


MATERIAL DECLARATION SHEET



| | | | | |
|-----------------|---------------------------------|-----|-----|---|
| Material Number | 3547S-1xG-xxxx 3547S-1xH-xxx | | |  |
| Product Line | Sensors & Controls | | | |
| Compliance Date | 2/12/2025 | | | |
| RoHs Compliant | Yes | MSL | N/A | |

| No. | Construction Element(subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material | CASRN | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|-------------------------------|----------------------|---------------------|---|---------------|------------------|-----------------------------------|-------------------------------|
| | | | | Substances | if applicable | | | |
| 1 | Hex Nut | Brass C260 | 0.0819 | Copper | 7440-50-8 | 70 | 0.190 | 0.27 |
| | | | | Zinc | 7440-66-6 | 30 | 0.0813 | |
| | | Plating | 0.0001 | Nickel | 7440-02-0 | 100 | 0.0003 | 0.0003 |
| 2 | Lockwasher | Stainless Steel 304 | 0.05 | Carbon | 7440-44-0 | 0.18 | 0.0003 | 0.17 |
| | | | | Manganese | 7439-96-5 | 2 | 0.003 | |
| | | | | Phosphorus | 7723-14-0 | 0.045 | 0.00007 | |
| | | | | Sulfur | 7704-34-9 | 0.03 | 0.00005 | |
| | | | | Silicon | 7440-21-3 | 0.75 | 0.001 | |
| | | | | Chromium | 7440-47-3 | 17 | 0.03 | |
| | | | | Nickel | 7440-02-0 | 8 | 0.01 | |
| | | | | Iron | 7439-89-6 | 71.995 | 0.12 | |
| | | Plating | 0.0001 | Nickel | 7440-02-0 | 100 | 0.0003 | 0.0003 |
| 3 | Terminal Wiper | Brass C260 | 0.3000 | Copper | 7440-50-8 | 70 | 0.190 | 0.99 |
| | | | | Zinc | 7440-66-6 | 30 | 0.30 | |
| | | Under Plating | 0.0120 | Nickel | 7440-02-0 | 100 | 0.040 | |
| | | Finish Plating | 0.0274 | Gold | 7440-57-5 | 100 | 0.091 | |
| 4 | Cover | GS-51 Nylatron | 1.642004 | Nylon 6.6 (polyhexamethylene adipamide) | 32131-17-2 | 66 | 3.59 | 5.44 |
| | | | | Glass Fiber | 65997-17-3 | 32 | 1.74 | |

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|----|---------------|---------------------------|-----------|--|------------|------|---------|--------|
| | | | | Molybdenum Disulfide | 1317-33-5 | 2 | 0.11 | |
| 5 | Housing | ShinKong compound (Black) | 7.893 | PBT | 26062-94-2 | 53.7 | 14.03 | 26.13 |
| | | | | Glass Fiber | 65997-17-3 | 30 | 7.8390 | |
| | | | | Brominated Epoxy Resin | 68928-70-1 | 10.5 | 2.7437 | |
| | | | | Antimony Trioxide | 1309-64-4 | 3 | 0.7839 | |
| | | | | Pigment Blue 15 | 147-14-8 | 0.8 | 0.2090 | |
| | | | | Further Additives, not to declare | N/A | 2 | 0.5226 | |
| 6 | Varnish | Varnish | 0.052 | Phenolic Resin | 9003-35-4 | 100 | 0.1721 | 0.17 |
| 7 | Mandrel Wire | Annealed Copper Wire | 1.6848122 | Copper | 7440-50-8 | 100 | 5.58 | 5.58 |
| | | Coating | 0.0000312 | Polyamide | 63428-83-1 | 100 | 0.00010 | 0.0001 |
| 8 | Resist Wire | Nickel/Chromium Alloy | 0.13414 | Nickel | 7440-02-0 | 74 | 0.33 | 0.44 |
| | | | | Copper | 7440-50-8 | 1 | 0.004 | |
| | | | | Chromium | 7440-47-3 | 21 | 0.09 | |
| | | | | Aluminum | 7429-90-5 | 1 | 0.004 | |
| | | | | Silicon | 7440-21-3 | 1 | 0.004 | |
| | | | | Cobalt | 7440-48-4 | 1 | 0.004 | |
| | | | | Manganese | 7439-96-5 | 1 | 0.004 | |
| 9 | Collector Bar | Nickel/Silver C762 | 0.063 | Copper | 7440-50-8 | 55 | 0.115 | 0.21 |
| | | | | Nickel | 7440-02-0 | 18 | 0.04 | |
| | | | | Zinc | 7440-66-6 | 27 | 0.0563 | |
| | | Plating | 0.002 | Gold | 7440-57-5 | 100 | 0.007 | 0.007 |
| 10 | Lube | NYE N799 | 0.1 | Decanoic acid, mixed esters with heptanoic acid, octanoic acid, trimethylolpropane | 68130-53-0 | 54.4 | 0.18 | 0.33 |

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|----|---------------|-----------------|-----------|--|-------------|------|--------|-------|
| | | | | Lithium 12-hydroxystearate | 7620-77-1 | 5.7 | 0.019 | |
| | | | | Isohexadecyl-isoctadecanoate | 52006-45-8 | 33.7 | 0.11 | |
| | | | | Polyisobutylene | 9003-27-4 | 6.2 | 0.021 | |
| 11 | Lube | NYE 774F | 0.00815 | 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated | 68649-12-7 | 58.8 | 0.016 | 0.03 |
| | | | | 1-Propene, polymer with ethene | 9010-79-1 | 30.8 | 0.008 | |
| | | | | Silica, amorphous fumed | 112945-52-5 | 5.4 | 0.001 | |
| | | | | Ethene, tetrafluoro-, homopolymer | 9002-84-0 | 5 | 0.001 | |
| 12 | Epoxy | BLUE EPOXY E940 | 0.00563 | PBT | 26062-94-2 | 53.7 | 0.010 | 0.019 |
| | | | | Glass Fiber | 65997-17-3 | 30 | 0.0056 | |
| | | | | Brominated Epoxy Resin | 68928-70-1 | 10.5 | 0.002 | |
| | | | | Antimony Trioxide | 1309-64-4 | 3 | 0.0006 | |
| | | | | Pigment Blue 15 | 147-14-8 | 0.8 | 0.0001 | |
| | | | | Further Additives, not to declare | N/A | 2 | 0.0004 | |
| 13 | Rotor Molded | GS-51 Nylatron | 2.531045 | Nylon 6.6 (polyhexamethylene adipamide) | 32131-17-2 | 66 | 5.53 | 8.38 |
| | | | | Glass Fiber | 65997-17-3 | 32 | 2.68 | |
| | | | | Molybdenum Disulfide | 1317-33-5 | 2 | 0.168 | |
| 14 | Slider Molded | GS-51 Nylatron | 0.7937866 | Nylon 6.6 (polyhexamethylene adipamide) | 32131-17-2 | 66 | 1.734 | 2.63 |

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|------|----------------|---------------------------|------------|-----------------------------|------------|-----------|----------|----------|------|
| | | | | Glass Fiber | 65997-17-3 | 32 | 0.841 | | |
| | | | | Molybdenum Disulfide | 1317-33-5 | 2 | 0.053 | | |
| 15 | Lid Molded | ShinKong compound (Black) | 2.2112628 | Epoxy Resin | 25068-38-6 | 64 | 4.685 | 7.32 | |
| | | | | Antimony Trioxide | 1309-64-4 | 11 | 0.805 | | |
| | | | | Aluminum Oxide | 1344-28-1 | 10 | 0.732 | | |
| | | | | Kaolin Clay | 1332-58-7 | 6 | 0.439 | | |
| | | | | Magnesium Aluminum Silicate | 1327-43-1 | 9 | 0.659 | | |
| 16 | Contact Spring | Pfinodal 7 C72900 | 0.01 | Copper | 7440-50-8 | 72.875 | 0.02 | 0.03 | |
| | | | | Lead | 7439-92-1 | 0.025 | 0.00001 | | |
| | | | | Iron | 7439-89-6 | 0.3 | 0.0001 | | |
| | | | | Nickel | 7440-02-0 | 21 | 0.0070 | | |
| | | | | Cobalt | 7440-48-4 | 0.25 | 0.000 | | |
| | | | | Tin | 7440-31-5 | 5.1 | 0.001688 | | |
| | | | | Manganese | 7439-96-5 | 0.3 | 0.000099 | | |
| | Misc | Not to declare | 0.15 | 0.000050 | | | | | |
| | | | Paliney #6 | 0.003 | Palladium | 7440-05-3 | 39.8 | 0.003953 | 0.01 |
| | | | | | Silver | 7440-22-4 | 33.9 | 0.003367 | |
| | | | | | Copper | 7440-50-8 | 24.2 | 0.002403 | |
| | | | | | Platinum | 7440-06-4 | 0.5 | 0.000050 | |
| | | | | | Nickel | 7440-02-0 | 1.59 | 0.000158 | |
| Zinc | | | | | 7440-66-6 | 0.01 | 0.000001 | | |
| 17 | Shaft | Stainless Steel 303 | 6.89 | Carbon | 7440-44-0 | 0.15 | 0.03 | 22.81 | |
| | | | | Manganese | 7439-96-5 | 2 | 0.46 | | |
| | | | | Phosphorus | 7723-14-0 | 0.2 | 0.05 | | |
| | | | | Sulfur | 7704-34-9 | 0.15 | 0.03 | | |
| | | | | Silicon | 7440-21-3 | 0.9 | 0.21 | | |
| | | | | Chromium | 7440-47-3 | 18 | 4.11 | | |
| | | | | Nickel | 7440-02-0 | 9 | 2.05 | | |

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| | | | | | | | | |
|----|------------------|---------------------|--------|-------------|-----------|-------|----------|--------|
| | | | | Iron | 7439-89-6 | 69 | 15.74 | |
| | | | | Molybdenum | 7439-98-7 | 0.6 | 0.14 | |
| 18 | Washer x2 | Stainless Steel 301 | 0.002 | Carbon | 7440-44-0 | 0.15 | 0.00001 | 0.0066 |
| | | | | Manganese | 7439-96-5 | 2 | 0.0001 | |
| | | | | Phosphorus | 7723-14-0 | 0.05 | 0.000003 | |
| | | | | Sulfur | 7704-34-9 | 0.03 | 0.000002 | |
| | | | | Silicon | 7440-21-3 | 1.00 | 0.00007 | |
| | | | | Chromium | 7440-47-3 | 17.00 | 0.0011 | |
| | | | | Nickel | 7440-02-0 | 7.00 | 0.0021 | |
| | | | | Iron | 7439-89-6 | 72.78 | 0.0217 | |
| 19 | Retaining Ring | Stainless Steel 420 | 0.009 | Carbon | 7440-44-0 | 0.15 | 0.0000 | 0.03 |
| | | | | Manganese | 7439-96-5 | 1.00 | 0.0003 | |
| | | | | Silicon | 7440-21-3 | 1.00 | 0.0003 | |
| | | | | Phosphorous | 7723-14-0 | 0.04 | 0.00001 | |
| | | | | Sulfur | 7704-34-9 | 0.30 | 0.00009 | |
| | | | | Chromium | 7440-47-3 | 14.00 | 0.004 | |
| | | | | Iron | 7439-89-6 | 83.51 | 0.025 | |
| 20 | Bushing | Phosphor Bronze 544 | 3.71 | Lead | 7440-31-5 | 3.00 | 0.368 | 12.28 |
| | | | | Tin | 7439-92-1 | 0.10 | 0.012 | |
| | | | | Zinc | 7440-66-6 | 4.50 | 0.553 | |
| | | | | Iron | 7439-89-6 | 4.50 | 0.553 | |
| | | | | Phosphorus | 7723-14-0 | 0.50 | 0.061 | |
| | | | | Copper | 7440-50-8 | 87.40 | 10.735 | |
| 21 | T.R. Terminal x2 | Nickel/Silver C752 | 0.164 | Copper | 7440-50-8 | 65.00 | 0.353 | 0.54 |
| | | | | Nickel | 7440-02-0 | 18.00 | 0.098 | |
| | | | | Zinc | 7440-66-6 | 17.00 | 0.092 | |
| | | Solder Inlay | 0.0001 | Silver | 7440-22-4 | 56.00 | 0.0002 | 0.0003 |
| | | | | Copper | 7440-50-8 | 22.00 | 0.0001 | |

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|----|----------------|-------------------------|-------------|--|-----------------|--------|---------|-------|
| | | | | Zinc | 7440-66-6 | 17.00 | 0.00006 | |
| | | | | Tin | 7440-31-5 | 5.00 | 0.00002 | |
| | | Plating | 0.00074 | Gold | 7440-57-5 | 100.00 | 0.002 | 0.002 |
| 22 | T.R. Pin Strip | Nickel Silver CDA752 | 0.249 | Nickel | 7440-02-0 | 18.00 | 0.148 | 0.824 |
| | | | | Copper | 7440-50-8 | 65.00 | 0.536 | |
| | | | | Zinc | 7440-66-6 | 17.00 | 0.140 | |
| 23 | Terminal Cover | GS-51 Nylatron | 1.367581 | Nylon 6.6 (polyhexamethylene adipamide) | 32131-17- 2 | 66.00 | 2.988 | 4.53 |
| | | | | Glass fiber | 65997-17- 3 | 32.00 | 1.449 | |
| | | | | Molybdenum disulfide | 1317-33-5 | 2.00 | 0.091 | |
| 24 | Tab | Silver Alloy A56T | 0.013312288 | Silver | 7440-22-4 | 56.00 | 0.0247 | 0.04 |
| | | | | Copper | 7440-50-8 | 22.00 | 0.0097 | |
| | | | | Zinc | 7440-66-6 | 17.00 | 0.0075 | |
| | | | | Tin | 7440-31-5 | 5.00 | 0.0022 | |
| | | Strip | 0.1924 | Nickel | 7440-02-0 | 100.00 | 0.0441 | 0.64 |
| 26 | Lid Resin | Valox 420 | 0.003 | PBT | 30965-26- 5 | 55.00 | 0.0055 | 0.01 |
| | | | | Glass Fiber | 65997-17- 3 | 30.00 | 0.0030 | |
| | | | | Antimony Trioxide | 1309-64-4 | 4.00 | 0.0004 | |
| | | | | Brominated FR (TBBPA polycarbonate polymer) | trade secret | 11.00 | 0.0011 | |
| 27 | O-Ring x2 | Silicon Rubber | 0.03 | Silicon Rubber | 63394-02- 5 | 100.00 | 0.0993 | 0.10 |
| | | Total weight | 30.2065 | | | | | |

This Document was updated on: 2/12/2025

Important remarks:

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1. It is the responsibility of the user to verify they are accessing the latest version.