

## MX77 Part Numbers Terminal Material Change Notification

JAE will be changing the plating material to affected part numbers below due to the withdrawal of the material manufacturer (Furukawa Electric Co., Ltd.) from the reflow tin plating business.

Please contact a JAE representative with any questions or requests for documentation.

### 1. Affected Part Numbers

No	Part Numbers	JAE Drawing Number
1	MX77S13K5F1	SJ113565
2	MX77S13K4F2	SJ116307
3	MX77S13K4F1	SJ113566

### 2. Description of Change

Characteristics	Before	After
<b>Material Name</b>	EFCUBE-820	C7035-TM04
<b>Chemical Composition</b>	Cu-2.3Ni-0.65Si-0.5Zn-0.15Sn-0.1Mg-0.15Cr	Cu-1.5Ni-1.1Co-0.6Si
<b>Plating</b>	Reflow tin	
<b>Plating Thickness</b>	0.8 $\mu\text{m}$ Min	
<b>Specific Gravity</b>	8.8	
<b>Electrical Conductivity</b>	38% IACS	50% IACS
<b>Electrical Resistivity</b>	45 $\text{n}\Omega \cdot \text{m}$	34 $\text{n}\Omega \cdot \text{m}$
<b>Modulus Elasticity</b>	110 GPa	120 GPa
<b>Manufacturer</b>	Furukawa Electric Co., Ltd.	DOWA METALTECH Co., Ltd.

### **3. Schedule**

JAE will have a target timeline of Q2 2027 to start shipping parts with the new plating. However, the exact timing will depend on our test schedule and customer approval.

If you need any specific required qualification documentation such as PPAP, please contact your JAE representative with requirements or questions.

Thank you for your cooperation.

