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|-----------|------------|---------|-----|-----|-----------|------------|-----------------------------------|---------------|------|
| Form Type | Distribute | Version | 2.0 | Ref | IPC 1752A | Sectionals | Manufacturing Info/ Material Info | Subsectionals | D, A |
|-----------|------------|---------|-----|-----|-----------|------------|-----------------------------------|---------------|------|

Supplier Information

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|----------------------|-----------------|---------------------|------------|---------------|--------------------|---------------|---------------------------------|
| Company Name | TE Connectivity | Request Document ID | | Contact Name | Chan, Nelson | Contact Title | Manager Sales, HKG SELL DIR-EMS |
| Company Unique ID | TE Connectivity | Response Date | 2016-12-05 | Contact Email | nelson.chan@te.com | | |
| Contact Phone Number | 852-2738-8751 | | | | | | |

Legal Statement

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|---------------------|------|
| 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 | 382575-2 | Amount | 62.024 | Version | - | Identity | |
| Manufacturer Item Name | 2MM MINI-SHUNT ASSEMBLY 15 AU | 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

Manufacturing Information

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|----------------------|--|-------------------------|----------------|----------------------|--|----------------------|----------------|
| J-STD-020 MSL Rating | | Max Total a Wave Time | | Ramp Rate | | Wave Additional Info | |
| Classification Temp | | Max Wave Solder Time | 0.0 | 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 | 2MM SHUNT HOUSING | | | | 0.1 | 570.0 | mg | |
| Material | 2 | PBT-I-GF30-FR(17) | | | | 0.1 | 570.0 | mg | |
| Substance | 3 | Dolomite (CaMg(CO3)2) | Supplier | 16389-88-1 | 0.5 | 0.1 | 2.85 | mg | |
| Substance | 3 | Glass, oxide, chemicals | Supplier | 65997-17-3 | 35.0 | 0.1 | 199.5 | 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 | 0.1 | 1.14 | mg | |
| Substance | 3 | Furan, tetrahydro- | Supplier | 109-99-9 | 0.2 | 0.1 | 1.14 | mg | |
| Substance | 3 | Contains No Reportable TE5081-2 Substances | Supplier | TE5081-2-1212 | 3.0 | 0.1 | 17.1 | mg | |

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|-----------|---|---|---------------------------|---------------|--------|-----|-----------|----|--|
| Substance | 3 | Talc (Mg3H2(SiO3)4) | Supplier | 14807-96-6 | 2.0 | 0.1 | 11.4 | mg | |
| Substance | 3 | Ethene, 1,1,2,2-tetrafluoro-, homopolymer | Supplier | 9002-84-0 | 1.0 | 0.1 | 5.7 | mg | |
| Substance | 3 | Chlorite-group minerals | Supplier | 1318-59-8 | 0.5 | 0.1 | 2.85 | mg | |
| Substance | 3 | Carbon black | Supplier | 1333-86-4 | 1.0 | 0.1 | 5.7 | mg | |
| Substance | 3 | 1,4-Benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol | Supplier | 30965-26-5 | 36.6 | 0.1 | 208.62 | mg | |
| Substance | 3 | Phosphoric acid, zinc salt (2:3) | Supplier | 7779-90-0 | 0.5 | 0.1 | 2.85 | mg | |
| Substance | 3 | Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17) | Supplier | 1043-4-FR17 | 18.0 | 0.1 | 102.6 | mg | |
| Substance | 3 | Quartz (SiO2) | Supplier | 14808-60-7 | 0.5 | 0.1 | 2.85 | mg | |
| Substance | 3 | 2-Propenenitrile, polymer with ethenylbenzene | Supplier | 9003-54-7 | 1.0 | 0.1 | 5.7 | mg | |
| Sub-Item | 1 | 2MM SHUNT CONTACT 15 AU | | | | 1.0 | 5.024 | mg | |
| Material | 2 | Gold Plate | | | | 1.0 | 0.0094 | mg | |
| Substance | 3 | Gold | Supplier | 7440-57-5 | 99.7 | 1.0 | 0.0093718 | mg | |
| Substance | 3 | Contains No Reportable TE5081-2 Substances | Supplier | TE5081-2-1212 | 0.3 | 1.0 | 2.82E-5 | mg | |
| Material | 2 | Beryllium Copper | | | | 1.0 | 5.0 | mg | |
| Substance | 3 | Beryllium | Supplier | 7440-41-7 | 2.0 | 1.0 | 0.1 | mg | |
| Substance | 3 | Arsenic | Supplier | 7440-38-2 | 0.01 | 1.0 | 5.0E-4 | mg | |
| Substance | 3 | Manganese | Supplier | 7439-96-5 | 0.02 | 1.0 | 0.0010 | mg | |
| Substance | 3 | Cobalt | Supplier | 7440-48-4 | 0.2 | 1.0 | 0.01 | mg | |
| Substance | 3 | Silicon | Supplier | 7440-21-3 | 0.2 | 1.0 | 0.01 | mg | |
| Substance | 3 | Iron | Supplier | 7439-89-6 | 0.4 | 1.0 | 0.02 | mg | |
| Substance | 3 | Antimony | Supplier | 7440-36-0 | 0.01 | 1.0 | 5.0E-4 | mg | |
| Substance | 3 | Aluminum | Supplier | 7429-90-5 | 0.2 | 1.0 | 0.01 | mg | |
| Substance | 3 | Chromium | Supplier | 7440-47-3 | 0.0010 | 1.0 | 5.0E-5 | mg | |
| Substance | 3 | Copper | Supplier | 7440-50-8 | 96.649 | 1.0 | 4.83245 | mg | |
| Substance | 3 | Lead | Lead/Lead Compounds | 7439-92-1 | 0.1 | 1.0 | 0.0050 | mg | |
| Substance | 3 | Nickel | Nickel | 7440-02-0 | 0.2 | 1.0 | 0.01 | mg | |
| Substance | 3 | Cadmium | Cadmium/Cadmium Compounds | 7440-43-9 | 0.0050 | 1.0 | 2.5E-4 | mg | |
| Substance | 3 | Mercury | Mercury/Mercury Compounds | 7439-97-6 | 5.0E-4 | 1.0 | 2.5E-5 | mg | |
| Material | 2 | Nickel Plate | | | | 1.0 | 0.0146 | mg | |
| Substance | 3 | Contains No Reportable TE5081-2 Substances | Supplier | TE5081-2-1212 | 0.2 | 1.0 | 2.92E-5 | mg | |
| Substance | 3 | Lead | Lead/Lead Compounds | 7439-92-1 | 0.1 | 1.0 | 1.46E-5 | mg | |
| Substance | 3 | Nickel | Nickel | 7440-02-0 | 99.7 | 1.0 | 0.0145562 | mg | |