



1630 McCarthy Boulevard
Milpitas, CA 95035

August-13

LTM4600 104LD 15mm x 15mm x 2.82mm (TABLE OF MATERIAL DECLARATION)

The LTM4600 is RoHS compliant per EU RoHS Directive 2003/95/EC.

It contains less than 100ppm cadmium (Cd) and less than 1,000ppm of each - lead (Pb), mercury (Hg), hexavalent chromium (Cr+), polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE).

| No. | Part Name | Material Name | Component Weight (gram) | Materials Analysis (element) | CAS Number | Material Mass (gram) | Material Analysis (weight %) |
|----------------------|---------------------------|---------------|-------------------------|--|----------------|----------------------|------------------------------|
| 1 | Substrate | Circuit Board | 0.2124 | Barium Compounds | 7727-43-7 | 0.0032 | 1.50 |
| | | | | Filler Substances (Silica crystalline) | 14808-60-7 | 0.0848 | 39.91 |
| | | | | Copper metal | 7440-50-8 | 0.1190 | 56.00 |
| | | | | Copper compounds | 1328-53-6 | 0.0000 | 0.02 |
| | | | | Ecotoxic substances | 7439-92-1 | 0.0000 | 0.00 |
| | | | | Gold metal or alloy | 7440-57-5 | 0.0010 | 0.46 |
| | | | | Nickel | 7440-02-0 | 0.0045 | 2.10 |
| | | | | Zinc | 7440-66-6 | 0.0000 | 0.01 |
| 2 | Solder Paste | Alloy | 0.0153 | Sn | 7440-31-5 | 0.0145 | 95.00 |
| | | | | Sb | 7440-36-0 | 0.0008 | 5.00 |
| 3 | Passive/Active Components | | 0.5803 | Iron Powder (Fe) | 7439-89-6 | 0.3810 | 65.66 |
| | | | | Copper (Cu) | 7440-50-8 | 0.1236 | 21.30 |
| | | | | Nickel (Ni) | 7440-02-0 | 0.0090 | 1.55 |
| | | | | Tin (Sn) | 7440-31-5 | 0.0055 | 0.95 |
| | | | | Ceramic (Ba) Compounds | 12047-27-7 | 0.0612 | 10.55 |
| 4 | Active ICs | Silicon | 0.0099 | Silicon | 7440-21-3 | 0.0099 | 100.00 |
| 5 | Wire | Gold | 0.0025 | Au | 7440-57-5 | 0.0025 | 99.99 |
| 6 | Encapsulation | Epoxy Resin | 0.9064 | Fused Silica (60-95) | 60676-86-0 | 0.6998 | 77.20 |
| | | | | Epoxy resin (2-20) | non-disclosure | 0.0807 | 8.90 |
| | | | | Phenol resin (2-20) | non-disclosure | 0.0807 | 8.90 |
| | | | | Crytalline Silica (<6) | 14808-60-7 | 0.0272 | 3.00 |
| | | | | Carbon Black (<1) | 1333-86-4 | 0.0045 | 0.50 |
| | | | | Metal Hyrdoxide (<=30) | non-disclosure | 0.0136 | 1.50 |
| Total Package weight | | | 1.7268 | | | | |

Note: Composition derived from MSDS and material C of C from Vendors;
Component Weight based on assembly of generic parts.