n="bottom">

Antimony ($Sb_2O_3$)Copper (Cu)Indium (In)Lead (Pb)Silver (Ag)Tin (Sn) **Substrate Components** Substrate WeightSubstrate MaterialSubstrate Core MaterialBromine-Free

CopperGoldNickelSubstrate Core MaterialSolder MaskTriazolOther **UBM Components** Component Weight

Chromium (Cr)Copper (Cu)Nickel (Ni)Nickel-V (NiV)Titanium (Ti)Titanium-W (TiW)Tungsten (W)Vanadium (V) Top **Passive Component 1** Material Type / PN CodesComponent Weight

Passive Component 1 **Passive Component 2** Material Type / PN CodesComponent Weight

Passive Component 2 **Passive Component 3** Material Type / PN CodesComponent Weight

Passive Component 3 **Passive Component 4** Material Type / PN CodesComponent Weight

Passive Component 4 **Capacitor Components** Component Weight

Ceramic ($BaTiO_3$)Copper (Electrode) **Crystal Components** Component Weight

Silver (Ag)Aluminum (Al)Gold (Au)Chromium (Cr)Lead (Pb)Manganese (Mn)Nickel (Ni)Cobalt (Co)Copper (Cu)Iron (Fe)Silicon (Si)Tin (Sn)Zinc (Zn)Silica ($SiO_2$) **Diode Components** Component Weight

Encapsulant (Phenolic Resin)Gold WireLeadframe (Copper 194)Pellet (Chip)Terminal (SnAgCu) **Optocoupler Components** Component Weight

Die (Chip)Encapsulant (Phenolic Resin)Epoxy (Ag)Gold WireLeadframe (Alloy 42)Potting Resin (Silicone)Terminal Plating (Sn) **Resistor Components** Component Weight

Component Weight **Transformer Components** Component

Weight

Copper$FeO_2$$MnO_3$ZnO

Notes:

1. Lead Form: GW - Gull Wing, TH - Through Hole.
2. Refer to product data sheet to confirm actual wire diameter.
3. 'ND' means None Detected, negligible amount present.

This part is qualified as lead-free.

Parts qualified as lead-free can be manufactured and supplied as lead-free, if and only if, the customer makes such requests to the Maxim Business Units for approval. The navigation bar on the EMMI website contains information regarding the lead-free process (e.g. MSL's, Peak reflow Temperatures, JEDEC methods, frequently asked questions and answers, lead-free package tables, and status/qualification plans for particular package types qualified as lead-free or in the qualification process).

This report was generated on 2020-07-09. For additional information, please visit the Maxim/Dallas Environmental Management and Materials Information website located at:

**http://www.maximintegrated.com/emmi**