

Moisture Barrier Bag change, Shelf Life Extension and Label content update

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Tape and Reel MBB Changes

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Overall Changes

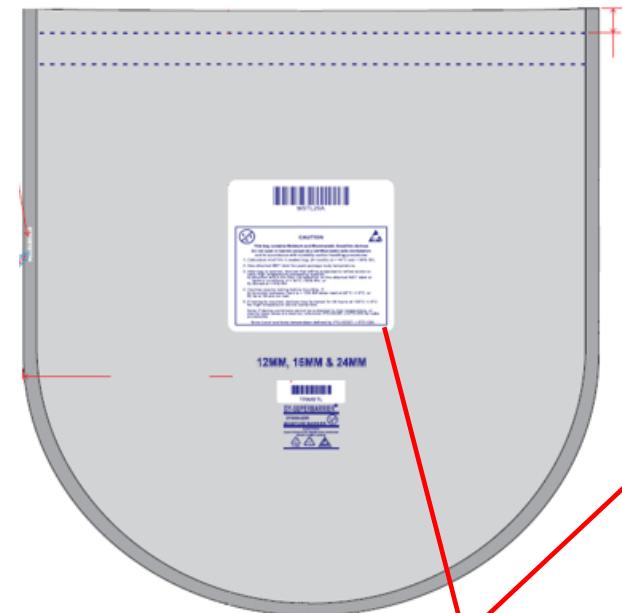
No	Item	Current	Proposed
1	Number of Bags	Single (12,16,24,32,44mm)	1- Small Bag (12mm ,16mm & 24mm) 1- Large Bag (32mm & 44mm)
2	Part Number	420-01571	Small Bag- 420-01909 Large Bag – 420-01908
3	Bag Caution Label Branding	Micron Logo	Small Bag- No Logo Large Bag- No Logo
4a	Bag Caution Label Printing (bullet 1)	Calculated shelf life in sealed bag: 24 months at < 40C and < 90% RH.	Calculated shelf life in sealed bag: 36 months at < 40C and < 90% RH.
4b	Bag Caution Label Printing (bullet 5)	If baking is required, devices may be baked for 48 hours at 125C +/- 5C for high-temperature device containers. Note: If device containers cannot be subjected to high temperature, or shorter bake times are desired, reference IPC/JEDEC J-STD-033 for bake procedures.	If baking is required, devices may be baked at 125C +/- 5C for high-temperature device containers in accordance with IPC/JEDEC J-STD-033 conditions. Note: If device containers cannot be subjected to high temperature, or shorter bake times are desired, reference IPC/JEDEC J-STD-033 for additional bake conditions.
5	Readable Text	No Text	Small Bag - 12MM,16MM & 24MM Large Bag – 32MM & 44MM
6	Barcode text/ Content	TRMSTL25A	Small Bag- TRMSTS Large Bag - TRMSTL
7	Overall Width	Bag – 427mm	Small Bag- 395mm Large Bag – 427mm

Current

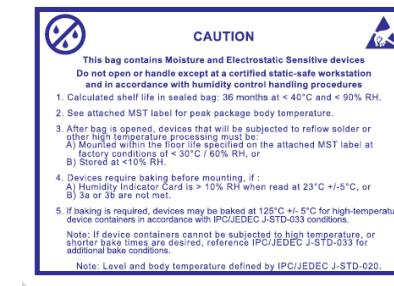
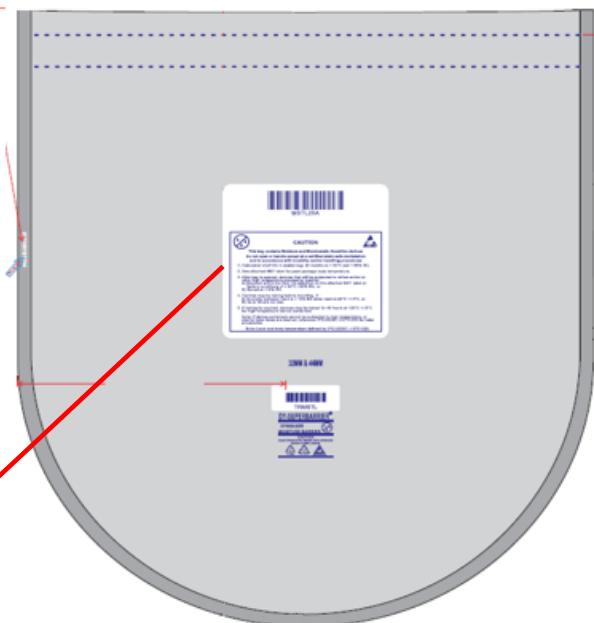


Proposed

Small Bag



Large Bag



Dry Pack MBB Changes

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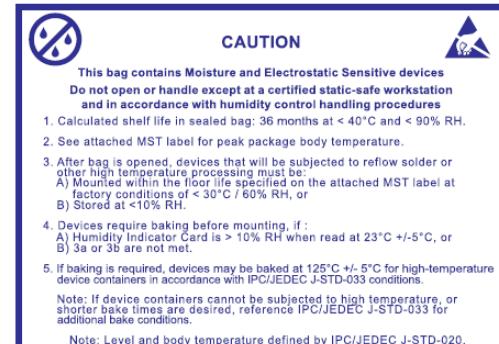


No	Item	Current	Proposed
1	Part Number	420-01512	420-01910
2	Caution Label Logo	Micron Logo	No Logo
3a	Bag Caution Label Printing (bullet 1)	Calculated shelf life in sealed bag: 24 months at < 40C and < 90% RH.	Calculated shelf life in sealed bag: 36 months at < 40C and < 90% RH.
3b	Bag Caution Label Printing (bullet 5)	If baking is required, devices may be baked for 48 hours at 125C +/- 5C for high-temperature device containers. Note: If device containers cannot be subjected to high temperature, or shorter bake times are desired, reference IPC/JEDEC J-STD-033 for bake procedures.	If baking is required, devices may be baked at 125C +/- 5C for high-temperature device containers in accordance with IPC/JEDEC J-STD-033 conditions. Note: If device containers cannot be subjected to high temperature, or shorter bake times are desired, reference IPC/JEDEC J-STD-033 for additional bake conditions.

Current



Proposed



Label Changes

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Current MST Label	Proposed MST Label
<p>235C Peak Package Body Temp Moisture Level: 3 Floor Life: 168 hours Condition: < = 30 deg. C/60% RH</p> <p>260C Peak Package Body Temp Moisture Level: 3 Floor Life: 168 hours Condition: < = 30 deg. C/60% RH</p> <p>Package Seal Date: Apr 02 2017 Operator: LE-LNPAK-RFC</p>  BY2HWH2.31	<p>235C Peak Package Body Temp Moisture Level: 3 Floor Life: 168 hours Condition: < = 30 deg. C/60% RH</p> <p>260C Peak Package Body Temp Moisture Level: 3 Floor Life: 168 hours Condition: < = 30 deg. C/60% RH</p> <p>Package Seal Date: Apr 02 2017</p>  BY2HWH2.31

Rounded MBB folding method

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MBB Folding Method and Box Closing



CURRENT



Proposed

Qualification Items

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No	Test	Result
1	Dimension Verification	Passed
2	Print Comparison	Passed
3	ESD Properties	Passed (50% & 12% RH 1.0E4 to <1.0E11)
4	Drop Testing	Passed per ASTM D5276
5	Site to Site Shipping W/water leak Testing	Passed
6	Automation Line verification	Passed

Note: No changes to Bag material configurations.

