

**SUBJECT: MICROPHONES SERIES: WM-034, WM-52, WM-53, WM-54**

**BULLETIN #: PG71.111703**

**Date: 11/17/03**

**LAST TIME ORDER DATE: MARCH 2004**

**LAST TIME SHIPMENT: JUNE 2004**

**SUGGESTED REPLACEMENT: WM-64BC, 64BK, 64MN, 64PN**

**OTHER DETAILS:**

Lead-Free switch over

1. Products: All ECM products
2. Schedule: April 2004  
From April/1, 2004, supply will be Lead-free type only.
3. Change: Solder material for PCB
  - 1) Lead-containing (current products): Sn, Pb
  - 2) Lead-free (since April 2004): Flow & hand soldering -> Sn, Ag, Cu  
: Reflow -> Sn, In, Ag, Bi
4. Sample: Available now
5. Specifications (lead-free):  
The soldering operation of lead-free ECM is described in specification sheet which we recommend and would like you to pay attention.

Pb Free

6. Marking:  
The below marking will be printed on both inner carton box and outer carton box.
7. Evaluation test result  
We confirmed the reliability of lead-free products are the same level as the current ECM, which is based on Sn & Pb (tin & lead).