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|---|---|--|--------------------|----------------------|-------------------------|----------------------|---|---------------|-----------|
| 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 | Penica, John R | Contact Title | Sr Mgr Environmental Engineering, Ind Central Eng | | |
| Company Unique ID | TE Connectivity | Response Date | 2017-05-10 | Contact Email | jrpenica@te.com | | | | |
| Contact Phone Number | 1-717-592-3266 | | | | | | | | |
| 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 | 3-1461491-6 | Amount | 2651.062 | Version | - | Identity | | | |
| Manufacturer Item Name | PCN-124D3MHZ,000 | 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 | | Psi Rating Reflow | | | |
| Max Time Within 5 | | Psi 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 | STATIONARY TERMINAL ASSY | | | | 1.0 | 71.4 | mg | |
| Material | 2 | Tape Contact | | | | 1.0 | 71.4 | mg | |
| Substance | 3 | Silver | Supplier | 7440-22-4 | 21.8 | 1.0 | 15.5652 | mg | |
| Substance | 3 | Copper | Supplier | 7440-50-8 | 75.3 | 1.0 | 53.7642 | mg | |
| Substance | 3 | Magnesium | Supplier | 7439-95-4 | 0.5 | 1.0 | 0.357 | mg | |
| Substance | 3 | Nickel | Nickel | 7440-02-0 | 2.4 | 1.0 | 1.7136 | mg | |
| Sub-Item | 1 | EPOXY | | | | 1.0 | 2.48 | mg | |
| Material | 2 | adhesive(PAK) | | | | 1.0 | 2.48 | mg | |
| Substance | 3 | 2-Propenoic acid, homopolymer | Supplier | 9003-01-4 | 96.0 | 1.0 | 2.3808 | mg | |
| Substance | 3 | Contains No Reportable TE5081-2 Substances | Supplier | TE5081-2-0909 | 4.0 | 1.0 | 0.0992 | mg | |
| Sub-Item | 1 | ARMATURE& CARD | | | | 1.0 | 4.8 | mg | |
| Material | 2 | PBT-GF25(FR30+40) | | | | 1.0 | 4.8 | mg | |
| Substance | 3 | Nitrogen compounds - ISO 1043-4 code #FR(30) | Supplier | 1043-4-FR30 | 10.0 | 1.0 | 0.48 | mg | |

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|-----------|---|---|---------------------------|---------------|---------|-----|-----------|----|--|
| Substance | 3 | 1,4-Benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol | Supplier | 30965-26-5 | 24.5 | 1.0 | 1.176 | mg | |
| Substance | 3 | 1,4-Benzenedicarboxylic acid, polymer with 1,4-butanediol | Supplier | 26062-94-2 | 24.5 | 1.0 | 1.176 | mg | |
| Substance | 3 | 1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, compd. with 1,3,5-triazine-2,4,6-triamine (1:1) | Supplier | 37640-57-6 | 5.0 | 1.0 | 0.24 | mg | |
| Substance | 3 | Contains No Reportable TE5081-2 Substances | Supplier | TE5081-2-1212 | 1.0 | 1.0 | 0.048 | mg | |
| Substance | 3 | Halogen-free organic phosphorus flame retardant - ISO 1043-4 code #FR(40) | Supplier | 1043-4-FR40 | 10.0 | 1.0 | 0.48 | mg | |
| Substance | 3 | Glass, oxide, chemicals | Supplier | 65997-17-3 | 25.0 | 1.0 | 1.2 | mg | |
| Sub-Item | 1 | EPI-FINE | | | | 1.0 | 52.5 | mg | |
| Material | 2 | EpiFine | | | | 1.0 | 52.5 | mg | |
| Substance | 3 | Carbon black | Supplier | 1333-86-4 | 0.3 | 1.0 | 0.1575 | mg | |
| Substance | 3 | Carbonic acid calcium salt (1:1) | Supplier | 471-34-1 | 27.3 | 1.0 | 14.3325 | mg | |
| Substance | 3 | Contains No Reportable TE5081-2 Substances | Supplier | TE5081-2-1212 | 5.7 | 1.0 | 2.9925 | mg | |
| Substance | 3 | Fatty acids, tall-oil, polymers with bisphenol A and epichlorohydrin | Supplier | 66070-75-5 | 54.7 | 1.0 | 28.7175 | mg | |
| Substance | 3 | Phenol, 4,4-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane | Supplier | 25068-38-6 | 12.0 | 1.0 | 6.3 | mg | |
| Sub-Item | 1 | Solder Round | | | | 1.0 | 38.8 | mg | |
| Material | 2 | Lead-free Solid Solder Wire | | | | 1.0 | 38.8 | mg | |
| Substance | 3 | Tin | Supplier | 7440-31-5 | 99.3 | 1.0 | 38.5284 | mg | |
| Substance | 3 | Copper | Supplier | 7440-50-8 | 0.7 | 1.0 | 0.2716 | mg | |
| Sub-Item | 1 | CORE | | | | 1.0 | 750.0 | mg | |
| Material | 2 | Iron | | | | 1.0 | 750.0 | mg | |
| Substance | 3 | Cobalt | Supplier | 7440-48-4 | 0.1 | 1.0 | 0.75 | mg | |
| Substance | 3 | Aluminum | Supplier | 7429-90-5 | 0.1 | 1.0 | 0.75 | mg | |
| Substance | 3 | Titanium | Supplier | 7440-32-6 | 0.1 | 1.0 | 0.75 | mg | |
| Substance | 3 | Carbon | Supplier | 7440-44-0 | 0.02 | 1.0 | 0.15 | mg | |
| Substance | 3 | Manganese | Supplier | 7439-96-5 | 0.35 | 1.0 | 2.625 | mg | |
| Substance | 3 | Silicon | Supplier | 7440-21-3 | 0.15 | 1.0 | 1.125 | mg | |
| Substance | 3 | Phosphorus | Supplier | 7723-14-0 | 0.03 | 1.0 | 0.225 | mg | |
| Substance | 3 | Vanadium | Supplier | 7440-62-2 | 0.1 | 1.0 | 0.75 | mg | |
| Substance | 3 | Sulfur | Supplier | 7704-34-9 | 0.025 | 1.0 | 0.1875 | mg | |
| Substance | 3 | Chromium | Supplier | 7440-47-3 | 0.2 | 1.0 | 1.5 | mg | |
| Substance | 3 | Iron | Supplier | 7439-89-6 | 98.5393 | 1.0 | 739.04475 | mg | |
| Substance | 3 | Beryllium | Supplier | 7440-41-7 | 0.0010 | 1.0 | 0.0075 | mg | |
| Substance | 3 | Antimony | Supplier | 7440-36-0 | 0.01 | 1.0 | 0.075 | mg | |
| Substance | 3 | Arsenic | Supplier | 7440-38-2 | 0.0099 | 1.0 | 0.07425 | mg | |
| Substance | 3 | Nickel | Nickel | 7440-02-0 | 0.15 | 1.0 | 1.125 | mg | |
| Substance | 3 | Mercury | Mercury/Mercury Compounds | 7439-97-6 | 5.0E-4 | 1.0 | 0.00375 | mg | |
| Substance | 3 | Cadmium | Cadmium/Cadmium Compounds | 7440-43-9 | 0.0099 | 1.0 | 0.07425 | mg | |
| Substance | 3 | Lead | Lead/Lead Compounds | 7439-92-1 | 0.0999 | 1.0 | 0.74925 | mg | |
| Sub-Item | 1 | COIL TERMINAL | | | | 2.0 | 38.291 | mg | |
| Material | 2 | Phos Bronze | | | | 2.0 | 38.291 | mg | |
| Substance | 3 | Phosphorus | Supplier | 7723-14-0 | 0.35 | 2.0 | 0.13402 | mg | |
| Substance | 3 | Iron | Supplier | 7439-89-6 | 0.1 | 2.0 | 0.038291 | mg | |

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|-----------|---|---|---------------------------|---------------|---------|-----|------------|----|--|
| Substance | 3 | Arsenic | Supplier | 7440-38-2 | 0.01 | 2.0 | 0.0038291 | mg | |
| Substance | 3 | Manganese | Supplier | 7439-96-5 | 0.01 | 2.0 | 0.0038291 | mg | |
| Substance | 3 | Cobalt | Supplier | 7440-48-4 | 0.1 | 2.0 | 0.038291 | mg | |
| Substance | 3 | Beryllium | Supplier | 7440-41-7 | 0.0010 | 2.0 | 3.8291E-4 | mg | |
| Substance | 3 | Antimony | Supplier | 7440-36-0 | 0.01 | 2.0 | 0.0038291 | mg | |
| Substance | 3 | Tin | Supplier | 7440-31-5 | 7.0 | 2.0 | 2.68037 | mg | |
| Substance | 3 | Zinc | Supplier | 7440-66-6 | 0.3 | 2.0 | 0.11487 | mg | |
| Substance | 3 | Chromium | Supplier | 7440-47-3 | 0.0010 | 2.0 | 3.8291E-4 | mg | |
| Substance | 3 | Copper | Supplier | 7440-50-8 | 91.9625 | 2.0 | 35.21336 | mg | |
| Substance | 3 | Nickel | Nickel | 7440-02-0 | 0.1 | 2.0 | 0.038291 | mg | |
| Substance | 3 | Cadmium | Cadmium/Cadmium Compounds | 7440-43-9 | 0.0050 | 2.0 | 0.00191455 | mg | |
| Substance | 3 | Lead | Lead/Lead Compounds | 7439-92-1 | 0.05 | 2.0 | 0.0191455 | mg | |
| Substance | 3 | Mercury | Mercury/Mercury Compounds | 7439-97-6 | 5.0E-4 | 2.0 | 1.9145E-4 | mg | |
| Sub-Item | 1 | EPOXY | | | | 1.0 | 10.0 | mg | |
| Material | 2 | EPOXY | | | | 1.0 | 10.0 | mg | |
| Substance | 3 | Carbonic acid calcium salt (1:1) | Supplier | 471-34-1 | 23.0 | 1.0 | 2.3 | mg | |
| Substance | 3 | Carbon black | Supplier | 1333-86-4 | 0.5 | 1.0 | 0.05 | mg | |
| Substance | 3 | Phenol, 4,4-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane | Supplier | 25068-38-6 | 13.0 | 1.0 | 1.3 | mg | |
| Substance | 3 | 1H-Imidazole, 2-methyl- | Supplier | 693-98-1 | 6.0 | 1.0 | 0.6 | mg | |
| Substance | 3 | Fatty acids, tall-oil, polymers with bisphenol A and epichlorohydrin | Supplier | 66070-75-5 | 57.5 | 1.0 | 5.75 | mg | |
| Sub-Item | 1 | 0.025MM DIAMETER WIRE | | | | 1.0 | 602.0 | mg | |
| Material | 2 | Enamelled Copper Wire | | | | 1.0 | 602.0 | mg | |
| Substance | 3 | Polyurethane - ISO 1043-1 Term PUR | Supplier | 1043-1-PUR | 4.9 | 1.0 | 29.498 | mg | |
| Substance | 3 | Copper | Supplier | 7440-50-8 | 95.1 | 1.0 | 572.502 | mg | |
| Sub-Item | 1 | BASE | | | | 1.0 | 350.0 | mg | |
| Material | 2 | PBT-GF25(FR30+40) | | | | 1.0 | 350.0 | mg | |
| Substance | 3 | Nitrogen compounds - ISO 1043-4 code #FR(30) | Supplier | 1043-4-FR30 | 10.0 | 1.0 | 35.0 | mg | |
| Substance | 3 | 1,4-Benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol | Supplier | 30965-26-5 | 24.5 | 1.0 | 85.75 | mg | |
| Substance | 3 | 1,4-Benzenedicarboxylic acid, polymer with 1,4-butanediol | Supplier | 26062-94-2 | 24.5 | 1.0 | 85.75 | mg | |
| Substance | 3 | 1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, compd. with 1,3,5-triazine-2,4,6-triamine (1:1) | Supplier | 37640-57-6 | 5.0 | 1.0 | 17.5 | mg | |
| Substance | 3 | Contains No Reportable TE5081-2 Substances | Supplier | TE5081-2-1212 | 1.0 | 1.0 | 3.5 | mg | |
| Substance | 3 | Halogen-free organic phosphorus flame retardant - ISO 1043-4 code #FR(40) | Supplier | 1043-4-FR40 | 10.0 | 1.0 | 35.0 | mg | |
| Substance | 3 | Glass, oxide, chemicals | Supplier | 65997-17-3 | 25.0 | 1.0 | 87.5 | mg | |
| Sub-Item | 1 | CASE | | | | 1.0 | 420.0 | mg | |
| Material | 2 | PBT-GF25(FR30+40) | | | | 1.0 | 420.0 | mg | |

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|-----------|---|---|----------|---------------|------|-----|---------|----|--|
| Substance | 3 | Nitrogen compounds - ISO 1043-4 code #FR(30) | Supplier | 1043-4-FR30 | 10.0 | 1.0 | 42.0 | mg | |
| Substance | 3 | 1,4-Benzenedicarb oxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol | Supplier | 30965-26-5 | 24.5 | 1.0 | 102.9 | mg | |
| Substance | 3 | 1,4-Benzenedicarb oxylic acid, polymer with 1,4-butanediol | Supplier | 26062-94-2 | 24.5 | 1.0 | 102.9 | mg | |
| Substance | 3 | 1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, compd. with 1,3,5-triazine-2,4,6-triamine (1:1) | Supplier | 37640-57-6 | 5.0 | 1.0 | 21.0 | mg | |
| Substance | 3 | Contains No Reportable TE5081-2 Substances | Supplier | TE5081-2-1212 | 1.0 | 1.0 | 4.2 | mg | |
| Substance | 3 | Halogen-free organic phosphorus flame retradant - ISO 1043-4 code #FR(40) | Supplier | 1043-4-FR40 | 10.0 | 1.0 | 42.0 | mg | |
| Substance | 3 | Glass, oxide, chemicals | Supplier | 65997-17-3 | 25.0 | 1.0 | 105.0 | mg | |
| Sub-Item | 1 | BOBBIN | | | | 1.0 | 180.0 | mg | |
| Material | 2 | PBT-GF30 FR(17) | | | | 1.0 | 180.0 | mg | |
| Substance | 3 | Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17) | Supplier | 1043-4-FR17 | 15.0 | 1.0 | 27.0 | mg | |
| Substance | 3 | Carbon black | Supplier | 1333-86-4 | 1.0 | 1.0 | 1.8 | mg | |
| Substance | 3 | 1,4-Benzenedicarb oxylic acid, polymer with 1,4-butanediol | Supplier | 26062-94-2 | 45.0 | 1.0 | 81.0 | mg | |
| Substance | 3 | Glass, oxide, chemicals | Supplier | 65997-17-3 | 32.0 | 1.0 | 57.6 | mg | |
| Substance | 3 | Antimony oxide (Sb2O3) | Supplier | 1309-64-4 | 7.0 | 1.0 | 12.6 | mg | |
| Sub-Item | 1 | MOVABLE SPRING ASSY | | | | 1.0 | 66.7 | mg | |
| Material | 2 | Tape Contact | | | | 1.0 | 66.7 | mg | |
| Substance | 3 | Nickel | Nickel | 7440-02-0 | 2.7 | 1.0 | 1.8009 | mg | |
| Substance | 3 | Silver | Supplier | 7440-22-4 | 14.3 | 1.0 | 9.5381 | mg | |
| Substance | 3 | Tin | Supplier | 7440-31-5 | 5.0 | 1.0 | 3.335 | mg | |
| Substance | 3 | Copper | Supplier | 7440-50-8 | 77.6 | 1.0 | 51.7592 | mg | |
| Substance | 3 | Gold | Supplier | 7440-57-5 | 0.4 | 1.0 | 0.2668 | mg | |
| Sub-Item | 1 | Solder Rectangular | | | | 1.0 | 25.8 | mg | |
| Material | 2 | Lead-free Solder Bar | | | | 1.0 | 25.8 | mg | |
| Substance | 3 | Tin | Supplier | 7440-31-5 | 99.3 | 1.0 | 25.6194 | mg | |
| Substance | 3 | Copper | Supplier | 7440-50-8 | 0.7 | 1.0 | 0.1806 | mg | |