



|                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                             |                                            |                           |                      |                                |                      |                          |                      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------|----------------------|--------------------------------|----------------------|--------------------------|----------------------|------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <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>  | Benfer, David W                | <b>Contact Title</b> | Prod Compliance Engineer |                      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Company Unique ID</b>                                                                                                                                                                                                                                                                                                                    | TE Connectivity                                                                                                                                             | <b>Response Date</b>                       | 2017-01-07                | <b>Contact Email</b> | dave.benfer@te.com             |                      |                          |                      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Contact Phone Number</b>                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                             | 717-986-3725                               |                           |                      |                                |                      |                          |                      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <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>                                                                                                                                                                                                                                                                                                             | 84952-9                                                                                                                                                     | <b>Amount</b>                              | 358.923501                | <b>Version</b>       | -                              | <b>Identity</b>      |                          |                      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Manufacturer Item Name</b>                                                                                                                                                                                                                                                                                                               | 1MM FPC<br>HORZ.BTTM<br>CONT.ASS.9P                                                                                                                         | <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-1215</b>                                                                                                                                                                                                                                                                                                                         | REACH Candidate Substances of Very High Concern 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                                                                                                                                                           | HOLD DOWN,1MM FPC,HORZ                     |                           |                      |                                | 2.0                  | 11.2647                  | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Material                                                                                                                                                                                                                                                                                                                                    | 2                                                                                                                                                           | Phos Bronze                                |                           |                      |                                | 2.0                  | 11.0056119               | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Copper                                     | Supplier                  | 7440-50-8            | 94.6985                        | 2.0                  | 10.42215                 | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Manganese                                  | Supplier                  | 7439-96-5            | 0.02                           | 2.0                  | 0.00220112               | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Chromium                                   | Supplier                  | 7440-47-3            | 0.01                           | 2.0                  | 0.00110056               | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Tin                                        | Supplier                  | 7440-31-5            | 4.5                            | 2.0                  | 0.49525                  | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Arsenic                                    | Supplier                  | 7440-38-2            | 0.0050                         | 2.0                  | 5.5028E-4                | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Iron                                       | Supplier                  | 7439-89-6            | 0.1                            | 2.0                  | 0.01100561               | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Antimony                                   | Supplier                  | 7440-36-0            | 0.01                           | 2.0                  | 0.00110056               | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Beryllium                                  | Supplier                  | 7440-41-7            | 0.0010                         | 2.0                  | 1.1006E-4                | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Zinc                                       | Supplier                  | 7440-66-6            | 0.3                            | 2.0                  | 0.03301684               | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Phosphorus                                 | Supplier                  | 7723-14-0            | 0.1                            | 2.0                  | 0.01100561               | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Cobalt                                     | Supplier                  | 7440-48-4            | 0.1                            | 2.0                  | 0.01100561               | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Cadmium                                    | Cadmium/Cadmium Compounds | 7440-43-9            | 0.0050                         | 2.0                  | 5.5028E-4                | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Lead                                       | Lead/Lead Compounds       | 7439-92-1            | 0.05                           | 2.0                  | 0.00550281               | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Nickel                                     | Nickel                    | 7440-02-0            | 0.1                            | 2.0                  | 0.01100561               | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Mercury                                    | Mercury/Mercury Compounds | 7439-97-6            | 5.0E-4                         | 2.0                  | 5.502806E-5              | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Material                                                                                                                                                                                                                                                                                                                                    | 2                                                                                                                                                           | Tin Plate                                  |                           |                      |                                | 2.0                  | 0.2590881                | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Zinc                                       | Supplier                  | 7440-66-6            | 0.35                           | 2.0                  | 9.0681E-4                | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Tin                                        | Supplier                  | 7440-31-5            | 97.85                          | 2.0                  | 0.25352                  | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Copper                                     | Supplier                  | 7440-50-8            | 1.5                            | 2.0                  | 0.00388632               | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Contains No Reportable TE5081-2 Substances | Supplier                  | TE5081-2-1212        | 0.2                            | 2.0                  | 5.1818E-4                | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Lead                                       | Lead/Lead Compounds       | 7439-92-1            | 0.1                            | 2.0                  | 2.5909E-4                | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sub-Item                                                                                                                                                                                                                                                                                                                                    | 1                                                                                                                                                           | 1MM FPC BTTM HOR CONT-LEADFREE             |                           |                      |                                | 9.0                  | 9.329                    | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Material                                                                                                                                                                                                                                                                                                                                    | 2                                                                                                                                                           | Tin Plate                                  |                           |                      |                                | 9.0                  | 0.208                    | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Substance                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                                                                           | Lead                                       | Lead/Lead Compounds       | 7439-92-1            | 0.07                           | 9.0                  | 1.456E-4                 | mg                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|           |   |                                                               |                           |                |         |     |            |    |  |
|-----------|---|---------------------------------------------------------------|---------------------------|----------------|---------|-----|------------|----|--|
| Substance | 3 | Contains No Reportable TE5081-2 Substances                    | Supplier                  | TE5081-2-1212  | 0.2     | 9.0 | 4.16E-4    | mg |  |
| Substance | 3 | Tin                                                           | Supplier                  | 7440-31-5      | 99.73   | 9.0 | 0.20744    | mg |  |
| Material  | 2 | Nickel Plate                                                  |                           |                |         | 9.0 | 0.161      | mg |  |
| Substance | 3 | Contains No Reportable TE5081-2 Substances                    | Supplier                  | TE5081-2-1212  | 0.2     | 9.0 | 3.22E-4    | mg |  |
| Substance | 3 | Lead                                                          | Lead/Lead Compounds       | 7439-92-1      | 0.1     | 9.0 | 1.61E-4    | mg |  |
| Substance | 3 | Nickel                                                        | Nickel                    | 7440-02-0      | 99.7    | 9.0 | 0.16052    | mg |  |
| Material  | 2 | Phos Bronze                                                   |                           |                |         | 9.0 | 8.96       | mg |  |
| Substance | 3 | Cobalt                                                        | Supplier                  | 7440-48-4      | 0.1     | 9.0 | 0.00896    | mg |  |
| Substance | 3 | Antimony                                                      | Supplier                  | 7440-36-0      | 0.01    | 9.0 | 8.96E-4    | mg |  |
| Substance | 3 | Zinc                                                          | Supplier                  | 7440-66-6      | 0.2     | 9.0 | 0.01792    | mg |  |
| Substance | 3 | Arsenic                                                       | Supplier                  | 7440-38-2      | 0.0050  | 9.0 | 4.48E-4    | mg |  |
| Substance | 3 | Copper                                                        | Supplier                  | 7440-50-8      | 90.0485 | 9.0 | 8.06835    | mg |  |
| Substance | 3 | Manganese                                                     | Supplier                  | 7439-96-5      | 0.02    | 9.0 | 0.001792   | mg |  |
| Substance | 3 | Phosphorus                                                    | Supplier                  | 7723-14-0      | 0.35    | 9.0 | 0.03136    | mg |  |
| Substance | 3 | Beryllium                                                     | Supplier                  | 7440-41-7      | 0.0010  | 9.0 | 8.96E-5    | mg |  |
| Substance | 3 | Iron                                                          | Supplier                  | 7439-89-6      | 0.1     | 9.0 | 0.00896    | mg |  |
| Substance | 3 | Chromium                                                      | Supplier                  | 7440-47-3      | 0.01    | 9.0 | 8.96E-4    | mg |  |
| Substance | 3 | Tin                                                           | Supplier                  | 7440-31-5      | 9.0     | 9.0 | 0.8064     | mg |  |
| Substance | 3 | Nickel                                                        | Nickel                    | 7440-02-0      | 0.1     | 9.0 | 0.00896    | mg |  |
| Substance | 3 | Mercury                                                       | Mercury/Mercury Compounds | 7439-97-6      | 5.0E-4  | 9.0 | 4.48E-5    | mg |  |
| Substance | 3 | Cadmium                                                       | Cadmium/Cadmium Compounds | 7440-43-9      | 0.0050  | 9.0 | 4.48E-4    | mg |  |
| Substance | 3 | Lead                                                          | Lead/Lead Compounds       | 7439-92-1      | 0.05    | 9.0 | 0.00448    | mg |  |
| Sub-Item  | 1 | ACTUATOR 9 POSITION                                           |                           |                |         | 1.0 | 88.410401  | mg |  |
| Material  | 2 | PA6T/66-GF30FR(16+72)                                         |                           |                |         | 1.0 | 88.410401  | mg |  |
| Substance | 3 | Benzene, ethenyl-, homopolymer, brominated                    | Supplier                  | 88497-56-7     | 25.0    | 1.0 | 22.1026    | mg |  |
| Substance | 3 | Boric acid, zinc salt                                         | Supplier                  | 1332-07-6      | 5.0     | 1.0 | 4.42052    | mg |  |
| Substance | 3 | Carbon black                                                  | Supplier                  | 1333-86-4      | 3.0     | 1.0 | 2.65231    | mg |  |
| Substance | 3 | Contains No Reportable TE5081-2 Substances                    | Supplier                  | TE5081-2-1212  | 0.5     | 1.0 | 0.44205    | mg |  |
| Substance | 3 | Glass, oxide, chemicals                                       | Supplier                  | 65997-17-3     | 35.0    | 1.0 | 30.94364   | mg |  |
| Substance | 3 | Polyamide Homologous Polymer Series - ISO 1043-1 Term PA6T/66 | Supplier                  | 1043-1-PA6T/66 | 31.5    | 1.0 | 27.84928   | mg |  |
| Sub-Item  | 1 | 9 POS 1.0MM FPC CONN,HOUSING                                  |                           |                |         | 1.0 | 164.0227   | mg |  |
| Material  | 2 | LCP-GF30                                                      |                           |                |         | 1.0 | 164.0227   | mg |  |
| Substance | 3 | Lead                                                          | Lead/Lead Compounds       | 7439-92-1      | 0.041   | 1.0 | 0.06724931 | mg |  |
| Substance | 3 | Glass, oxide, chemicals                                       | Supplier                  | 65997-17-3     | 30.0    | 1.0 | 49.20681   | mg |  |
| Substance | 3 | Contains No Reportable TE5081-2 Substances                    | Supplier                  | TE5081-2-0506  | 1.0     | 1.0 | 1.64023    | mg |  |
| Substance | 3 | Liquid Crystal Polymer - ISO 1043-1 Term LCP                  | Supplier                  | 1043-1-LCP     | 68.959  | 1.0 | 113.10841  | mg |  |