



Product Change Notification / CAAN-14HZNB152

Date:

16-Nov-2022

Product Category:

Clock and Timing - Clock and Data Distribution

PCN Type:

Manufacturing Change

Notification Subject:

CCB 3192.011 Final Notice: Qualification of MMT as a new final test site for SY898530UTZ, SY898530UTZ-TX and SY898530UTZ-TR catalog part numbers (CPN) available in 48L TQFP (7x7x1.0mm) package.

Affected CPNs:

[CAAN-14HZNB152_Affected_CPN_11162022.pdf](#)

[CAAN-14HZNB152_Affected_CPN_11162022.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 MMT as a new final test site for SY898530UTZ, SY898530UTZ-TX and SY898530UTZ-TR catalog part numbers (CPN) available in 48L TQFP (7x7x1.0mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change

Final Test Site		Unisem (M) Berhad Perak, Malaysia (UNIS)	Microchip Technology Thailand (Branch) (MMT)
Tape and Reel	Base Quantity Multiple (BQM)	No change (MTAI packing units)	1000
	Pin 1 Orientation	No change (MTAI packing units)	Quadrant 1
Carrier Tape		See attached Pre and Post Comparison	
Cover Tape		See attached Pre and Post Comparison	
Plastic Reel		See attached Pre and Post Comparison	
Desiccant and HIC		See attached Pre and Post Comparison	
Tray	Base Quantity Multiple (BQM)	No change (MTAI packing units)	250
	Pin 1 Orientation	See attached Pre and Post Comparison	
Desiccant and HIC		See attached Pre and Post Comparison	
Packing Material/Method		See attached Pre and Post Comparison	

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability by qualifying MMT as a new final test site.

Change Implementation Status:In Progress

Estimated First Ship Date:January 9, 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:

	November 2022	>	January 2023
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Workweek	45	46	47	48	49		1	2	3	4	5
Qual Report Availability			x								
Final PCN Issue Date			x								
Estimated Implementation Date								x			

Method to Identify Change:Traceability code

Qualification Report:Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History:November 16, 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_CAAN-14HZNB152_Pre and Post Change.pdf](#)
- [PCN_CAAN-14HZNB152_Qualification Report.pdf](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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MICROCHIP

QUALIFICATION REPORT SUMMARY

PCN#: CAAN-14HZNB152

Date

October 22, 2022

**Qualification of MMT as a new final test site for
SY898530UTZ, SY898530UTZ-TX and SY898530UTZ-TR
catalog part numbers (CPN) available in 48L TQFP
(7x7x1.0mm) package.**

Purpose: Qualification of MMT as a new final test site for SY898530UTZ, SY898530UTZ-TX and SY898530UTZ-TR catalog part numbers (CPN) available in 48L TQFP (7x7x1.0mm) package.

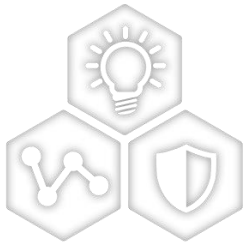
CCB No.: 3192.011

Test / Evaluation	Test Conditions / Parameters	Results
Correlation Plan	50 correlation units of each device type (original site/tester to new site/tester). Parametric correlation of ATE measured data sheet parameters 5,000 units yield sample for bin comparison (original site/tester to new site/tester). 50 untested units sample (new site/tester to original site/tester) for bin comparison and correlation.	Pass
Equipment correlation plan	Perform final test at original site record yield and bin data. Perform same final test using the same units at destination site. Compare data.	Pass

CCB 3192.011
Pre and Post Change Summary
PCN#: CAAN-14HZNB152

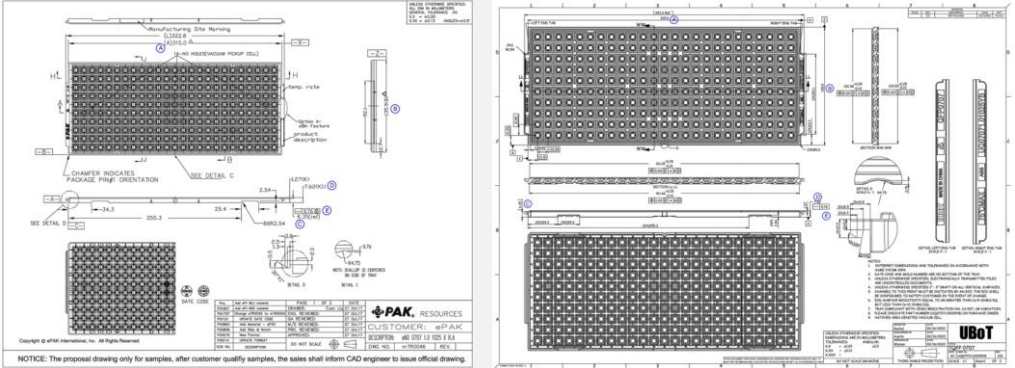


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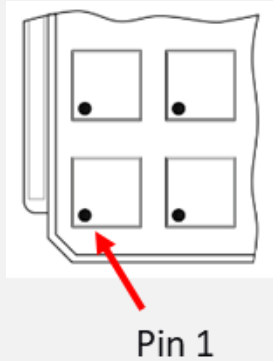


SMART | CONNECTED | SECURE

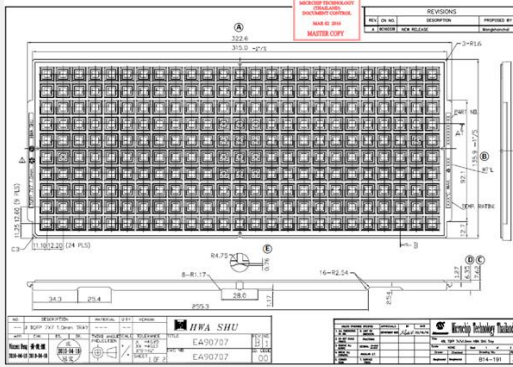
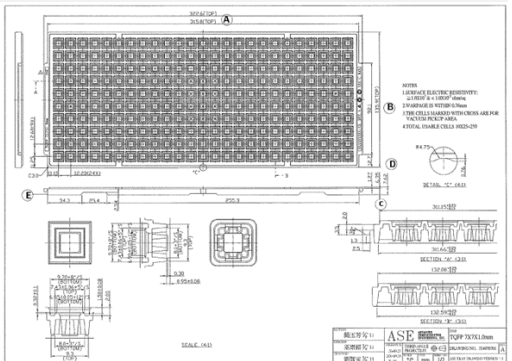
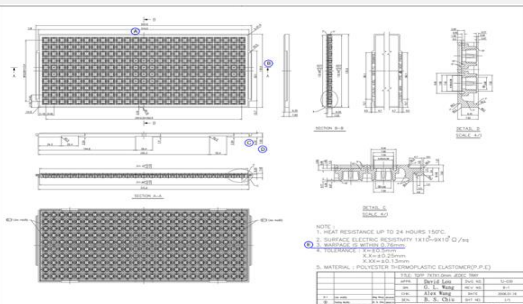
Packing Information: Tray (MSL-1)

	Pre-change	Post Change																		
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (MMT)																		
Packing Media	Effective Aug. 26, 2021 all Units will be shipped to MTAI for packing per CCB4575.001.	TRAY																		
Base Quantity Multiple (BQM)	No change (MTAI packing units)	<p>250 per tray</p>  <table border="1"> <thead> <tr> <th>Bakeable (Temp C)</th> <th>Row</th> <th>Col</th> <th>Unit per Tray</th> <th>Color</th> <th>Tray Stack</th> </tr> </thead> <tbody> <tr> <td>75C</td> <td>10</td> <td>25</td> <td>250</td> <td>BLUE</td> <td>10+1</td> </tr> <tr> <td>75C</td> <td>10</td> <td>25</td> <td>250</td> <td>BLUE</td> <td>10+1</td> </tr> </tbody> </table>	Bakeable (Temp C)	Row	Col	Unit per Tray	Color	Tray Stack	75C	10	25	250	BLUE	10+1	75C	10	25	250	BLUE	10+1
Bakeable (Temp C)	Row	Col	Unit per Tray	Color	Tray Stack															
75C	10	25	250	BLUE	10+1															
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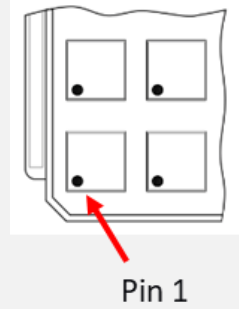
Packing Information: Tray

	Pre-change	Post Change
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (MMT)
Pin1 Orientation	No change (MTAI packing units)	 Pin 1
Desiccant and HIC	No change (MTAI packing units)	No Desiccant and HIC


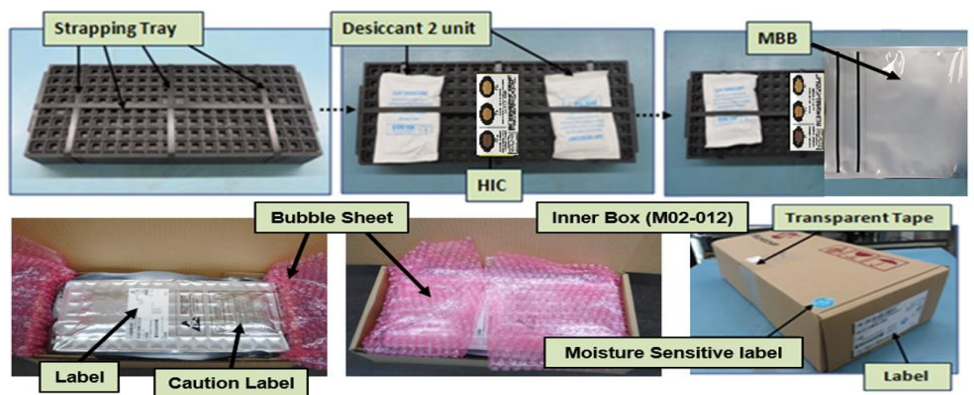
Packing Information: Tray (MSL-3)

	Pre-change	Post Change																								
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (MMT)																								
Packing Media	Effective Aug. 26, 2021 all Units will be shipped to MTAI for packaging per CCB4575.001.	TRAY																								
Base Quantity Multiple (BQM)	No change (MTAI packing units)	250 per tray    <table border="1" data-bbox="1600 1130 2374 1288"> <thead> <tr> <th>Bakeable (Temp C)</th> <th>Row</th> <th>Col</th> <th>Unit per Tray</th> <th>Color</th> <th>Tray Stack</th> </tr> </thead> <tbody> <tr> <td>150C</td> <td>10</td> <td>25</td> <td>250</td> <td>BLACK</td> <td>10+1</td> </tr> <tr> <td>150C</td> <td>10</td> <td>25</td> <td>250</td> <td>BLACK</td> <td>10+1</td> </tr> <tr> <td>150C</td> <td>10</td> <td>25</td> <td>250</td> <td>BLACK</td> <td>10+1</td> </tr> </tbody> </table>	Bakeable (Temp C)	Row	Col	Unit per Tray	Color	Tray Stack	150C	10	25	250	BLACK	10+1	150C	10	25	250	BLACK	10+1	150C	10	25	250	BLACK	10+1
Bakeable (Temp C)	Row	Col	Unit per Tray	Color	Tray Stack																					
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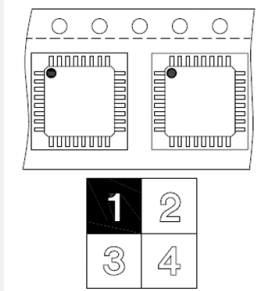
Packing Information: Tray

	Pre-change	Post Change
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (MMT)
Pin1 Orientation	No change (MTAI packing units)	 Pin 1
Desiccant and HIC	No change (MTAI packing units)	No Desiccant and HIC

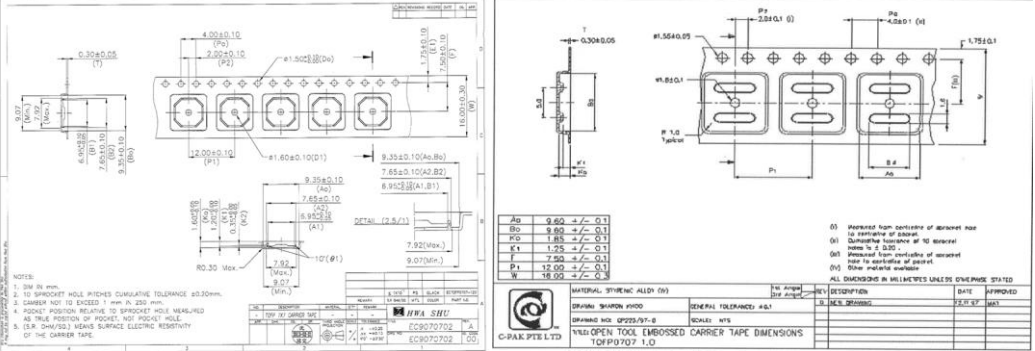
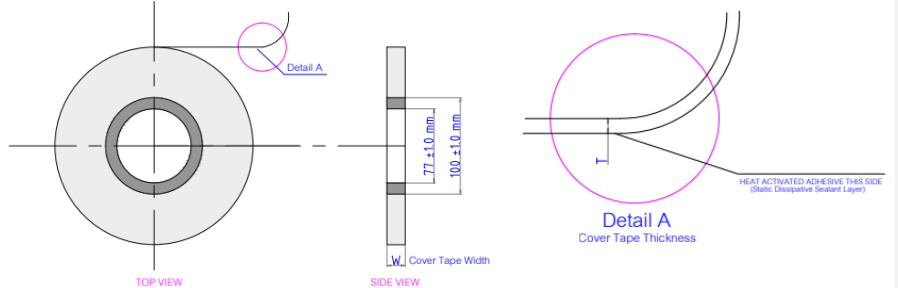
Packing Information: Tray (MSL-1&3)

	Pre-change	Post Change
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (MMT)
Packing Media	No change (MTAI packing units)	TRAY
Antistatic Shielding Bag/Moisture Barrier Bag/Packing Process	<p>Inner Box:</p> <p>No change (MTAI packing units)</p>	<p>For MSL-1</p> 
	<p>Antistatic Shielding Bag/Moisture Barrier Bag/Packing Process</p> <p>No change (MTAI packing units)</p>	<p>For MSL-3</p> 

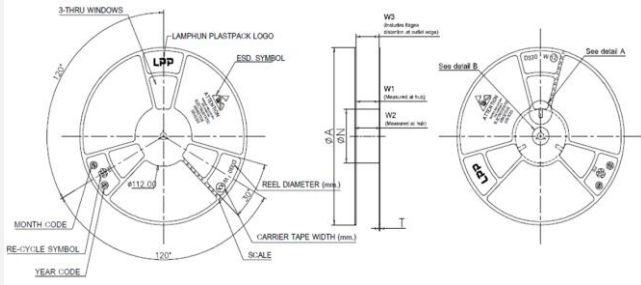
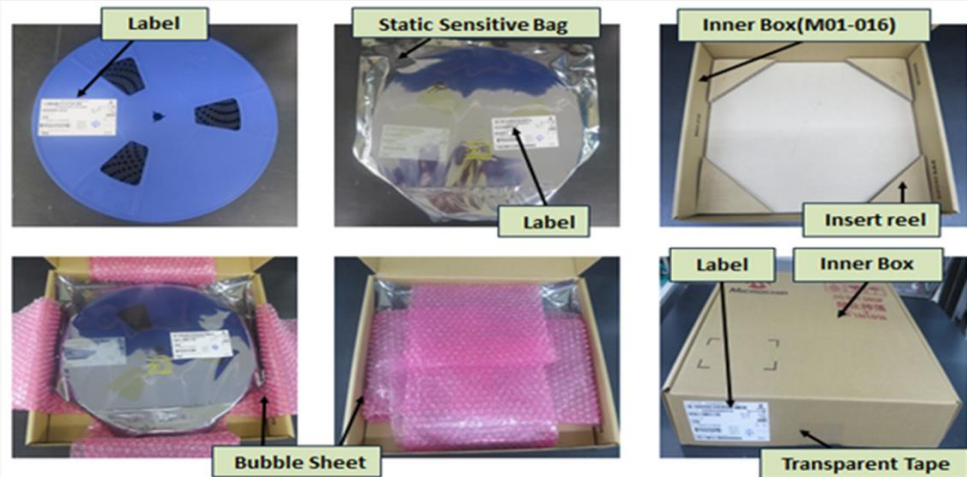
Packing Information: Tape and Reel

	Pre-Change	Post Change
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (MMT)
Packing Media	No change (MTAI packing units)	Tape and Reel
Base Quantity Multiple (BQM)	No change (MTAI packing units)	1000 per reel
Pin1 Orientation	No change (MTAI packing units)	
Quadrant	No change (MTAI packing units)	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <div style="background-color: #0070C0; color: white; padding: 2px; margin-bottom: 2px;">Pin 1 Orientation in T/R</div> <div style="padding: 2px;">Quadrant 1</div> </div>

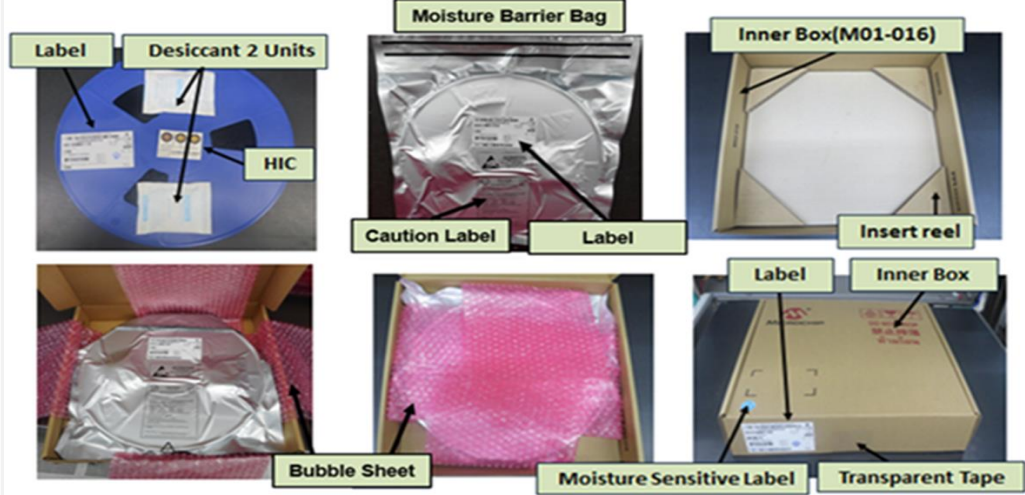
Packing Information: Tape and Reel

	Pre-change	Post Change																					
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (MMT)																					
Packing Media	No change (MTAI packing units)	Tape and Reel																					
Carrier Tape	No change (MTAI packing units)	 <table border="1"> <thead> <tr> <th>W (mm.)</th> <th>P (mm.)</th> <th>A0 (mm.)</th> <th>B0 (mm.)</th> <th>K0 (mm.)</th> <th>K1 (mm.)</th> <th>Thickness</th> </tr> </thead> <tbody> <tr> <td>16.00 ±0.30</td> <td>12.00 ±0.10</td> <td>9.35±0.10</td> <td>9.35 ±0.10</td> <td>1.60+0.05 -0.10</td> <td>1.20+0.00 -0.10</td> <td>0.30±0.05</td> </tr> <tr> <td>16.00 ±0.30</td> <td>12.00 ±0.10</td> <td>9.60±0.10</td> <td>9.60 ±0.10</td> <td>1.85±0.10</td> <td>1.25 ±0.10</td> <td>0.30±0.05</td> </tr> </tbody> </table>	W (mm.)	P (mm.)	A0 (mm.)	B0 (mm.)	K0 (mm.)	K1 (mm.)	Thickness	16.00 ±0.30	12.00 ±0.10	9.35±0.10	9.35 ±0.10	1.60+0.05 -0.10	1.20+0.00 -0.10	0.30±0.05	16.00 ±0.30	12.00 ±0.10	9.60±0.10	9.60 ±0.10	1.85±0.10	1.25 ±0.10	0.30±0.05
W (mm.)	P (mm.)	A0 (mm.)	B0 (mm.)	K0 (mm.)	K1 (mm.)	Thickness																	
16.00 ±0.30	12.00 ±0.10	9.35±0.10	9.35 ±0.10	1.60+0.05 -0.10	1.20+0.00 -0.10	0.30±0.05																	
16.00 ±0.30	12.00 ±0.10	9.60±0.10	9.60 ±0.10	1.85±0.10	1.25 ±0.10	0.30±0.05																	
Cover Tape	No change (MTAI packing units)	 <table border="1"> <thead> <tr> <th>Width W (mm.)</th> <th>Thickness T (mm.)</th> <th>Color</th> <th>Sealing Methodology</th> </tr> </thead> <tbody> <tr> <td>13.3 ±0.1</td> <td>0.050 ±0.010</td> <td>Clear</td> <td>Heat Seal</td> </tr> </tbody> </table>	Width W (mm.)	Thickness T (mm.)	Color	Sealing Methodology	13.3 ±0.1	0.050 ±0.010	Clear	Heat Seal													
Width W (mm.)	Thickness T (mm.)	Color	Sealing Methodology																				
13.3 ±0.1	0.050 ±0.010	Clear	Heat Seal																				

Packing Information: Tape and Reel

	Pre-change	Post Change								
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (MMT)								
Packing Media	No change (MTAI packing units)	Tape and Reel								
Reel	No change (MTAI packing units)	 <table border="1" data-bbox="1447 656 2425 771"> <thead> <tr> <th>Reel Diameter (mm.)</th> <th>Reel Hub Size (mm)</th> <th>Reel Width Max (mm.)</th> <th>Color</th> </tr> </thead> <tbody> <tr> <td>330 ±2.0</td> <td>100 ±2.0</td> <td>22.4</td> <td>Dark Blue</td> </tr> </tbody> </table>	Reel Diameter (mm.)	Reel Hub Size (mm)	Reel Width Max (mm.)	Color	330 ±2.0	100 ±2.0	22.4	Dark Blue
Reel Diameter (mm.)	Reel Hub Size (mm)	Reel Width Max (mm.)	Color							
330 ±2.0	100 ±2.0	22.4	Dark Blue							
Antistatic Shielding Bag/Moisture Barrier Bag/Packing Process for TQFP	No change (MTAI packing units)									

Packing Information: Tape and Reel

	Pre-change	Post Change				
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (MMT)				
Packing Media	No change (MTAI packing units)	Tape and Reel				
Antistatic Shielding Bag/Moisture Barrier Bag/Packing Process	No change (MTAI packing units)	 <table border="1" data-bbox="1651 901 2295 1008"> <thead> <tr> <th>Desiccant</th> <th>Humidity Indicator Card</th> </tr> </thead> <tbody> <tr> <td>2 units</td> <td>1 pcs</td> </tr> </tbody> </table>	Desiccant	Humidity Indicator Card	2 units	1 pcs
Desiccant	Humidity Indicator Card					
2 units	1 pcs					

CAAN-14HZNB152 - CCB 3192 SY898530UTZ-TX and SY898530UTZ-TR catalog part numbers (CPN) available in .

Affected Catalog Part Numbers(CPN)

SY898530UTZ

SY898530UTZ-TX

SY898530UTZ-TR