



Product Change Notification / MFOL-13IGZT584

Date:

24-Oct-2022

Product Category:

32-bit Microcontrollers, Smart Energy SOC

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5258 Final Notice: Implement new packing materials and packing changes for selected ATSAMxxx, AT91Rxxx, AT91Sxxx device families available in 100L LQFP (14x14x1.4mm) package.

Affected CPNs:

[MFOL-13IGZT584_Affected_CPN_10242022.pdf](#)

[MFOL-13IGZT584_Affected_CPN_10242022.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:Implement new packing materials and packing changes for selected ATSAMxxx, AT91Rxxx, AT91Sxxx device families available in 100L LQFP (14x14x1.4mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change

Final Test Site	ASE Test (ASE9)	ASE Test (ASE9)
Based Multiple Quantity (BQM)	1000	1000
Reel	With minor dimensional change. See Pre and Post change comparison.	
Carrier Tape	With minor dimensional change. See Pre and Post change comparison.	
Cover Tape	No dimensional change. See Pre and Post change comparison.	
Protective Band	No dimensional change. See Pre and Post change comparison.	

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability by implementing new packing materials and packing changes at ASE9 final test site.

Change Implementation Status:In Progress

Estimated First Ship Date:October 31, 2022 (date code: 2245)

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

Time Table Summary:

	October 2022				
Workweek	4 1	4 2	4 3	4 4	4 5
Qual Report Availability				x	
Final PCN Issue Date				x	
Estimated Implementation Date					x

Method to Identify Change:Traceability code

Qualification Report:Not applicable

Revision History:

October 24, 2022: Issued final notification. Provided estimated first ship date to be on October 31, 2022.

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

Attachments:

[PCN_MFOL-13IGZT584_Pre and Post Change Summary.pdf](#)

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

Terms and Conditions:

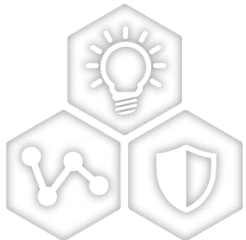
If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

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# 5258
PCN #: MFOL-13IGZT584



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


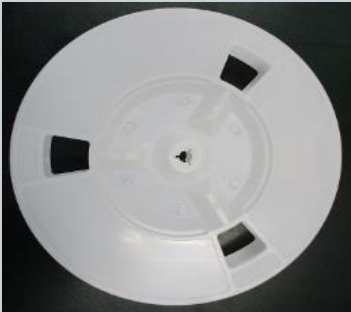
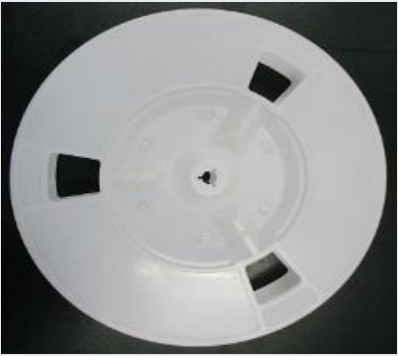


SMART | CONNECTED | SECURE

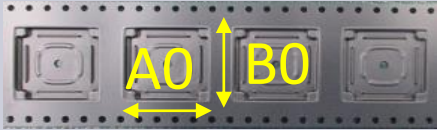
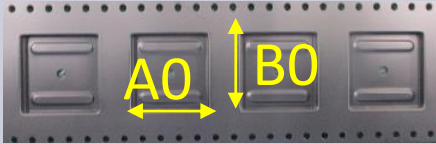
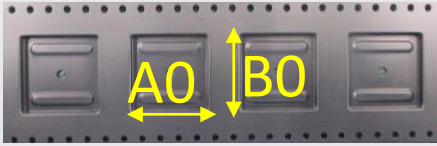
Pre and Post Change Summary – Tape and Reel

	Pre Change	Post Change
Base Quantity Multiple (BQM)	Units per reel: 1000 1 reel per bag	Units per reel: 1000 1 reel per bag

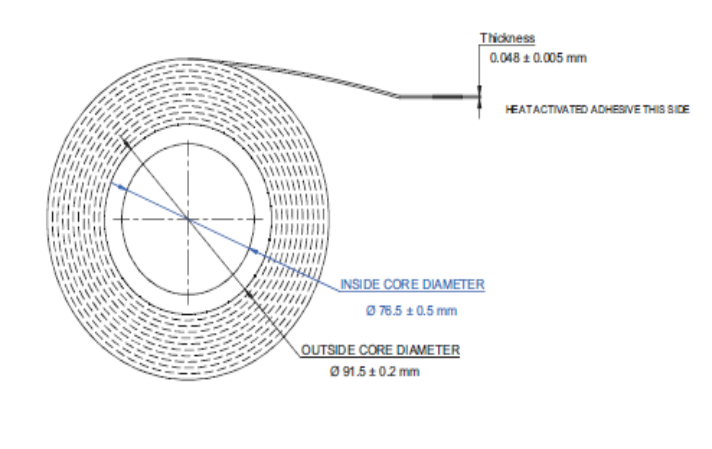
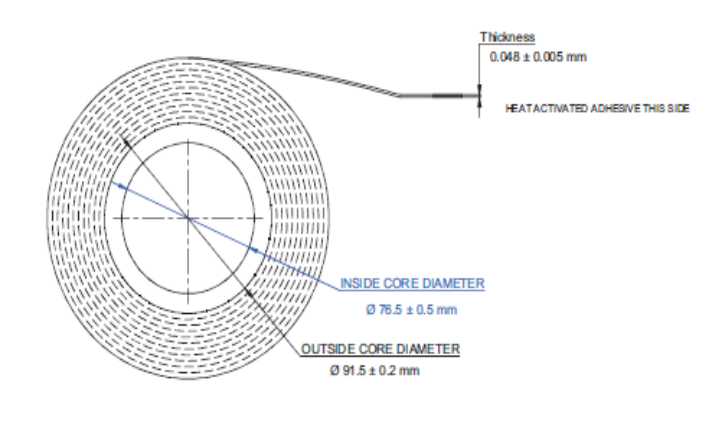
Pre and Post Change Summary – Reel

	Pre Change	Post Change
Reel	<div>Reel Design:</div> <div></div> <div>Reel Dia: 330 mm Reel Hub size: 177 mm</div>	<div>Reel Design:</div> <div></div> <div>Reel Dia: 330 mm Reel Hub size: 181.5 mm</div>
	<div>Reel Design:</div> <div></div> <div>Reel Dia: 330 mm Reel Hub size: 181.5 mm</div>	No Change

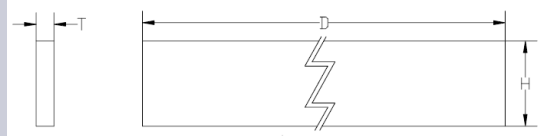
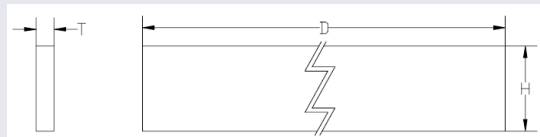
Pre and Post Summary - Carrier Tape

	Pre Change	Post Change
Carrier type	<p>Tape Pocket Design:</p>  <p>A0:18.0 B0: 18.0 (unit: mm) K0: 1.80 K1: 1.45 Tape width: 32 Pocket pitch: 24</p>	<p>Tape Pocket Design:</p>  <p>A0:16.5 B0: 16.5 (unit :mm) K0: 1.9 K1: 1.55 Tape width: 32 Pocket pitch: 24</p>
	<p>Tape Pocket Design:</p>  <p>A0:16.5 B0: 16.5 (unit :mm) K0: 1.9 K1: 1.55 Tape width: 32 Pocket pitch: 24</p>	<p>No Change</p>

Pre and Post Summary - Cover Tape

	Pre Change	Post Change
Cover type	<p>Band width: 25.5mm</p> 	No change
	<p>Band width: 25.5mm</p> 	No change

Pre and Post Summary – Protective Band

	Pre Change	Post Change																																				
Protective band	<table><tr><th>ADVANTEK P/N</th><th>NOMINAL TAPE WIDTH (MM)</th><th>DIMENSION "H" (MM)</th><th>THICKNESS "T" (MM)</th><th>LENGTH "D"=0.57M XXX=0.57</th><th>LENGTH "D"=XXX M (+/- 0.03 m)</th></tr><tr><td>PBXXX08UC(ST)</td><td>08</td><td>08.3 +0.7/-0.0</td><td rowspan="9">10 ± 0.1</td><td rowspan="9">0.57 ± 0.03</td><td rowspan="9">XXX: 057=0.57 m ; 060=0.60 m ; 063=0.63 m 109=1.09 m ; 117=1.17 m ; 120=1.20 m 124=1.24 m ; 140=1.40 m ; 143=1.43 m 218=2.18 m</td></tr><tr><td>PBXXX12UC(ST)</td><td>12</td><td>12.3 +0.7/-0.0</td></tr><tr><td>PBXXX16UC(ST)</td><td>16</td><td>16.3 +0.7/-0.0</td></tr><tr><td>PBXXX24UC(ST)</td><td>24</td><td>24.3 +0.7/-0.0</td></tr><tr><td>PBXXX32UC(ST)</td><td>32</td><td>32.3 +0.7/-0.0</td></tr><tr><td>PBXXX44UC(ST)</td><td>44</td><td>44.3 +0.7/-0.0</td></tr><tr><td>PBXXX56UC(ST)</td><td>56</td><td>56.3 +0.7/-0.0</td></tr><tr><td>PBXXX72UC(ST)</td><td>72</td><td>72.3 +0.7/-0.0</td></tr><tr><td>PBXXX88UC(ST)</td><td>88</td><td>88.3 +0.7/-0.0</td></tr></table> <div></div> <div>Length: 1090mm Band Width: 32.3mm</div> <div>NOTES: 1. Please refer to Tech Bulletins for related properties. 2. All Dimensions are for reference only. 3. P/Ns with the suffix of 'ST' are only for Taiwan market. (Refer to Tech bulletins)</div>	ADVANTEK P/N	NOMINAL TAPE WIDTH (MM)	DIMENSION "H" (MM)	THICKNESS "T" (MM)	LENGTH "D"=0.57M XXX=0.57	LENGTH "D"=XXX M (+/- 0.03 m)	PBXXX08UC(ST)	08	08.3 +0.7/-0.0	10 ± 0.1	0.57 ± 0.03	XXX: 057=0.57 m ; 060=0.60 m ; 063=0.63 m 109=1.09 m ; 117=1.17 m ; 120=1.20 m 124=1.24 m ; 140=1.40 m ; 143=1.43 m 218=2.18 m	PBXXX12UC(ST)	12	12.3 +0.7/-0.0	PBXXX16UC(ST)	16	16.3 +0.7/-0.0	PBXXX24UC(ST)	24	24.3 +0.7/-0.0	PBXXX32UC(ST)	32	32.3 +0.7/-0.0	PBXXX44UC(ST)	44	44.3 +0.7/-0.0	PBXXX56UC(ST)	56	56.3 +0.7/-0.0	PBXXX72UC(ST)	72	72.3 +0.7/-0.0	PBXXX88UC(ST)	88	88.3 +0.7/-0.0	No change
	ADVANTEK P/N	NOMINAL TAPE WIDTH (MM)	DIMENSION "H" (MM)	THICKNESS "T" (MM)	LENGTH "D"=0.57M XXX=0.57	LENGTH "D"=XXX M (+/- 0.03 m)																																
PBXXX08UC(ST)	08	08.3 +0.7/-0.0	10 ± 0.1	0.57 ± 0.03	XXX: 057=0.57 m ; 060=0.60 m ; 063=0.63 m 109=1.09 m ; 117=1.17 m ; 120=1.20 m 124=1.24 m ; 140=1.40 m ; 143=1.43 m 218=2.18 m																																	
PBXXX12UC(ST)	12	12.3 +0.7/-0.0																																				
PBXXX16UC(ST)	16	16.3 +0.7/-0.0																																				
PBXXX24UC(ST)	24	24.3 +0.7/-0.0																																				
PBXXX32UC(ST)	32	32.3 +0.7/-0.0																																				
PBXXX44UC(ST)	44	44.3 +0.7/-0.0																																				
PBXXX56UC(ST)	56	56.3 +0.7/-0.0																																				
PBXXX72UC(ST)	72	72.3 +0.7/-0.0																																				
PBXXX88UC(ST)	88	88.3 +0.7/-0.0																																				
	<table><tr><th>ADVANTEK P/N</th><th>NOMINAL TAPE WIDTH (MM)</th><th>DIMENSION "H" (MM)</th><th>THICKNESS "T" (MM)</th><th>LENGTH "D"=0.57M XXX=0.57</th><th>LENGTH "D"=XXX M (+/- 0.03 m)</th></tr><tr><td>PBXXX08UC(ST)</td><td>08</td><td>08.3 +0.7/-0.0</td><td rowspan="9">10 ± 0.1</td><td rowspan="9">0.57 ± 0.03</td><td rowspan="9">XXX: 057=0.57 m ; 060=0.60 m ; 063=0.63 m 109=1.09 m ; 117=1.17 m ; 120=1.20 m 124=1.24 m ; 140=1.40 m ; 143=1.43 m 218=2.18 m</td></tr><tr><td>PBXXX12UC(ST)</td><td>12</td><td>12.3 +0.7/-0.0</td></tr><tr><td>PBXXX16UC(ST)</td><td>16</td><td>16.3 +0.7/-0.0</td></tr><tr><td>PBXXX24UC(ST)</td><td>24</td><td>24.3 +0.7/-0.0</td></tr><tr><td>PBXXX32UC(ST)</td><td>32</td><td>32.3 +0.7/-0.0</td></tr><tr><td>PBXXX44UC(ST)</td><td>44</td><td>44.3 +0.7/-0.0</td></tr><tr><td>PBXXX56UC(ST)</td><td>56</td><td>56.3 +0.7/-0.0</td></tr><tr><td>PBXXX72UC(ST)</td><td>72</td><td>72.3 +0.7/-0.0</td></tr><tr><td>PBXXX88UC(ST)</td><td>88</td><td>88.3 +0.7/-0.0</td></tr></table> <div></div> <div>Length: 1090mm Band Width: 32.3mm</div> <div>NOTES: 1. Please refer to Tech Bulletins for related properties. 2. All Dimensions are for reference only. 3. P/Ns with the suffix of 'ST' are only for Taiwan market. (Refer to Tech bulletins)</div>	ADVANTEK P/N	NOMINAL TAPE WIDTH (MM)	DIMENSION "H" (MM)	THICKNESS "T" (MM)	LENGTH "D"=0.57M XXX=0.57	LENGTH "D"=XXX M (+/- 0.03 m)	PBXXX08UC(ST)	08	08.3 +0.7/-0.0	10 ± 0.1	0.57 ± 0.03	XXX: 057=0.57 m ; 060=0.60 m ; 063=0.63 m 109=1.09 m ; 117=1.17 m ; 120=1.20 m 124=1.24 m ; 140=1.40 m ; 143=1.43 m 218=2.18 m	PBXXX12UC(ST)	12	12.3 +0.7/-0.0	PBXXX16UC(ST)	16	16.3 +0.7/-0.0	PBXXX24UC(ST)	24	24.3 +0.7/-0.0	PBXXX32UC(ST)	32	32.3 +0.7/-0.0	PBXXX44UC(ST)	44	44.3 +0.7/-0.0	PBXXX56UC(ST)	56	56.3 +0.7/-0.0	PBXXX72UC(ST)	72	72.3 +0.7/-0.0	PBXXX88UC(ST)	88	88.3 +0.7/-0.0	No change
ADVANTEK P/N	NOMINAL TAPE WIDTH (MM)	DIMENSION "H" (MM)	THICKNESS "T" (MM)	LENGTH "D"=0.57M XXX=0.57	LENGTH "D"=XXX M (+/- 0.03 m)																																	
PBXXX08UC(ST)	08	08.3 +0.7/-0.0	10 ± 0.1	0.57 ± 0.03	XXX: 057=0.57 m ; 060=0.60 m ; 063=0.63 m 109=1.09 m ; 117=1.17 m ; 120=1.20 m 124=1.24 m ; 140=1.40 m ; 143=1.43 m 218=2.18 m																																	
PBXXX12UC(ST)	12	12.3 +0.7/-0.0																																				
PBXXX16UC(ST)	16	16.3 +0.7/-0.0																																				
PBXXX24UC(ST)	24	24.3 +0.7/-0.0																																				
PBXXX32UC(ST)	32	32.3 +0.7/-0.0																																				
PBXXX44UC(ST)	44	44.3 +0.7/-0.0																																				
PBXXX56UC(ST)	56	56.3 +0.7/-0.0																																				
PBXXX72UC(ST)	72	72.3 +0.7/-0.0																																				
PBXXX88UC(ST)	88	88.3 +0.7/-0.0																																				

MFOL-13IGZT584 - CCB 525 AT91Rxxx AT91Sxxx device families available in 100L LQFP (14x14x1.4mm) pac

Affected Catalog Part Numbers(CPN)

ATSAM4CMS32CB-AUR
ATSAM4CMP32CB-AUR
AT91R40008-66AU-999
AT91SAM7X512B-AUR
ATSAM3X4CA-AUR
ATSAM4E16CA-ANR
ATSAM4E8CA-ANR
ATSAM4E8CB-ANR
ATSAM4E16CA-AUR
ATSAM4E8CA-AUR
ATSAM4E16CB-ANR
ATSAMS70N20A-ANT
ATSAMS70N21A-ANT
ATSAME70N21A-ANT
ATSAME70N19A-ANT
ATSAME70N20B-ANT
ATSAMS70N20B-ANT
ATSAME70N21B-ANT
ATSAMS70N21B-ANT
AT91SAM7XC512B-AUR
ATSAM3A4CA-AUR
ATSAMS70N19A-ANT
ATSAME70N20A-ANT