

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

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Tape and Reel MBB Changes

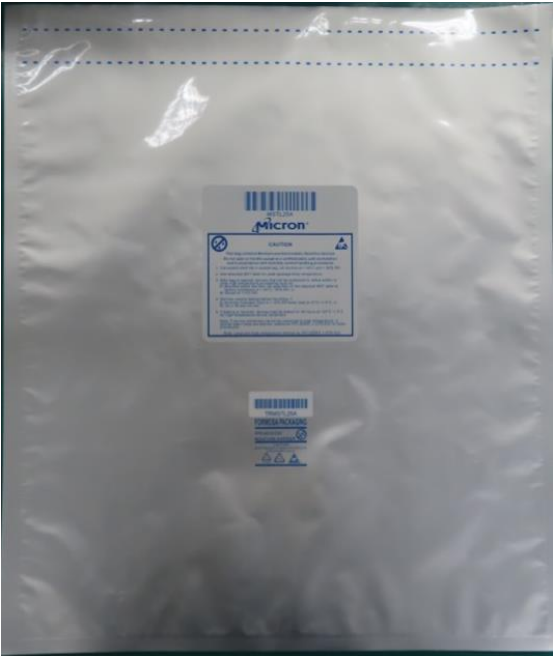
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Overall Changes

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)	<p>If baking is required, devices may be baked for 48 hours at 125C +/- 5C for high-temperature device containers.</p> <p>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.</p>	<p>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.</p> <p>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.</p>
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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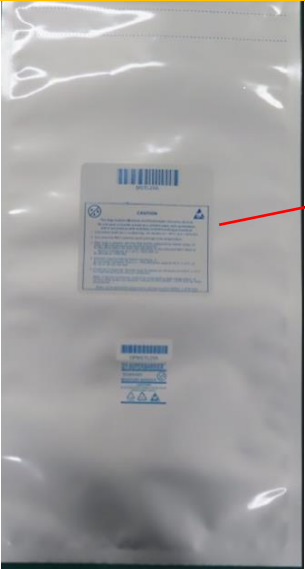


No	Item	Current	Proposed
1	Part Number	420-01512	420-01910
2	Caution Label Logo	Micron Logo	No Logo
3a	Bag Caution Label Printing (bullet 1)	Calculated shelf life in sealed bag: 24 months at < 40C and < 90% RH.	Calculated shelf life in sealed bag: 36 months at < 40C and < 90% RH.
3b	Bag Caution Label Printing (bullet 5)	<p>If baking is required, devices may be baked for 48 hours at 125C +/- 5C for high-temperature device containers.</p> <p>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.</p>	<p>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.</p> <p>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.</p>

Current






Proposed



Label Changes

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

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.



