Product Change Notification / CADA-30MRZM669

## Date:

03-Jun-2022

## Product Category:

8-bit Microcontrollers

## PCN Type:

Manufacturing Change

## Notification Subject:

CCB 5132 Final Notice: Qualification of MTAI as an additional Scan/Pack process site and implement packing changes for selected ATTINY804, ATTINY814, ATTINY1604 and ATTINY1614 device families available in 14L SOIC (0.150in) package

## Affected CPNs:

CADA-30MRZM669_Affected_CPN_06032022.pdf
CADA-30MRZM669_Affected_CPN_06032022.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 MTAI as an additional Scan/Pack process site and implement packing changes for selected ATTINY804, ATTINY814, ATTINY1604 and ATTINY1614 device families available in 14L SOIC (0.150in) package.

**Pre and Post Change Summary:**

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

| | | | | |
|---|---|---|---|---|
| **Scan/Pack Site** | | Microchip Technology Operations (Philippines) Corporation<br><br>(MPHL) | Microchip Technology Operations (Philippines) Corporation<br><br>(MPHL) | Microchip Technology Thailand (HQ)<br><br>(MTAI) |
| **Base Quantity Multiple (BQM)** | **Tape and Reel** | 3000 | 3000 | 3000 |
| | **Tube** | 57 | 57 | 57 |
| **Pin 1 Orientation** | **Tape and Reel** | See Pre and Post Change comparison. | | |
| | **Tube** | See Pre and Post Change comparison. | | |
| **Carrier tape** | | No dimensional changes. See Pre and Post Change comparison. | | |
| **Cover Tape** | **Dimensions** | With minor dimensional changes. See Pre and Post Change comparison. | | |
| **Carrier Reel** | **Color** | White | White | Dark Blue |
| | **Dimensions** | No dimensional changes. See Pre and Post Change comparison. | | |
| **Tape and Reel Packing Method** | | See Pre and Post Change comparison. | | |
| **Tube** | **Dimensions** | No dimensional changes. See Pre and Post Change comparison. | | |
| | **Color** | Clear | Clear | Clear |
| **Tube Packing Method** | | See Pre and Post Change comparison. | | |
| **Carton Box** | | See Pre and Post Change comparison. | | |
| **Desiccant** | | 1-unit | 1-unit | None |

**Impacts to Data Sheet:**None

**Change Impact**None

**Reason for Change:**To improve on-time delivery performance by qualifying MTAI as an additional Scan/Pack process site.

**Change Implementation Status:**In Progress

**Estimated First Ship Date:**June 15, 2022 (date code: 2225)

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

**Time Table Summary:**

| | June 2022 | | | | |
|---|---|---|---|---|---|
| Workweek | 23 | 24 | 25 | 26 | 27 |
| Final PCN Issue Date | x | | | | |
| Estimated Implementation Date | | | x | | |

**Method to Identify Change:**Traceability code

**Qualification Report:**Not applicable

**Revision History:**June 3, 2022: Issued final notification.

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

## Attachments:

PCN_CADA-30MRZM669_Pre and Post Change Summary.pdf

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

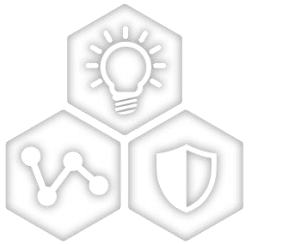
**Terms and Conditions:**

If you wish to receive Microchip PCNs via email please register for our PCN email service at our PCN home page select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the PCN FAQ section.

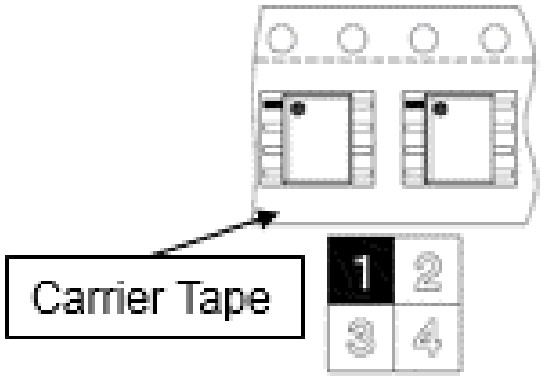
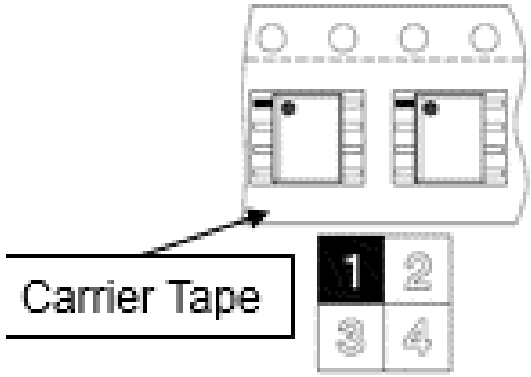
If you wish to change your PCN profile, including opt out, please go to the PCN home page select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

# CCB 5132
# Pre and Post Change Summary
# PCN #: CADA-30MRZM669

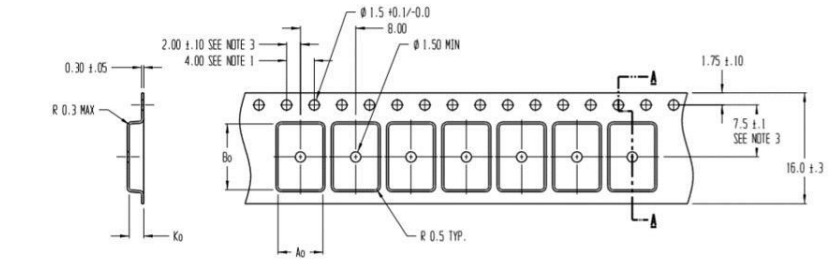
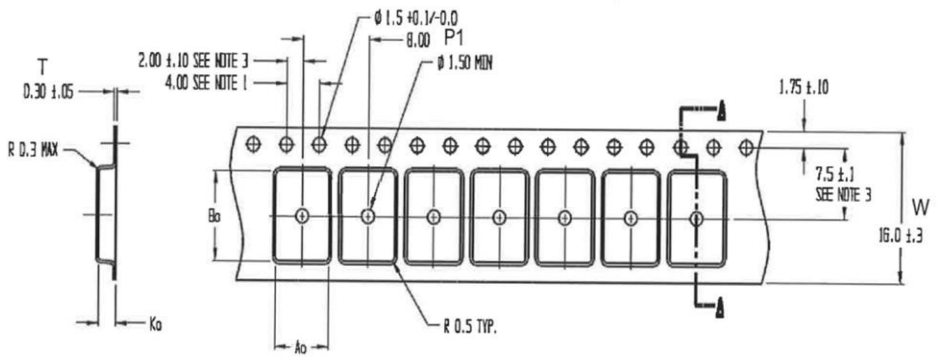

A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



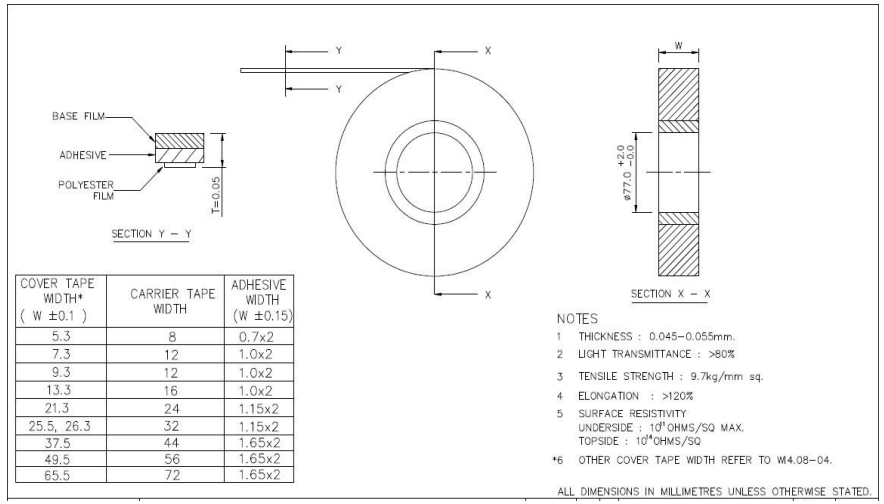
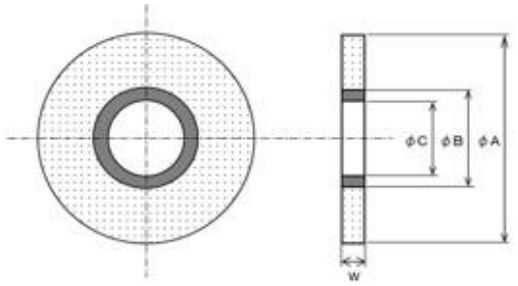
# Tape and Reel – MSL-1

| | MPHL | MTAI |
|---|---|---|
| **Base Quantity Multiple (BQM)** | 3000 | 3000 |
| **Pin 1 orientation** |  Quadrant 1 |  Quadrant 1 |

# Carrier Tape

| | MPHL | MTAI |
|---|---|---|
| **Drawing and Dimension** |  <br>SECTION A - A<br>Ao = 6.50<br>Bo = 9.50<br>Ko = 2.10<br>NOTES:<br>1. 10 SPROCKET HOLE PITCH CUMULATIVE TOLERANCE ±0.2<br>2. CAMBER IN COMPLIANCE WITH EIA 481<br>3. POCKET POSITION RELATIVE TO SPROCKET HOLE MEASURED AS TRUE POSITION OF POCKET, NOT POCKET HOLE |  |

# Cover Tape

| | MPHL | MTAI |
|---|---|---|
| **Drawing and Dimension** |  |  |



| COVER TAPE WIDTH* ( W ±0.1 ) | CARRIER TAPE WIDTH | ADHESIVE WIDTH (W ±0.15) |
|---|---|---|
| 5.3 | 8 | 0.7x2 |
| 7.3 | 12 | 1.0x2 |
| 9.3 | 12 | 1.0x2 |
| 13.3 | 16 | 1.0x2 |
| 21.3 | 24 | 1.15x2 |
| 25.5, 26.3 | 32 | 1.15x2 |
| 37.5 | 44 | 1.65x2 |
| 49.5 | 56 | 1.65x2 |
| 65.5 | 72 | 1.65x2 |

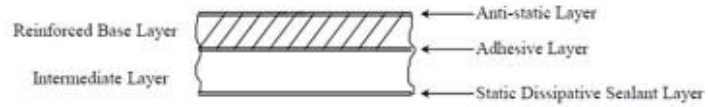
NOTES
1 THICKNESS : 0.045–0.055mm.
2 LIGHT TRANSMITTANCE : >80%
3 TENSILE STRENGTH : 9.7kg/mm sq.
4 ELONGATION : >120%
5 SURFACE RESISTIVITY
UNDERSIDE : $10^{11}$ OHMS/SQ MAX.
TOPSIDE : $10^{4}$ OHMS/SQ
*6 OTHER COVER TAPE WIDTH REFER TO W4.08–04.

ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

| Width: W (mm) | Thickness T (mm) |
|---|---|
| 13.3 | 0.050 ± 0.005 |

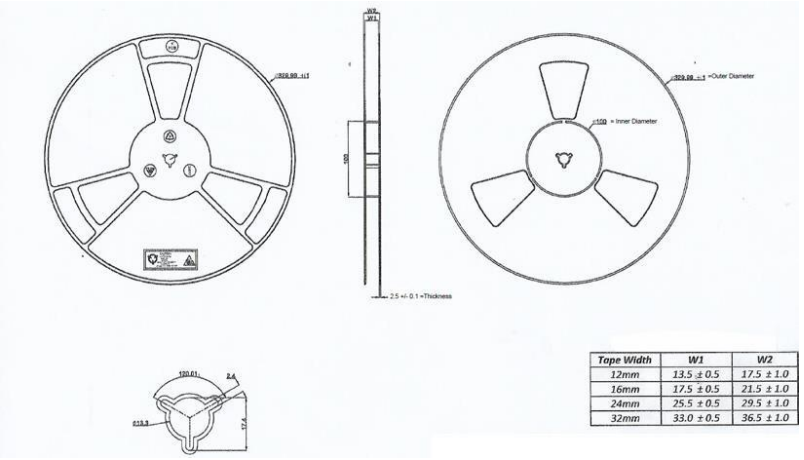
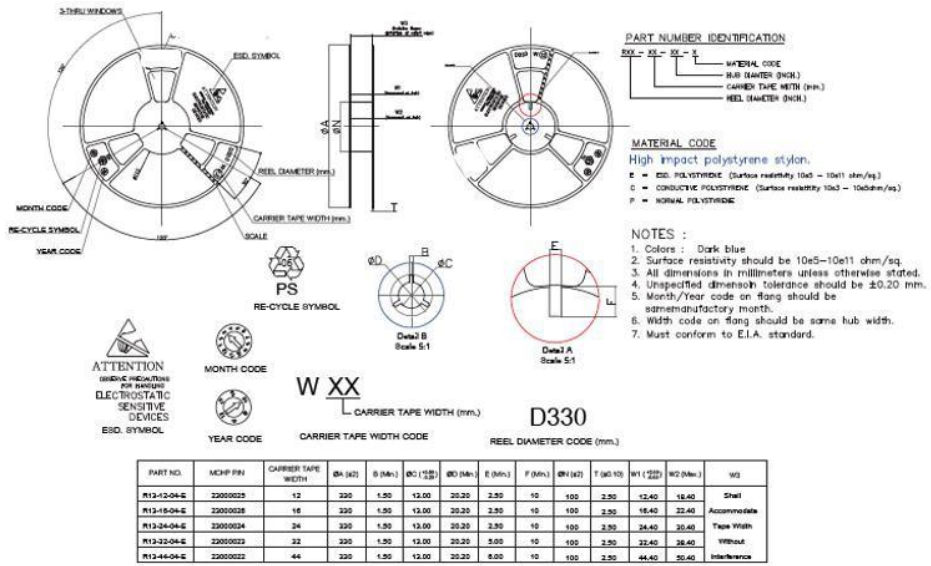


STRUCTURE

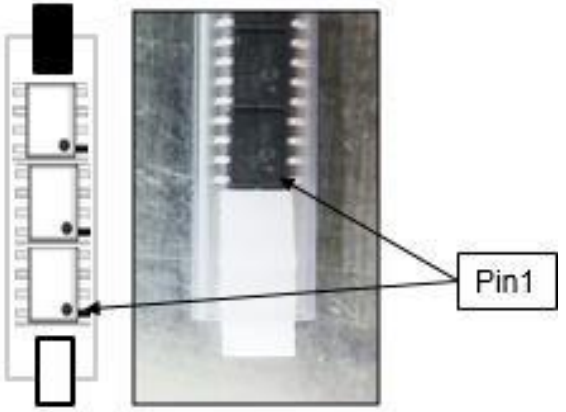


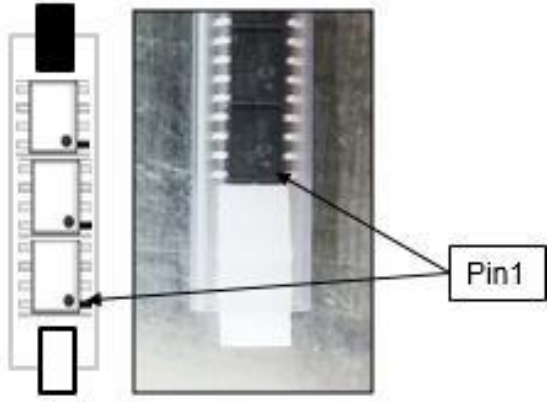

| Cover Tape Width: W (mm) | Thickness: T (mm) |
|---|---|
| 13.3 ±0.1 | 0.050 ±0.010 |

# Carrier Reel

| | MPHL | MTAI |
|---|---|---|
| **Color** | White | Dark Blue |
| **Drawing and Dimensions** |   |   |
| | **Media** Reel **Diameter** 330mm | **Media** Reel **Diameter** 330mm |

# Tube– MSL-1

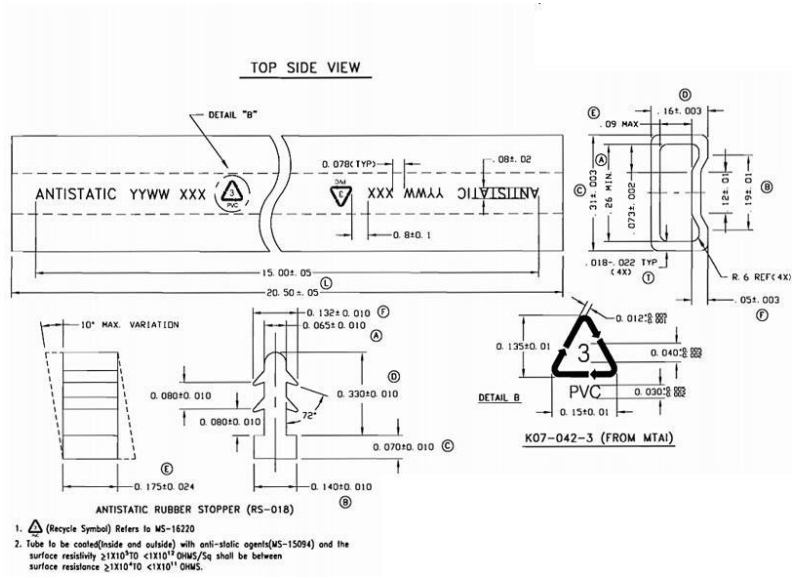
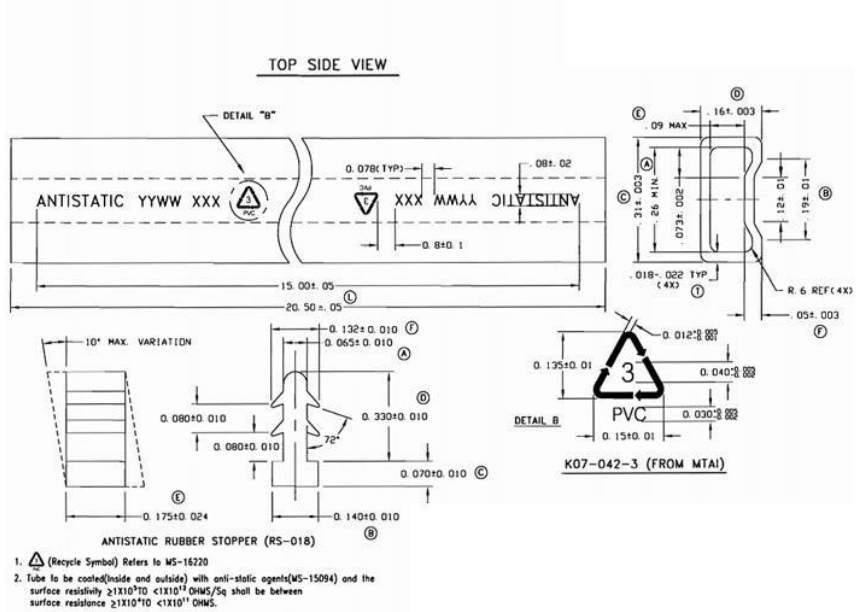
<table>
<tr><th></th><th>MPHL</th><th>MTAI</th></tr>
<tr><td>Base Quantity Multiple (BQM)</td><td>57</td><td>57</td></tr>
<tr><td>Pin 1 orientation</td><td>


<table>
<tr><th>Media</th><th>Pin1 Side</th><th>Opposite Side</th></tr>
<tr><td>TUBE</td><td>White</td><td>Black</td></tr>
</table>
</td><td>


<table>
<tr><th>Media</th><th>Pin1 Side</th><th>Opposite Side</th></tr>
<tr><td>TUBE</td><td>White</td><td>Black</td></tr>
</table>
</td></tr>
</table>

MICROCHIP

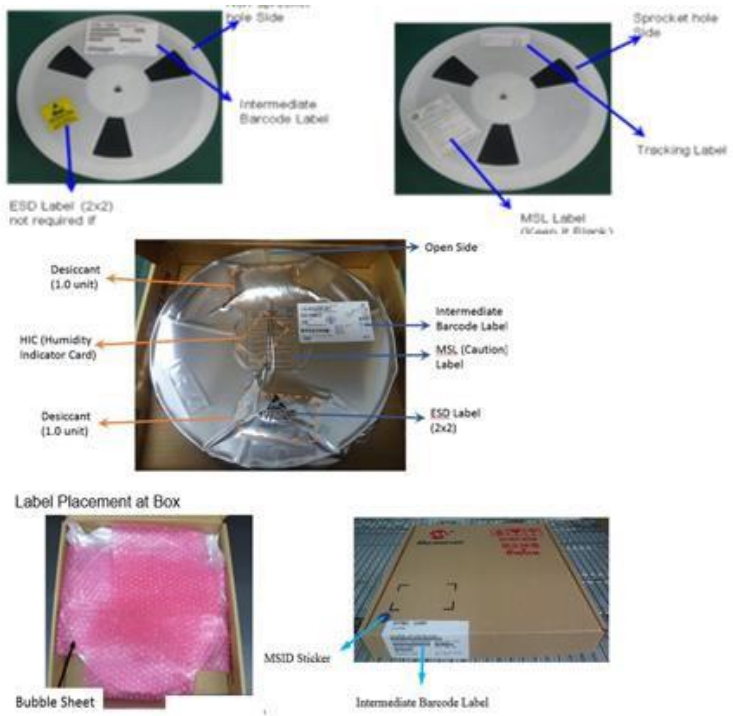
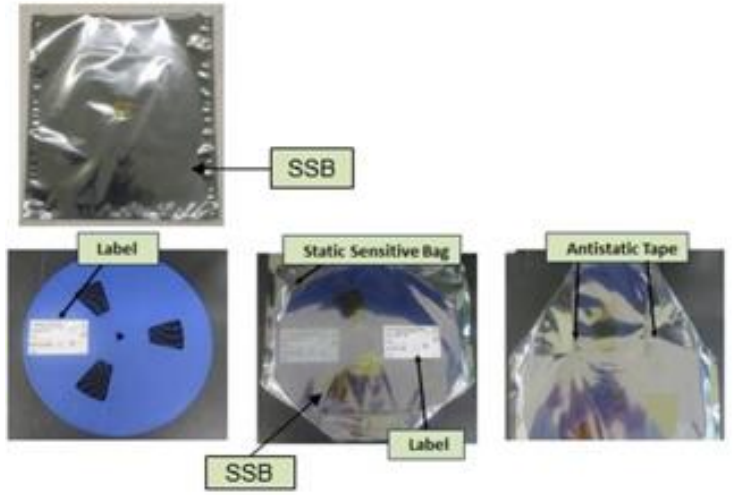
# Tube

| | MPHL | MTAI |
|---|---|---|
| **Color** | Clear | Clear |
| **Drawing and Dimensions** |  |  |

| Length |
|---|
| 20.50 +/-0.05 inch |

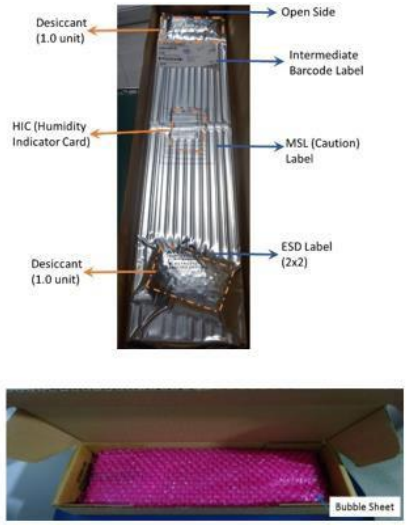
| Length |
|---|
| 20.50 +/-0.05 inch |

# Tape & Reel - Packing Material/Method

| | MPHL | MTAI |
|---|---|---|
| Procedure |  |  |

MICROCHIP

# Tube - Packing Material/Method

| | MPHL | MTAI |
|---|---|---|
| **Procedure** |   |    |

# Tape and Reel – Carton Box

## MPHL


| Length | Width | Height |
|---|---|---|
| 375 mm | 352 mm | 53 mm |

## MTAI


| Carton | Dimension W x L x H (cm) | Total Reel per Box |
|---|---|---|
| M01-011 (TT) | 36.5x38x39.5 | 14 |
| M01-013 (B2) | 35.5x35.5x4 | 1 |
| M01-014 (B3) | 35.5x35.5x6 | 2 |
| M01-015 (B8) | 35.5x35.5x16.5 | 6 |

# Tube – Carton Box

## MPHL


| Length | Width | Height |
|---|---|---|
| 560 mm | 130 mm | 78 mm |

## MTAI


| Carton | Dimension W x L x H (cm) | Number of Bag/carton |
|---|---|---|
| M01-025 (C1) | 15x64x5.5 | 1 |
| M01-026 (C2) | 15x64x10 | 2 |
| M01-027 (C3) | 15x64x14 | 3 |
| M01-028 (C4) | 28x63x11 | 4 |
| M01-029 (C6) | 28x63x15.5 | 6 |
| M01-030 (C8) | 28x63x20 | 8 |

# Desiccant

| MPHL | MTAI |
| --- | --- |
| 1-unit desiccant   | N/A |

Affected Catalog Part Numbers (CPN)

ATTINY1604-SSF
ATTINY804-SSF
ATTINY1604-SSN
ATTINY804-SSN
ATTINY804-SSNR
ATTINY1604-SSNR
ATTINY804-SSFR
ATTINY1604-SSFR
ATTINY1614-SSF
ATTINY1614-SSZ-VAO
ATTINY1614-SSN
ATTINY1614-SSB-VAO
ATTINY1614-SSNR
ATTINY1614-SSBT-VAO
ATTINY1614-SSFR
ATTINY1614-SSZT-VAO
ATTINY814-SSZ-VAO
ATTINY814-SSB-VAO
ATTINY814-SSNR
ATTINY814-SSNRA1
ATTINY814-SSBT-VAO
ATTINY814-SSFR
ATTINY814-SSZT-VAO