

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
Material Name	EFCUBE-820	C7035-TM04
Chemical Composition	Cu-2.3Ni-0.65Si-0.5Zn-0.15Sn-0.1Mg-0.15Cr	Cu-1.5Ni-1.1Co-0.6Si
Plating	Reflow tin	
Plating Thickness	0.8 μm Min	
Specific Gravity	8.8	
Electrical Conductivity	38% IACS	50% IACS
Electrical Resistivity	45 $\text{n}\Omega \cdot \text{m}$	34 $\text{n}\Omega \cdot \text{m}$
Modulus Elasticity	110 GPa	120 GPa
Manufacturer	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.

