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PRODUCT CHANGE NOTIFICATION

PCN: PCN02282023

Date: Feb 28, 2023

Subject: Changes dry pack shelf life

To: PCN ADMIN

Change Type: Minor

1. Description of Change

SkyHigh announces a change in the Dry Pack shelf life for all products of SHM from 12 months to 24 Months. The dry packing material and method we currently use meet and exceed the 24 months shelf life described in the material datasheet of Al bag and JEDEC shelf life calculation as shown below.

JEDEC J-STD-033D formula

$$M = \frac{(D * U)}{0.304 * MVTR * A}$$

Where M = Months
U = Amount of Desiccant in Units
MVTR = Water Vapor Transmission Rate (grams/100 in²/24 hrs)
A = Total exposed surface area of the MBB in square inch
D = The amount of water in grams, that a unit of desiccant will absorb at 10% RH/25°C

Packing Type	Length (in)	Width (in)	Desiccant	U (25g)	MVTR @90%RH (g/100in ² /24 hrs)	A (in ²)	D (g)	Shelf Life (Months)
Tray	20	11	Molecular Sieve	1	0.0006	440	3.75	47
T&R	19	16	Molecular Sieve	2	0.0006	608	3.75	68

2. Benefit of Change

The 24 months of shelf life will benefit the customer to keep the products with a longer storage time in production

3. Part Number Affected

See the attached 'Affected Parts List' file for all manufacturing part numbers (MPN) affected by this change. Note that any new product introduced after the publication of this PCN will include all changes outlined in the PCN.

4. Approximate Implementation:

SkyHigh will implement this change from the date described in the table below.

Customers may receive a mixed shelf life of 12 or 24 months during the transition period.

Product Type	MPN starts with 'Sxx'	Implementation date	Remark
SLC ONFI	'S34'	April 1 st 2023	Shelf life 12 and 24 Month will be mixed from March 1 st . After April 1 st , only 24months shelf life will be supported.
SLC SPI	'S35'		
eMMC	'S40'	June 1 st 2023	Shelf life 12 and 24 Months will be mixed from May 1 st . After June 1 st , only 24months shelf life will be supported.
MCP	'S6A'		

5. Response Required:

This is an information only announcement. No response is required

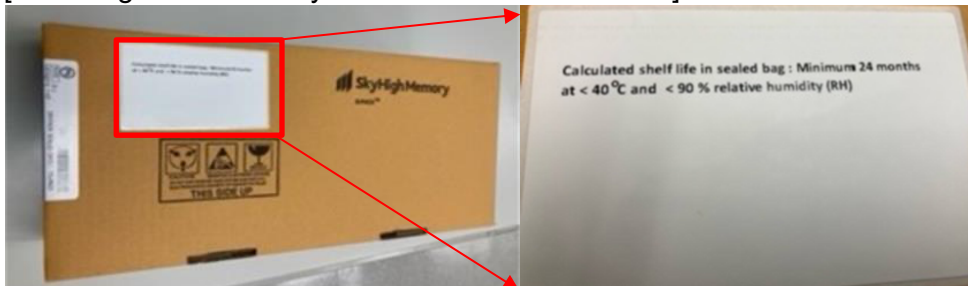
For additional information regarding this change, contact your local sales representative or contact the PCN Administrator at quality@skyhighmemory.com.

Sincerely,
SkyHigh Memory PCN Administration

Appendix]

The way SHM supports this change for the current inventory materials SHM has.

1. SkyHigh will put the double-layer label (2.5 x 4 inches) on the inner box.
[The image of double layered label on the inner box]



2. SkyHigh suggests that customers peel the top layer off when the customer unpacks an inner box and place the label on the dry pack bag.
[The image of putting 24 months label on the dry pack bag]

