6.625	mg	
Substance	3	Carbonic dichloride, polymer with 4,4-(1-methylethylidene)bis[phenol], 4-(1-methyl-1-phenylethyl)phenyl ester	Supplier	111211-39-3	96.165	2.0	1274.18625	mg	
Substance	3	9,10-Anthracenedione, 1,8-bis[(4-methylphenyl)amino]-	Supplier	82-16-6	0.01	2.0	0.1325	mg	
Substance	3	9,10-Anthracenedione, 1,4-bis[(2-methylphenyl)amino]-	Supplier	6737-68-4	0.01	2.0	0.1325	mg	
Sub-Item	1	INNER LP FOR ZQSPF+ 4 LP				2.0	724.0	mg	
Material	2	PC				2.0	724.0	mg	
Substance	3	Phenol, 2,4-bis(1,1,1-dimethylethyl)-, 1,1,1-phosphite	Supplier	31570-04-4	0.2	2.0	1.448	mg	
Substance	3	Methane, dichloro-	Supplier	75-09-2	0.0050	2.0	0.0362	mg	
Substance	3	4,4,-isopropylidene diphenol (bisphenol A; BPA)	Supplier	80-05-7	0.01	2.0	0.0724	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	3.0	2.0	21.72	mg	
Substance	3	Benzenesulfonic acid, 3,3-sulfonylbis-, potassium salt (1:2)	Supplier	63316-33-6	0.1	2.0	0.724	mg	
Substance	3	Aromatic Brominated flame retardant - ISO 1043-4 code #FR(16)	Supplier	1043-4-FR16	0.5	2.0	3.62	mg	
Substance	3	Carbonic dichloride, polymer with 4,4-(1-methylethylidene)bis[phenol], 4-(1-methyl-1-phenylethyl)phenyl ester	Supplier	111211-39-3	96.165	2.0	696.2346	mg	
Substance	3	9,10-Anthracenedione, 1,8-bis[(4-methylphenyl)amino]-	Supplier	82-16-6	0.01	2.0	0.0724	mg	
Substance	3	9,10-Anthracenedione, 1,4-bis[(2-methylphenyl)amino]-	Supplier	6737-68-4	0.01	2.0	0.0724	mg	