

**SUBJECT: ECM Product, WM-63GC**

**BULLETIN #: PG71.111703**

**Date: 17 November 2003**

**LAST TIME ORDER DATE: MARCH 2004**

**LAST TIME SHIPMENT: September 2004**

**SUGGESTED REPLACEMENT: WM-63GN, PR**

**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.
6. Marking:  
The below marking will be printed on both inner carton box and outer carton box.

Pb Free
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).