Product Change Notification / RMES-28FEHU333

## Date:

28-Dec-2022

## Product Category:

Memory

## PCN Type:

Manufacturing Change

## Notification Subject:

CCB 4404.002 and CCB 6051 Final Notice: Qualification of ASSH as a new assembly site and as an additional final test site for 24AA256, 24LC256 and 24FC256 device families available in 8L TSSOP (4.4mm) package.

## Affected CPNs:

RMES-28FEHU333_Affected_CPN_12282022.pdf
RMES-28FEHU333_Affected_CPN_12282022.csv

## Notification Text:

**PCN Status:**Final Notification

**PCN Type:**Manufacturing Change

**Microchip Parts Affected:**Please open one of the files found in the Affected CPNs section.
Note: For your convenience Microchip includes identical files in two formats (.pdf and .xls)

**Description of Change:**Qualification of ASSH as a new assembly site and as an additional final test site for 24AA256, 24LC256 and 24FC256 device families available in 8L TSSOP (4.4mm) package.

**Pre and Post Change Summary:**

| | Pre Change | Post Change |
|---|---|---|

| | | |
|---|---|---|
| Assembly Site | Microchip Technology Thailand (Branch) (MMT) | ATX Semiconductor (Shanghai)Co. Ltd (ASSH) |
| Wire Material | CuPdAu or Au | PdCu |
| Die Attach Material | 2200D | EN-4900G |
| Molding Compound Material | G600V | G700LY |
| Lead-Frame Material | C7025 | C7025 |
| Lead-Frame Paddle Size | 118 x 87 mils or 82x 82 mils | 126 x 87 mils |
| Lead finish | Matte tin | NiPdAu |

| | | **Pre change** | **Post Change** | |
|---|---|---|---|---|
| Final Test Site | | Microchip Technology Thailand<br><br>(HQ) (MTAI) | Microchip Technology Thailand<br><br>(HQ) (MTAI) | ATX Semiconductor (Shanghai)Co. Ltd (ASSH) |
| Pin 1 Orientation – Tube | | White side | White side | Top Left |
| BQM per Tube | | 100 | 100 | 100 |
| Tube/Bag | | 160 tube / bag | 160 tube / bag | 160 tube / bag |
| Tube | Color | Clear | Clear | Clear |
| | Size | With minor dimensional changes. See pre and post change for comparison. | | |
| Packaging Method for Tube | | See pre and post change for comparison. | | |
| Pin 1 Orientation – TnR | | Quadrant 1 | Quadrant 1 | Quadrant 1 |
| BQM per TnR | | 2500 | 2500 | 2500 **or**5000 |
| Cover Tape | | With minor dimensional changes. See pre and post change for comparison. | | |
| Plastic Reel | | With minor dimensional changes. See pre and post change for comparison. | | |
| Packaging Method for Tube | | See pre and post change for comparison. | | |

**Impacts to Data Sheet:**None

**Change Impact**None

**Reason for Change:**To improve manufacturability by qualifying ASSH as a new assembly site and as an additional final test site

**Change Implementation Status:**In progress

**Estimated First Ship Date:**January 10, 2023 (date code: 2302)

Note: Please be advised that after the estimated first ship date customers may receive pre and post

change parts.

**Time Table Summary:**

| | December 2022 | | | | | January 2023 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Workweek | 49 | 50 | 51 | 52 | 53 | 01 | 02 | 03 | 04 | 05 |
| Qual Report Availability | | | | | X | | | | | |
| Final PCN Issue Date | | | | | X | | | | | |
| Estimated Implementation Date | | | | | | | X | | | |

**Method to Identify Change:**Traceability code

**Qualification Reports:**Please open the attachments included with this PCN labeled as PCN_#_Qual_Report_Assembly
Please open the attachments included with this PCN labeled as PCN_#_Qual_Report_Final_Test

**Revision History:December 28, 2022:** Issued final notification. Attached is the qualification report and provided estimated first ship date by January 10, 2023.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

## Attachments:

PCN_RMES-28FEHU333_Pre and Post Change Summary.pdf
PCN_RMES-28FEHU333_Qual_Report_Assembly.pdf
PCN_RMES-28FEHU333_Qual_Report_Final_Test.pdf

Please contact your local Microchip sales office with questions or concerns regarding this notification.

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If you wish to change your PCN profile, including opt out, please go to the PCN home page select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

# QUALIFICATION REPORT SUMMARY

RELIABILITY LABORATORY

## PCN #: RMES-28FEHU333

**Date**
**December 8, 2021**

**Qualification of ASSH as a new assembly site and as an additional final test site for 24AA256, 24LC256 and 24FC256 device families available in 8L TSSOP (4.4mm) package. The 24AA256, 24LC256 and 24FC256 device families available in 8L TSSOP (4.4mm) package will be qualify by similarity (QBS).**

# PACKAGE QUALIFICATION REPORT

| | |
|---|---|
| **Purpose** | **Qualification of ASSH as a new assembly site and as an additional final test site for 24AA256, 24LC256 and 24FC256 device families available in 8L TSSOP (4.4mm) package. The 24AA256, 24LC256 and 24FC256 device families available in 8L TSSOP (4.4mm) package will be qualify by similarity (QBS).** |
| **CCB No.** | 4404 and 4404.002 |
| **CN** | ES353255 |
| **QUAL ID** | R2100296 Rev. C |
| **MP CODE** | 66829Y9CXA00 |
| **Part No.** | 24LC512T-E/ST |
| **Bonding No.** | BDE-006431 Rev. 03 |
| **Package** | |
| **Type** | 8L TSSOP |
| **Package size** | 4.4 mm |
| **Lead Frame** | |
| **Paddle size** | 126 x 87 mils |
| **Material** | C7025 |
| **Surface** | Roughening |
| **Process** | Stamped |
| **Lead Lock** | Yes |
| **Part Number** | LI-WMA400008-05-00 |
| **Treatment** | Roughening |
| **Material** | |
| **Epoxy** | EN-4900G |
| **Wire** | PdCu |
| **Mold Compound** | G700LY |
| **Plating Composition** | NiPdAu |

# PACKAGE QUALIFICATION REPORT

**Manufacturing Information**

| Assembly Lot No. | Wafer Lot No. | Date Code |
|---|---|---|
| ASSH214600052.000 | U08D921068648.300 | 2107KG8 |
| ASSH214500170.000 | U08D921068648.300 | 2106KE6 |
| ASSH214600051.000 | U08D921068648.300 | 2107KG3 |

**Result** [X] Pass [ ] Fail [ ] _____

8L TSSOP assembled by ASSH pass reliability test per QCI-39000.This package was qualified the Moisture/Reflow Sensitivity Classification Level 1 at 260°C reflow temperature per IPC/JEDEC J-STD-020D standard.

# PACKAGE QUALIFICATION REPORT

| Test Number (Reference) | Test Condition | Standard/ Method | Qty. (Acc.) | Def/SS | Result | Remarks |
|---|---|---|---|---|---|---|
| **Precondition Prior Perform Reliability Tests (At MSL Level 1)** | **Electrical Test:** +25°C, 85°C and 125°C<br>System: NEXTEST_PT | JESD22-A113 | 693(0) | 693 | | Good Devices |
| | Bake 150°C, 24 hrs<br>System: CHINEE | JIP/ IPC/JEDEC J-STD-020D | | 693 | | |
| | 85°C/85%RH Moisture Soak 168 hrs.<br>System: TABAI ESPEC Model PR-3SPH | | | 693 | | |
| | 3x Convection-Reflow 265°C max<br>System: Vitronics Soltec MR1243 | | | 693 | | |
| | **Electrical Test:** +25°C, 85°C and 125°C<br>System: NEXTEST_PT | | | 0/693 | Pass | |

# PACKAGE QUALIFICATION REPORT

| Test Number (Reference) | Test Condition | Standard/ Method | Qty. (Acc.) | Def/SS. | Result | Remarks |
|---|---|---|---|---|---|---|
| **Temp Cycle** | **Stress Condition:**<br>-65°C to +150°C, 500 Cycles<br>System: TABAI ESPEC TSA-70H | JESD22-A104 | | 231 | | Parts had been pre-conditioned at 260°C |
| | **Electrical Test:** +85°C and 125°C<br>System: NEXTEST_PT | | 231(0) | 0/231 | Pass | 77 units / lot |
| | **Stress Condition:**<br>-65°C to +150°C, 1000 Cycles<br>System: TABAI ESPEC TSA-70H | | | 231 | | |
| | **Electrical Test:** +85°C and 125°C<br>System: NEXTEST_PT | | 231(0) | 0/231 | Pass | |
| | **Bond Strength:**<br>Wire Pull (> 4.00 grams) | | 15 (0) | 0/15 | Pass | |
| | Bond Shear (> 18.00 grams) | | 15 (0) | 0/15 | Pass | |
| **UNBIASED-HAST** | **Stress Condition:**<br>+130°C/85%RH, 96 hrs.<br>System: HAST 6000X | JESD22-A118 | | 231 | | Parts had been pre-conditioned at 260°C |
| | **Electrical Test:** +25°C<br>System: NEXTEST_PT | | 231(0) | 0/231 | Pass | 77 units / lot |
| | **Stress Condition:**<br>+130°C/85%RH, 192 hrs.<br>System: HAST 6000X | | | 231 | | |
| | **Electrical Test:** + 25°C<br>System: NEXTEST_PT | | 231(0) | 0/231 | Pass | |
| **HAST** | **Stress Condition:**<br>+130°C/85%RH, 96 hrs. **Bias Volt:** 5.0 Volts<br>System: HAST 6000X | JESD22-A110 | | 231 | | Parts had been pre-conditioned at 260°C |
| | **Electrical Test:** +25°C, 85°C and 125°C<br>System: NEXTEST_PT | | 231(0) | 0/231 | Pass | 77 units / lot |
| | **Stress Condition:**<br>+130°C/85%RH,192 hrs. **Bias Volt:** 5.0 Volts<br>System: HAST 6000X | | | 231 | | |
| | **Electrical Test:** +25°C, 85°C and 125°C<br>System: NEXTEST_PT | | 231(0) | 0/231 | Pass | |
| | **Bond Strength:**<br>Wire Pull (> 4.00 grams) | | 15 (0) | 0/15 | Pass | |
| | Bond Shear (> 18.00 grams) | | 15 (0) | 0/15 | Pass | |

# PACKAGE QUALIFICATION REPORT

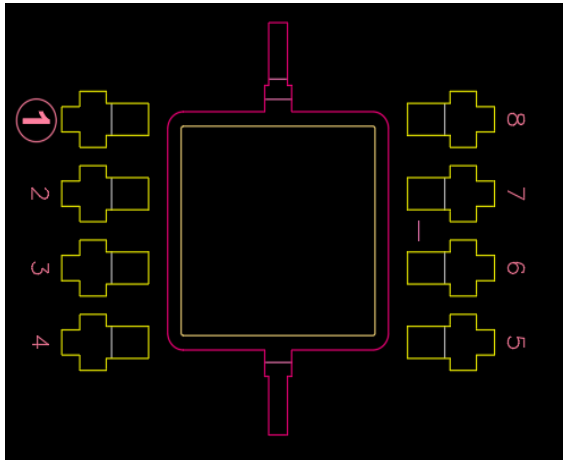
| Test Number (Reference) | Test Condition | Standard/ Method | Qty. (Acc.) | Def/SS. | Result | Remarks |
|---|---|---|---|---|---|---|
| **High Temperature Storage Life** | **Stress Condition:**<br>Bake 175°C, 504 hrs<br>System: SHEL LAB | JESD22-A103 | | 45 | | 45 units |
| | **Electrical Test:** +25°C, 85°C and 125°C<br>System: NEXTEST_PT | | 45(0) | 0/45 | Pass | |
| | **Stress Condition:**<br>Bake 175°C, 1008 hrs<br>System: SHEL LAB | | | 45 | | |
| | **Electrical Test:** +25°C, 85°C and 125°C<br>System: NEXTEST_PT | | 45(0) | 0/45 | Pass | |
| | **Bond Strength:**<br>Wire Pull (> 4.00 grams) | | 15 (0) | 0/15 | Pass | |
| | Bond Shear (> 18.00 grams) | | 15 (0) | 0/15 | Pass | |
| **Bond Strength Data Assembly** | Wire Pull (> 4.00 grams) | Mil. Std. 883-2011 | 30 (0) Wires | 0/30 | Pass | |
| | Bond Shear (> 18.00 grams) | CDF-AEC-Q100-001 | 30 (0) bonds | 0/30 | Pass | |

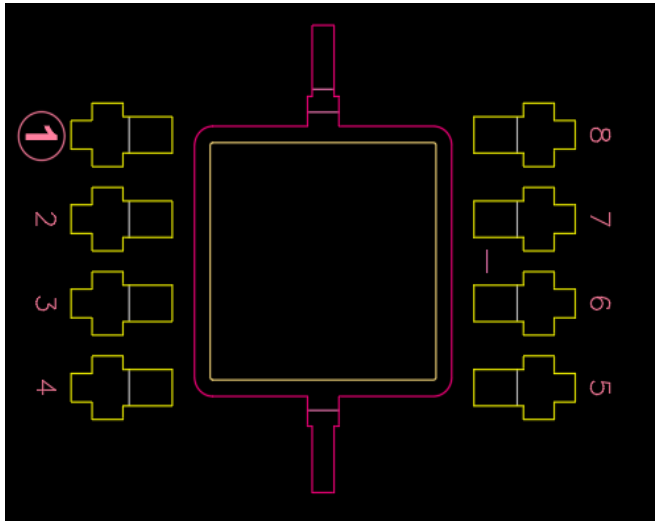
# CCB 4404.002 and CCB 6051 Leadframe comparison PCN #: RMES-28FEHU333

A Leading Provider of Smart, Connected and Secure Embedded Control Solutions

# Pre and Post Change Summary – Lead Frame comparison

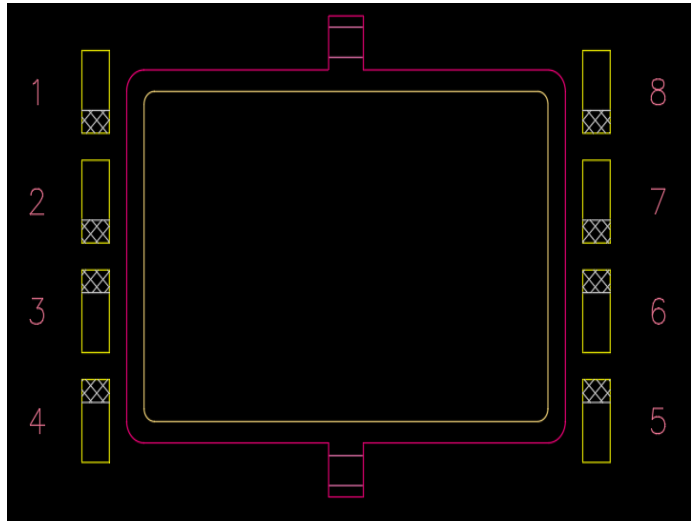
## MMT_Assembly




| | | |
|---|---|---|
| Lead Frame Material | **C7025** | |
| Lead-Frame Paddle Size | **118 x 87 mils** | **82x 82 mils** |
| Lead finish | **Matte tin** | |

## ASSH_Assembly




| | |
|---|---|
| Lead Frame Material | **C7025** |
| Lead-Frame Paddle Size | **126 x 87 mils** |
| Lead finish | **NiPdAu** |



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# CCB 4404.002 and CCB 6051 Packing Materials for Tube PCN #: RMES-28FEHU333

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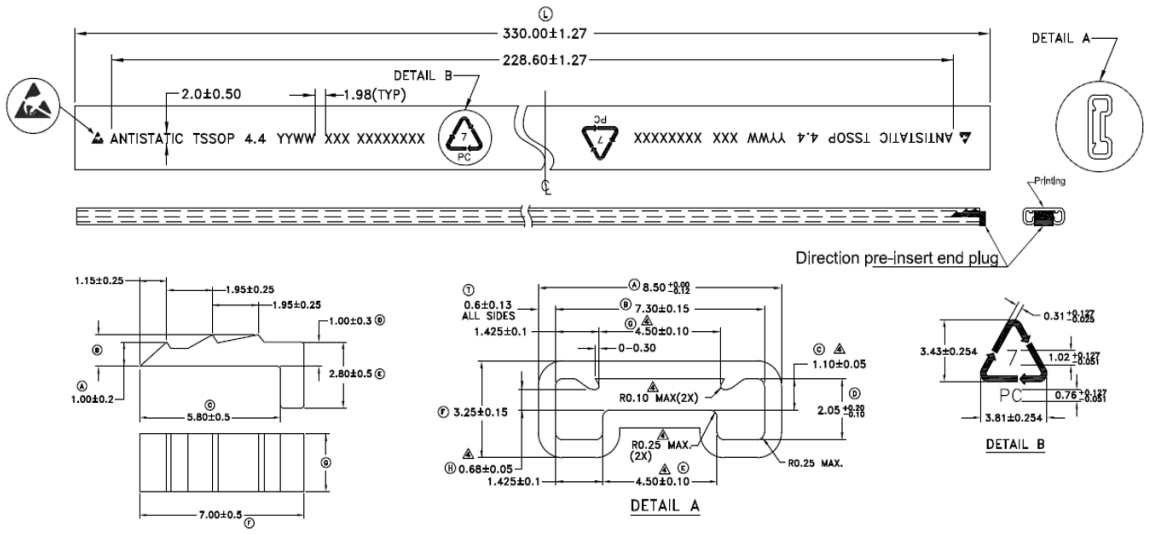
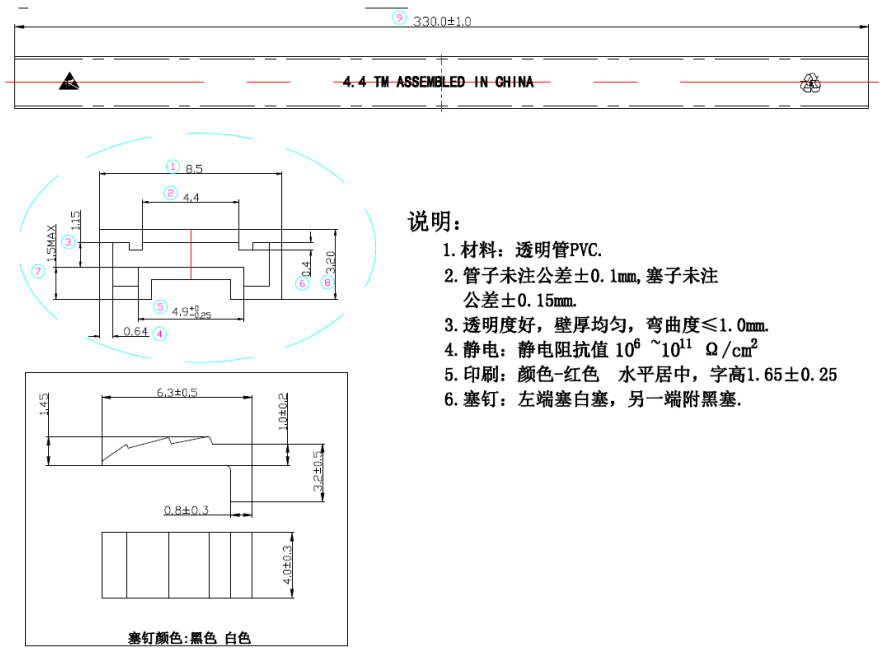
SMART | CONNECTED | SECURE

# TUBE (8L TSSOP)

## MTAI_Test




## ASSH_Test



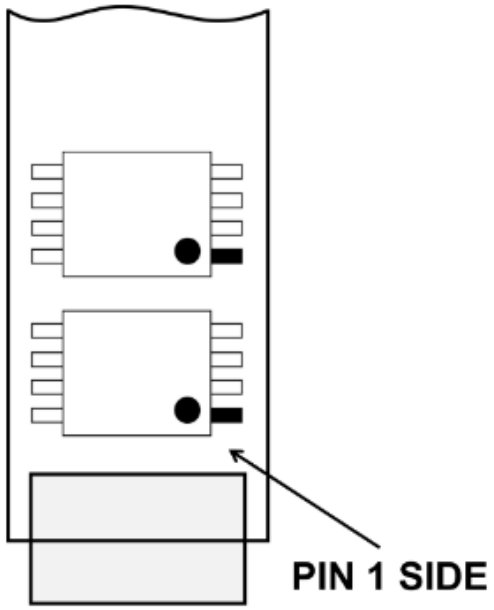

说明：

1. 材料：透明管PVC.
2. 管子未注公差±0.1mm，塞子未注公差±0.15mm.
3. 透明度好，壁厚均匀，弯曲度≤1.0mm.
4. 静电：静电阻抗值 $10^6$ ~$10^{11}$ Ω/$cm^2$
5. 印刷：颜色-红色　水平居中，字高1.65±0.25
6. 塞钉：左端塞白塞，另一端附黑塞.

| Location | Tube Length (mm) | Tube Color | BQM | Tube/Bag |
|---|---|---|---|---|
| MTAI | 330.00 ±1.27 | Clear | 100 | 160 |
| ATXSH (ASSH) | 330±0.1 | Clear | 100 | 160 |

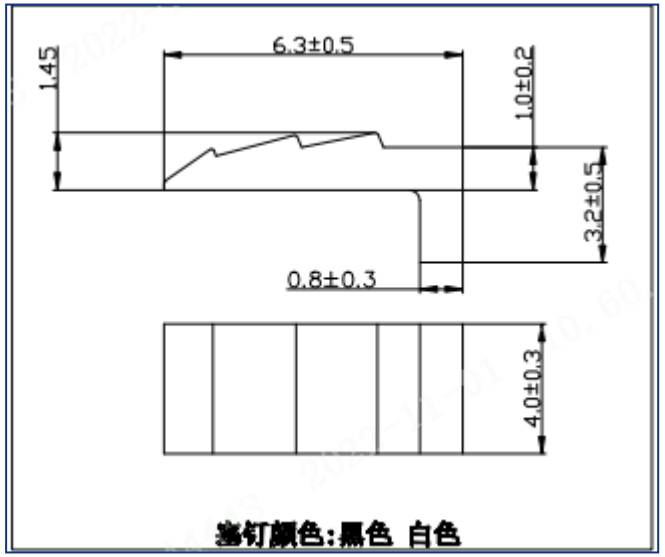
# TUBE (8L TSSOP) – Pin 1 Orientation & Plug / Pin Color

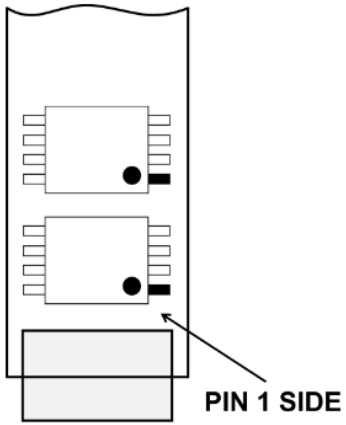
## MTAI_Test




| Media | Pin1 Side | Opposite Side |
|---|---|---|
| Plug | WHITE | YELLOW |

## ASSH_Test

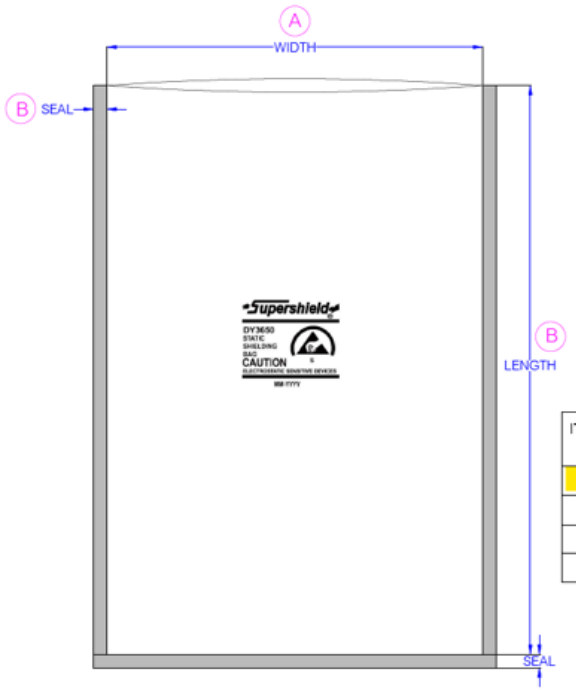


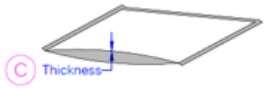




| Media | Pin1 Side | Opposite Side |
|---|---|---|
| Plug | White | Black |

# TUBE Packing Static Sensitive Bag for Non dry Pack (MSL-1)

## MTAI_Test



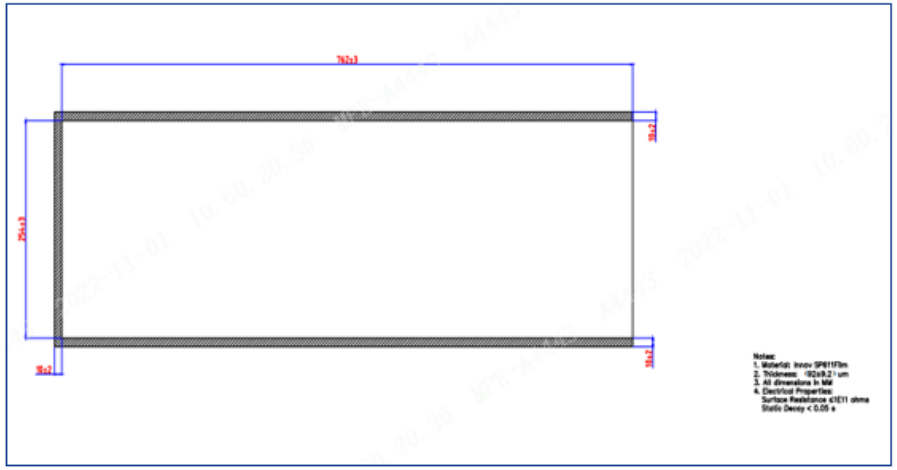




STATIC SHIELDING FILM (BAG)

Note:
(1) Printing Color: Yellow
(2) Thickness: 3mils +/- 10% (0.3)
(3) Specification Reference: MS-15090
(4) MM: Month code
(5) YYYY: Year code

| ITEM | MEDIA | WIDTH (+5/-0 MM) | LENGTH (+5/-0 MM) | SEAL (+/-2 MM) | MCHP P/N |
|---|---|---|---|---|---|
| 1 | TUBE | 160 | 650 | 10 | 24000002 |
| 2 | T/R | 220 | 300 | 10 | 24000042 |
| 3 | T/R | 370 | 420 | 10 | 24000023 |
| 4 | TRAY | 280 | 560 | 10 | 24000061 |

## ASSH_Test



| Plant | Length (mm) | Width (mm) | Thickness (mils) | Colour |
|---|---|---|---|---|
| MTAI | 650 +5.0/-0.0 | 160 +5.0/-0.0 | 3.0 ±0.3 | Transparent |
| ATXSH (ASSH) | 762+/-3 | 254+/-3 | 2.3+/-0.23 | Transparent |



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# TUBE Packing Method for Non dry Pack (MSL-1)

| MTAI_Test | ASSH_Test |
| --- | --- |
| Non-Dry pack for MSOP/TSSOP/QFN/DFN in tubes No inner box | No inner box |

# Packing Method of Outer carton for TUBE for Non dry Pack (MSL-1)

## MTAI_Test

| Carton | Dimension W x L x H (cm) | Number of Bag/carton |
|---|---|---|
| M01-031 (H1) | 18x37.5x4.4 | Partial bag |
| M01-032 (H5) | 18x37.5x7 | 1 |
| M01-033 (H0) | 18x37x16 | 3 |
| M01-015 (B8) | 35.5x35.5x16.5 | 4 |

## ASSH_Test

| Carton | Dimension W x L x H (cm) | Number of Bag/carton |
|---|---|---|
| 1 | 36.8X17.9X7 | 2 |
| 2 | 36.5X17.5X16 | 4 |
| 3 | 36.5X35X16.5 | 6 |



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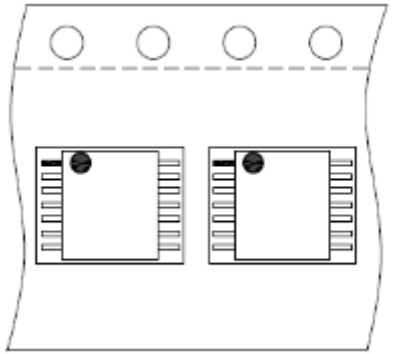
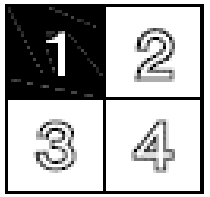
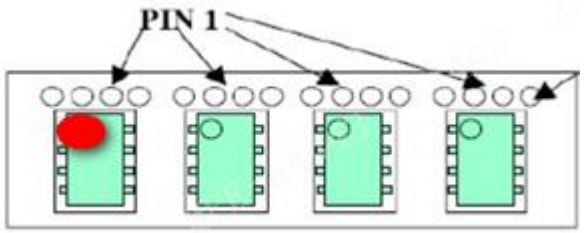
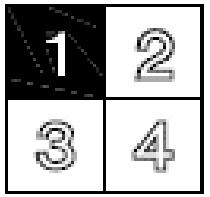
# CCB 4404.002 and CCB 6051 Packing Materials for Tape and Reel (TnR)

# PCN #: RMES-28FEHU333

A Leading Provider of Smart, Connected and Secure Embedded Control Solutions

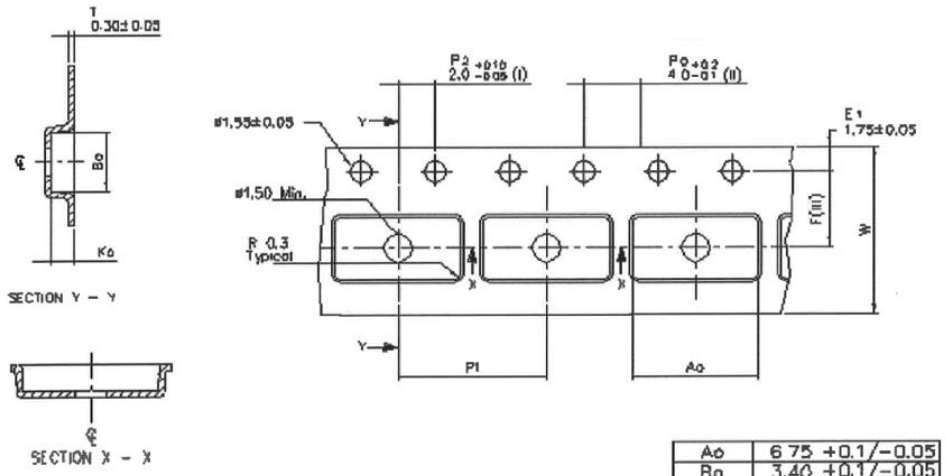
SMART | CONNECTED | SECURE

# Pin1 Orientation Quadrant in Tape and Reel

| MTAI_Test | ASSH_Test |
| --- | --- |
|    Quadrant 1 |     Quadrant 1 |

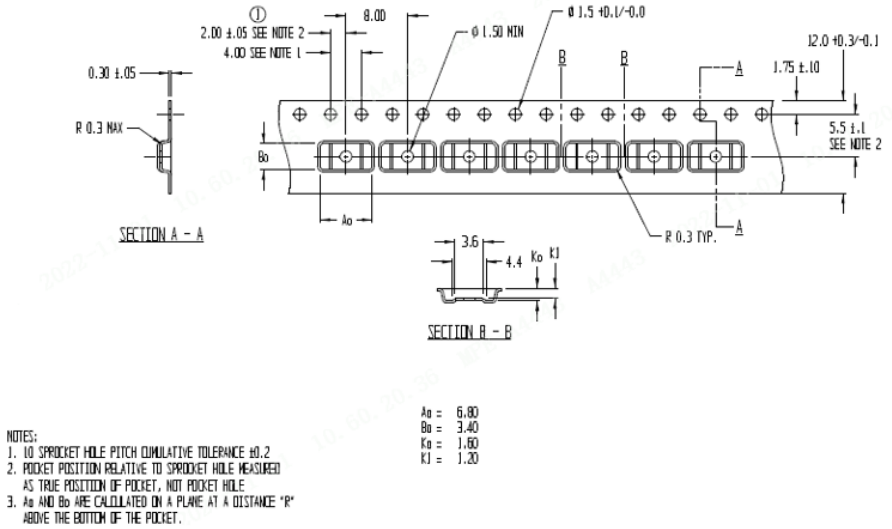
# Carrier Tape (8L TSSOP)

## MTAI_Test




| | |
|---|---|
| Ao | 6.75 +0.1/−0.05 |
| Bo | 3.40 +0.1/−0.05 |
| Ko | 1.30 +0.1/−0.05 |
| F | 5.50 +0.1/−0.05 |
| P1 | 8.00 +0.1/−0.05 |
| W | 12.00 +/−0.1 |

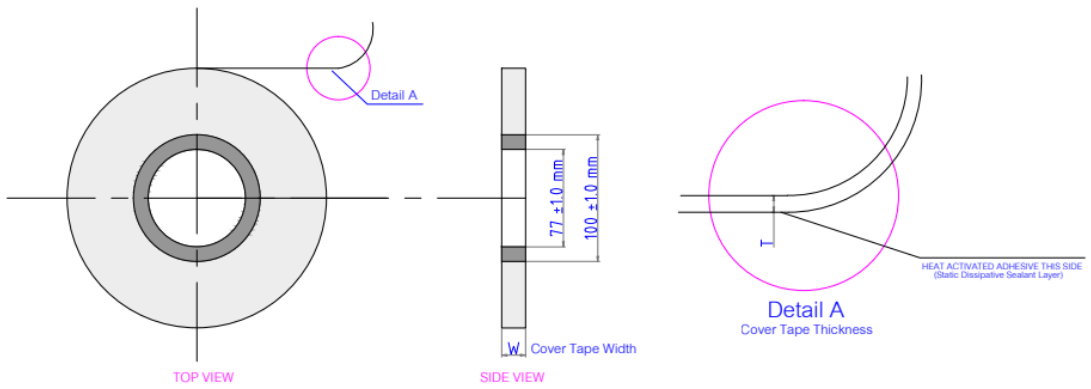
## ASSH_Test



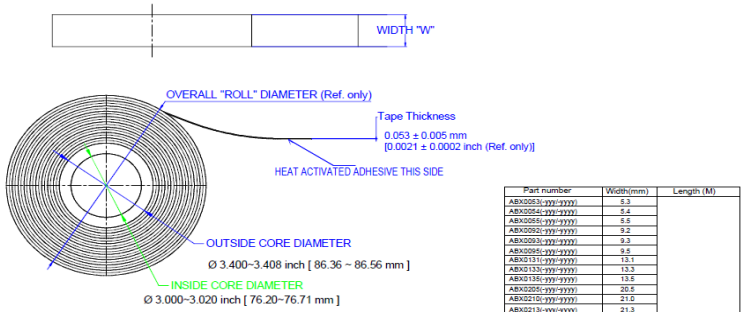

| Plant | W (mm.) | P (mm.) | A0 (mm.) | B0 (mm.) | K0 (mm.) | K1 (mm.) | Thickness | BQM |
|---|---|---|---|---|---|---|---|---|
| MTAI | 12.00 ±0.10 | 8 +0.1/-0.05 | 6.75 +0.1/-0.05 | 3.4 +0.1/-0.05 | 1.3 +0.1/-0.05 | - | 0.30±0.05 | 2500 |
| ATXSH (ASSH) | 12+0.3/-0.1 | 8+/-0.2 | 6.8+/-0.2 | 3.4+/-0.2 | 1.6+/-0.2 | 1.2+/-0.2 | 0.3+/-0.05 | 2500 or 5000 |

# Cover Tape (8L TSSOP)

## MTAI_Test




## ASSH_Test




NOTE:
1. Tape width tolerance ± 0.10 mm ( Nominal Tape width (W) < 65.5 mm)
   -Tape width tolerance ± 0.15 mm (65.5 mm ≤ Nominal Tape width (W) < 81.5mm)
   -Tape width tolerance ± 0.20 mm (81.5 mm ≤ Nominal Tape width (W) < 113.5 mm)
   -Tape width tolerance ± 0.25 mm (113.5 mm ≤ Nominal Tape width (W) < 145.5 mm)
   -Tape width tolerance ± 0.30 mm (145.5 mm ≤ Nominal Tape width (W) )
2. Length (M): -yyy +5/-0 M or -yyyy +5/-0 M,where yyy or yyyy=Length
3. Please refer to Tech Bulletins for related properties of ABx
4. The color of side view on ABx: Green/Gray
5. Plastic core width dimension refer to below table

| Part number | Width(mm) | Length (M) |
|---|---|---|
| ABX0053(-yyy/-yyyy) | 5.3 | 300,500,1000...etc. |
| ABX0054(-yyy/-yyyy) | 5.4 | |
| ABX0055(-yyy/-yyyy) | 5.5 | |
| ABX0092(-yyy/-yyyy) | 9.2 | |
| ABX0093(-yyy/-yyyy) | 9.3 | |
| ABX0095(-yyy/-yyyy) | 9.5 | |
| ABX0131(-yyy/-yyyy) | 13.1 | |
| ABX0133(-yyy/-yyyy) | 13.3 | |
| ABX0135(-yyy/-yyyy) | 13.5 | |
| ABX0205(-yyy/-yyyy) | 20.5 | |
| ABX0210(-yyy/-yyyy) | 21.0 | |
| ABX0213(-yyy/-yyyy) | 21.3 | |
| ABX0215(-yyy/-yyyy) | 21.5 | |
| ABX0255(-yyy/-yyyy) | 25.5 | |
| ABX0260(-yyy/-yyyy) | 26.0 | |
| ABX0300(-yyy/-yyyy) | 30.0 | |
| ABX0301(-yyy/-yyyy) | 30.1 | |
| ABX0375(-yyy/-yyyy) | 37.5 | |
| ABX0495(-yyy/-yyyy) | 49.5 | |
| ABX0655(-yyy/-yyyy) | 65.5 | |
| ABX0815(-yyy/-yyyy) | 81.5 | |
| ABX0975(-yyy/-yyyy) | 97.5 | |
| ABX1135(-yyy/-yyyy) | 113.5 | |
| ABX1295(-yyy/-yyyy) | 129.5 | |

| Cover Tape Width (mm) | Core Spec (mm) |
|---|---|
| 5.3 | 5.4 ±0.07 |
| 5.4 | |
| 5.5 | |
| 9.2 | 9.2 ±0.07 |
| 9.3 | |
| 9.5 | 9.5 ±0.07 |
| 13.1 | 13.3 ±0.07 |
| 13.3 | |
| 13.5 | |
| 20.5 | 21.0 ±0.07 |
| 21.0 | |

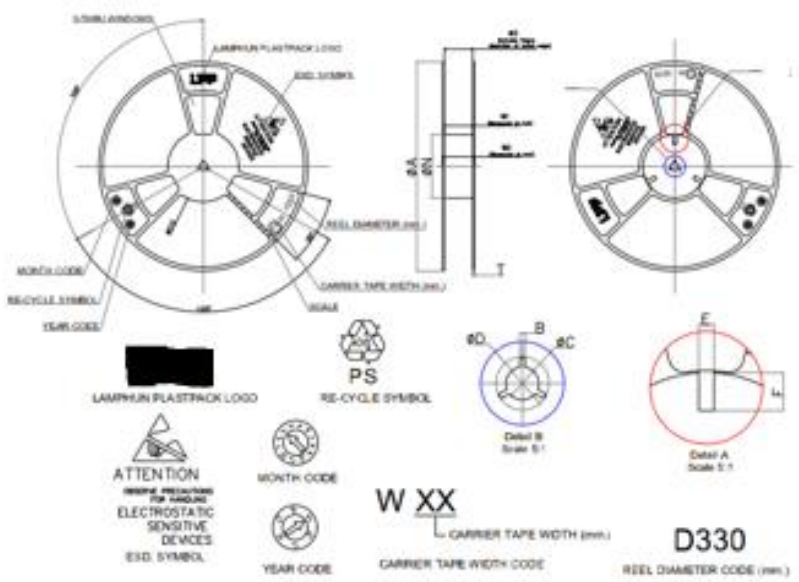
| Cover Tape Width (mm) | Core Spec (mm) |
|---|---|
| 21.3 | 21.3 ±0.07 |
| 21.5 | |
| 25.5 | 25.5 ±0.07 |
| 26.0 | |
| 30.0 | 30.0 ±0.07 |
| 30.1 | |
| 37.5 | 37.5 ±0.07 |
| 38.5 | |
| 49.5 | 49.5 ±0.07 |
| 65.5 | 65.5 ±0.07 |
| 81.5 | 81.5 ±0.07 |

| Cover Tape Width (mm) | Core Spec (mm) |
|---|---|
| 97.5 | 97.5 ±0.8 |
| 113.5 | 113.5 ±0.07 |
| 129.5 | 129.5 ±0.07 |

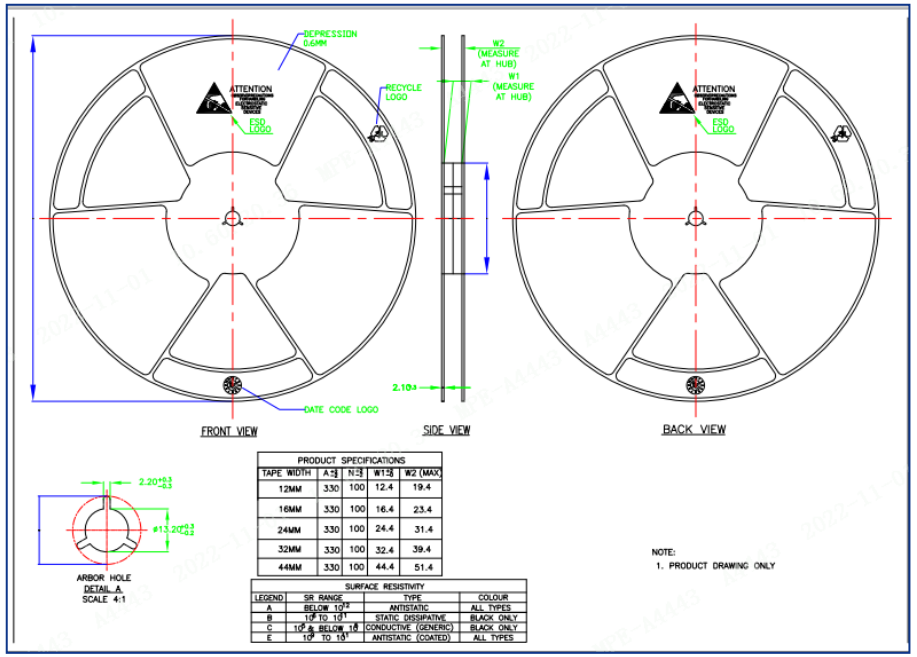
| Plant | Width W (mm.) | Thickness T (mm.) | Colour | Sealing Methodology |
|---|---|---|---|---|
| MTAI | 9.05 +0.05/-0.15 | 0.050 ±0.010 | Clear | Heat Seal |
| ATXSH (ASSH) | 9.2+/-0.1 | 0.053+/-0.005 | Clear | Heat Seal |

# Plastic Reel (8L TSSOP)

## MTAI_Test



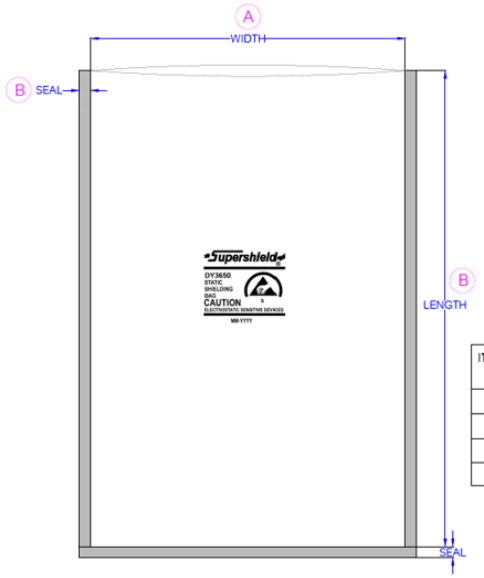

## ASSH_Test

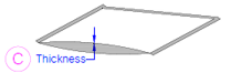



| Plant | Reel Diameter (mm.) | Reel Hub Size (mm) | Reel Width Max (mm.) | Colour |
|---|---|---|---|---|
| MTAI | 330 +/- 2.0 | 100 +/- 2.0 | 18.40 Max | Dark Blue |
| ATXSH (ASSH) | 330+/-2 | 100+/-2 | 19.4 MAX | White |

# TAPE & REEL Packing Static Sensitive Bag for Non dry Pack (MSL-1)

## MTAI_Test



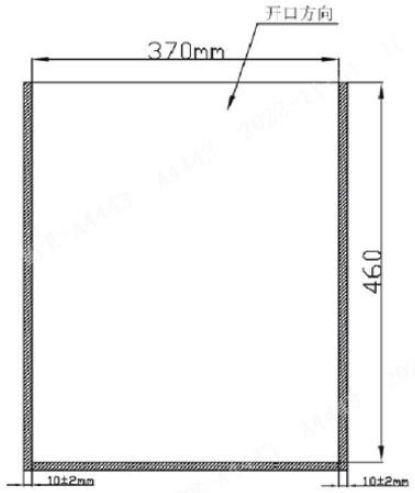




STATIC SHIELDING FILM (BAG)

Note:
(1) Printing Color: Yellow
(2) Thickness: 3mils +/- 10% (0.3)
(3) Specification Reference: MS-15090
(4) MM: Month code
(5) YYYY: Year code

| ITEM | MEDIA | WIDTH (+5/-0 MM) | LENGTH (+5/-0 MM) | SEAL (+/-2 MM) | MCHP P/N |
|---|---|---|---|---|---|
| 1 | TUBE | 160 | 650 | 10 | 24000002 |
| 2 | T/R | 220 | 300 | 10 | 24000042 |
| 3 | T/R | 370 | 420 | 10 | 24000023 |
| 4 | TRAY | 280 | 560 | 10 | 24000061 |

## ASSH_Test

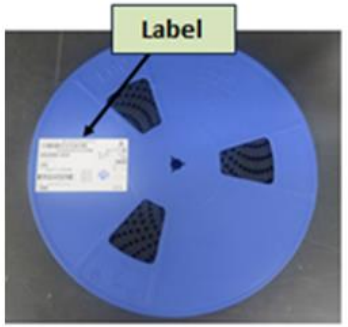


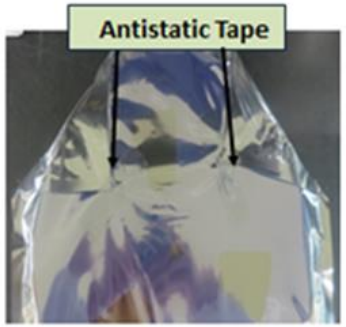

注意:
1.单位: MM
2.封边: 三边10±2
3.厚度公差: 0.075±10%mm
4.尺寸公差: ±5
5.材质: VMPET/CPE

| Plant | Length (mm) | Width (mm) | Thickness (mils) | Colour |
|---|---|---|---|---|
| MTAI | 420 +5.0/-0.0 | 370 +5.0/-0.0 | 3.0 ±0.3 | Transparent |
| ATXSH (ASSH) | 460+/-5 | 370+/-5 | 3+/-0.3 | Transparent |

# T/R Packing Method for Non dry Pack (MSL-1)

## MTAI_Test






No inner box

| Reel/Bag |
| --- |
| 1 |

## ASSH_Test

No inner box

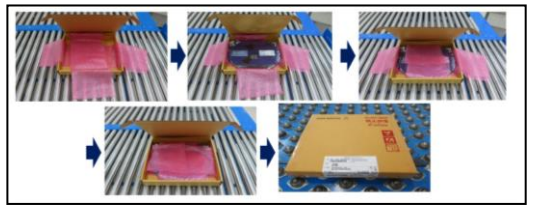
| Reel/Bag |
| --- |
| 1 |

# Packing method of Outer carton for T/R for Non dry Pack (MSL-1)

## MTAI_Test

| Carton | Dimension W x L x H (cm) | Number of reel per carton (Reel diameter (D) = 330mm) |
|---|---|---|
| M01-011 (TT) | 36.5x38x39.5 | 15 |
| M01-012 (B1) | 35.5x35.5x2.8 | 1 |
| M01-013 (B2) | 35.5x35.5x4 | 2 |
| M01-014 (B3) | 35.5x35.5x6 | 3 |
| M01-015 (B8) | 35.5x35.5x16.5 | 8 |

**Example**



Packing for tape and reel in carton box B2 (DWG-M01-013) / B3 (DWG-M01-014).

Packing for tape and reel in carton box B8 (DWG-M01-015).

Packing for tape and reel in carton box TT (DWG-M01-011)

## ASSH_Test

| Carton | Dimension W x L x H (mm) | Number of reel per carton (Reel diameter (D) = 330mm) |
|---|---|---|
| 1 | 357X356X42 | 1 |
| 2 | 365X350X165 | 8 |
| 3 | 384X362X385 | 15 |

Affected Catalog Part Numbers (CPN)

24LC256-E/ST
24AA256-E/ST
24FC256-E/ST
24LC256-I/ST
24AA256-I/ST
24FC256-I/ST
24LC256T-I/ST
24AA256T-I/ST
24FC256T-I/ST
24LC256T-E/ST
24LC256T-E/STNOK
24AA256T-E/ST
24FC256T-E/ST

# QUALIFICATION REPORT SUMMARY

**PCN #: RMES-28FEHU333**

**Date:**
**November 28, 2022**

**Qualification of ASSH as a new assembly site and as an additional final test site for 24AA256, 24LC256 and 24FC256 device families available in 8L TSSOP (4.4mm) package. The 24AA256, 24LC256 and 24FC256 device families available in 8L TSSOP (4.4mm) package will be qualify by similarity (QBS).**

**Purpose:** Qualification of ASSH as a new assembly site and as an additional final test site for 24AA256, 24LC256 and 24FC256 device families available in 8L TSSOP (4.4mm) package.

**CCB #:** 6051

| Test Name | Test Conditions | Result / Remarks |
|---|---|---|
| Test Program Checkout | DLOGS for (1) DUTREAD (2) Sigpage (3) Fuse Read (4) Benchmark | **Passed** |
| Correlation Test / Site-to-site Verification | Correlation Pattern vs Actual Strip Maps are TALLY | **Passed** |
| Correlation lot | Run 1 qualification lot with 2849 units at currently qualified test site (original site – MTAI) to be retested at new test site (destination site – ASSH) | **Passed** |