

## PRODUCT / PROCESS CHANGE NOTIFICATION

### 1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.		ADG/21/12959
1.3 Title of PCN		SPC56x (FB74): Activation of TSMC as Additional Diffusion Plant
1.4 Product Category		see list
1.5 Issue date		2021-10-11

### 2. PCN Team

2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Luca RODESCHINI
2.2.2 Marketing Manager	Matteo MOIOLI
2.2.3 Quality Manager	Alberto MERVIC

### 3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Transfer	Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Wafer fabrication	Subcontractor TSMC (Taiwan) - Receiving Plant

### 4. Description of change

	Old	New
4.1 Description	ST Crolles (France) Diffusion Plant	ST Crolles (France) Diffusion Plant and Subcon. TSMC (Taiwan)
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No Impact	

### 5. Reason / motivation for change

5.1 Motivation	Dual source strategy
5.2 Customer Benefit	DOUBLE SOURCING

### 6. Marking of parts / traceability of change

6.1 Description	Dedicated Finished Good Codes
-----------------	-------------------------------

### 7. Timing / schedule

7.1 Date of qualification results	2022-09-30
7.2 Intended start of delivery	2022-11-30
7.3 Qualification sample available?	Upon Request

### 8. Qualification / Validation

8.1 Description	
8.2 Qualification report and qualification results	In progress

### 9. Attachments (additional documentations)

12959 Public product.pdf
12959 Details.pdf

10. Affected parts		
10. 1 Current		10.2 New (if applicable)
10.1.1 Customer Part No	10.1.2 Supplier Part No	10.1.2 Supplier Part No
	SPC564B64L7C9E0X	
	SPC56EC64L7B9E0Y	

**IMPORTANT NOTICE – PLEASE READ CAREFULLY**

Subject to any contractual arrangement in force with you or to any industry standard implemented by us, STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2018 STMicroelectronics – All rights reserved

## PRODUCT/PROCESS CHANGE NOTIFICATION

<b>TITLE</b>	SPC56x (FB74): Activation of TSMC as Additional Diffusion Plant
<b>IMPACTED PRODUCTS</b>	<p>ST silicon line FB74 assembled in LQFP 176 24x24x1.4 package:</p> <ul style="list-style-type: none"> <li>✚ SPC564B64L7C800Y</li> <li>✚ SPC564B64L7C9E0X</li> <li>✚ SPC564B70L7B9E0X</li> <li>✚ SPC564B74L7B8E0X</li> <li>✚ SPC564B74L7C8E0X</li> <li>✚ SPC564B74L7C9ECX</li> <li>✚ SPC56EC64L7B9E0X</li> <li>✚ SPC56EC64L7B9E0Y</li> <li>✚ SPC56EC70L7C9E0X</li> <li>✚ SPC56EC74L7C9ECY</li> </ul> <p>ST silicon line FB74 assembled in LQFP 208 28x28x1.4 package:</p> <ul style="list-style-type: none"> <li>✚ SPC564B64L8C9E0X</li> <li>✚ SPC56EC74L8C9E0X</li> </ul> <p>ST silicon line FB74 assembled in LBGA 256 17x17x1.7 package:</p> <ul style="list-style-type: none"> <li>✚ SPC564B74B3C9E0X</li> <li>✚ SPC56EC74B3C9EEX</li> </ul>
<b>MANUFACT. STEP</b>	Silicon Diffusion
<b>INVOLVED PLANT</b>	TSMC (recipient Plant – ST Subcontractor Fab14A 300mm located in Tainan (Taiwan) - Automotive qualified and certified IATF16949
<b>CHANGE DESCRIPTION</b>	<p>Activation of TSMC Fab14A as additional or alternative diffusion source.</p> <p>FB64 – Bolero1.5M, FB50 – Bolero 512K and FP50 – Pictus 512K, other automotive devices of the same Technology Platform, are currently running in TSMC – FB14A</p>

TRACEABILITY	Traceability will be guaranteed through the creation of dedicated Finished Good Codes																																																																																																																																																																																																																																																																																																																																																																																																																																													
VALIDATION	<table border="1"> <thead> <tr> <th data-bbox="456 547 543 572">Package</th> <th data-bbox="543 547 842 572">Commercial Product</th> <th data-bbox="842 547 1114 572">Crolles Finished Good</th> <th data-bbox="1114 547 1286 572">TSMC Finished Good</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 572 543 680" rowspan="10">LQFP 176 24x24</td><td data-bbox="543 572 842 606">SPC564B64L7C800Y</td><td data-bbox="842 572 1114 606">64B64L7C2800Y700</td><td data-bbox="1114 572 1286 606">64B64L7C2800Y709</td></tr> <tr> <td data-bbox="543 606 842 639">SPC564B64L7C9E0X</td><td data-bbox="842 606 1114 639">64B64L7C29E0X700</td><td data-bbox="1114 606 1286 639">64B64L7C29E0X709</td></tr> <tr> <td data-bbox="543 639 842 671">SPC564B70L7B9E0X</td><td data-bbox="842 639 1114 671">64B70L7B29E0X700</td><td data-bbox="1114 639 1286 671">64B70L7B29E0X709</td></tr> <tr> <td data-bbox="543 671 842 705">SPC564B74L7B8E0X</td><td data-bbox="842 671 1114 705">64B74L7B28E0X700</td><td data-bbox="1114 671 1286 705">64B74L7B28E0X709</td></tr> <tr> <td data-bbox="543 705 842 739">SPC564B74L7C8E0X</td><td data-bbox="842 705 1114 739">64B74L7C28E0X700</td><td data-bbox="1114 705 1286 739">64B74L7C28E0X709</td></tr> <tr> <td data-bbox="543 739 842 770">SPC564B74L7C9ECX</td><td data-bbox="842 739 1114 770">64B74L7C29ECX700</td><td data-bbox="1114 739 1286 770">64B74L7C29ECX709</td></tr> <tr> <td data-bbox="543 770 842 804">SPC56EC64L7B9E0X</td><td data-bbox="842 770 1114 804">6EC64L7B29E0X700</td><td data-bbox="1114 770 1286 804">6EC64L7B29E0X709</td></tr> <tr> <td data-bbox="543 804 842 836">SPC56EC64L7B9E0Y</td><td data-bbox="842 804 1114 836">6EC64L7B29E0Y700</td><td data-bbox="1114 804 1286 836">6EC64L7B29E0Y709</td></tr> <tr> <td data-bbox="543 836 842 870">SPC56EC70L7C9E0X</td><td data-bbox="842 836 1114 870">6EC70L7C29E0X700</td><td data-bbox="1114 836 1286 870">6EC70L7C29E0X709</td></tr> <tr> <td data-bbox="543 870 842 903">SPC56EC74L7C9ECY</td><td data-bbox="842 870 1114 903">6EC74L7C29ECY700</td><td data-bbox="1114 870 1286 903">6EC74L7C29ECY709</td></tr> <tr> <td data-bbox="456 903 543 977" rowspan="2">LQFP 208 28x28</td><td data-bbox="543 903 842 935">SPC564B64L8C9E0X</td><td data-bbox="842 903 1114 935">64B64L8C29E0X700</td><td data-bbox="1114 903 1286 935">64B64L8C29E0X709</td></tr> <tr> <td data-bbox="543 935 842 969">SPC56EC74L8C9E0X</td><td data-bbox="842 935 1114 969">6EC74L8C29E0X700</td><td data-bbox="1114 935 1286 969">6EC74L8C29E0X709</td></tr> <tr> <td data-bbox="456 969 543 1043" rowspan="2">LBGA 256 17x17</td><td data-bbox="543 969 842 1003">SPC564B74B3C9E0X</td><td data-bbox="842 969 1114 1003">64B74B3C29E0X70M</td><td data-bbox="1114 969 1286 1003">64B74B3C29E0X709</td></tr> <tr> <td data-bbox="543 1003 842 1034">SPC56EC74B3C9EEEX</td><td data-bbox="842 1003 1114 1034">6EC74B3C29EEEX70M</td><td data-bbox="1114 1003 1286 1034">6EC74B3C29EEEX709</td></tr> <tr> <td data-bbox="332 1034 419 1060">CURRENT PRODUCTS</td><td data-bbox="419 1034 1286 1060">According to ZVEI (AEC-Q100/Q006) recommendations, item SEM-PW-13 - Move all or parts of production to a different wafer fab site:</td></tr> <tr> <td data-bbox="332 1060 419 1784">VALIDATION</td><td data-bbox="419 1060 1286 1784"> <table border="1"> <thead> <tr> <th colspan="2" data-bbox="456 1125 494 1167">AEC-Q100 Revision H</th> <th colspan="2" data-bbox="494 1125 530 1167">Temperature Humidity Bias or biased HAST</th> <th colspan="2" data-bbox="530 1125 567 1167">Autoclave or Unbiased HAST</th> <th colspan="2" data-bbox="567 1125 605 1167">Temperature Cycling</th> <th colspan="2" data-bbox="605 1125 643 1167">Power Temperature Cycling</th> <th colspan="2" data-bbox="643 1125 680 1167">High Temperature Operating Life</th> <th colspan="2" data-bbox="680 1125 718 1167">Early Life Failure Rate</th> <th colspan="2" data-bbox="718 1125 753 1167">NVM Endurance, Data Retention, and Operational Life</th> <th colspan="2" data-bbox="753 1125 791 1167">Hot Carrier Injection</th> <th colspan="2" data-bbox="791 1125 829 1167">Electromigration</th> <th colspan="2" data-bbox="829 1125 866 1167">Time Depending Dielectric Breakdown</th> <th colspan="2" data-bbox="866 1125 904 1167">Stress Migration</th> <th colspan="2" data-bbox="904 1125 940 1167">Electronic Discharge Human Body Model</th> <th colspan="2" data-bbox="940 1125 977 1167">Electrostatic Discharge Charged Device Model</th> <th colspan="2" data-bbox="977 1125 1015 1167">Latch Up</th> <th colspan="2" data-bbox="1015 1125 1052 1167">Electrical Distribution</th> <th colspan="2" data-bbox="1052 1125 1090 1167">Hermetic Package Test</th> <th colspan="2" data-bbox="1090 1125 1126 1167">Die Shear</th> <th colspan="2" data-bbox="1126 1125 1163 1167">Parameter Analysis: Comparison of current with changed device characterization, electrical distribution</th> <th colspan="2" data-bbox="1163 1125 1201 1167">For Q1 Wire Products: Consider AEC-Q006</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 1167 494 1224">THB</td><td data-bbox="494 1167 530 1224">AC</td><td data-bbox="530 1167 567 1224">TC</td><td data-bbox="567 1167 605 1224">PTC</td><td data-bbox="605 1167 643 1224">HTOL</td><td data-bbox="643 1167 680 1224">ELFR</td><td data-bbox="680 1167 718 1224">EDR</td><td data-bbox="718 1167 753 1224">WBS</td><td data-bbox="753 1167 791 1224">WBP</td><td data-bbox="791 1167 829 1224">EM</td><td data-bbox="829 1167 866 1224">TDDB</td><td data-bbox="866 1167 904 1224">D1</td><td data-bbox="904 1167 940 1224">D2</td><td data-bbox="940 1167 977 1224">D3</td><td data-bbox="977 1167 1015 1224">D4</td><td data-bbox="1015 1167 1052 1224">NBTT</td><td data-bbox="1052 1167 1090 1224">SM</td><td data-bbox="1090 1167 1126 1224">E2</td><td data-bbox="1126 1167 1163 1224">E3</td><td data-bbox="1163 1167 1201 1224">CDM</td><td data-bbox="1201 1167 1238 1224">E4</td><td data-bbox="1238 1167 1276 1224">E5</td><td data-bbox="1276 1167 1313 1224">G1-4</td><td data-bbox="1313 1167 1349 1224">G7</td><td data-bbox="1349 1167 1387 1224">H</td><td data-bbox="1387 1167 1424 1224">H</td><td data-bbox="1424 1167 1462 1224">H</td><td data-bbox="1462 1167 1499 1224">H</td><td data-bbox="1499 1167 1535 1224">H</td><td data-bbox="1535 1167 1573 1224">H</td><td data-bbox="1573 1167 1610 1224">H</td><td data-bbox="1610 1167 1632 1224">H</td><td data-bbox="1648 1167 1632 1224">H</td><td data-bbox="1685 1167 1632 1224">H</td><td data-bbox="1721 1167 1632 1224">H</td><td data-bbox="1759 1167 1632 1224">H</td><td data-bbox="1796 1167 1632 1224">H</td><td data-bbox="1834 1167 1632 1224">H</td><td data-bbox="1871 1167 1632 1224">H</td><td data-bbox="1909 1167 1632 1224">H</td><td data-bbox="1945 1167 1632 1224">H</td><td data-bbox="1982 1167 1632 1224">H</td><td data-bbox="2020 1167 1632 1224">H</td><td data-bbox="2057 1167 1632 1224">H</td><td data-bbox="2095 1167 1632 1224">H</td><td data-bbox="2131 1167 1632 1224">H</td><td data-bbox="2168 1167 1632 1224">H</td><td data-bbox="2206 1167 1632 1224">H</td><td data-bbox="2244 1167 1632 1224">H</td><td data-bbox="2281 1167 1632 1224">H</td><td data-bbox="2317 1167 1632 1224">H</td><td data-bbox="2354 1167 1632 1224">H</td><td data-bbox="2392 1167 1632 1224">H</td><td data-bbox="2430 1167 1632 1224">H</td><td data-bbox="2467 1167 1632 1224">H</td><td data-bbox="2505 1167 1632 1224">H</td><td data-bbox="2541 1167 1632 1224">H</td><td data-bbox="2578 1167 1632 1224">H</td><td data-bbox="2616 1167 1632 1224">H</td><td data-bbox="2653 1167 1632 1224">H</td><td data-bbox="2691 1167 1632 1224">H</td><td data-bbox="2727 1167 1632 1224">H</td><td data-bbox="2764 1167 1632 1224">H</td><td data-bbox="2802 1167 1632 1224">H</td><td data-bbox="2839 1167 1632 1224">H</td><td data-bbox="2877 1167 1632 1224">H</td><td data-bbox="2913 1167 1632 1224">H</td><td data-bbox="2950 1167 1632 1224">H</td><td data-bbox="2988 1167 1632 1224">H</td><td data-bbox="3025 1167 1632 1224">H</td><td data-bbox="3063 1167 1632 1224">H</td><td data-bbox="3100 1167 1632 1224">H</td><td data-bbox="3136 1167 1632 1224">H</td><td data-bbox="3174 1167 1632 1224">H</td><td data-bbox="3211 1167 1632 1224">H</td><td data-bbox="3249 1167 1632 1224">H</td><td data-bbox="3286 1167 1632 1224">H</td><td data-bbox="3322 1167 1632 1224">H</td><td data-bbox="3360 1167 1632 1224">H</td><td data-bbox="3397 1167 1632 1224">H</td><td data-bbox="3435 1167 1632 1224">H</td><td data-bbox="3472 1167 1632 1224">H</td><td data-bbox="3508 1167 1632 1224">H</td><td data-bbox="3546 1167 1632 1224">H</td><td data-bbox="3583 1167 1632 1224">H</td><td data-bbox="3621 1167 1632 1224">H</td><td data-bbox="3658 1167 1632 1224">H</td><td data-bbox="3696 1167 1632 1224">H</td><td data-bbox="3732 1167 1632 1224">H</td><td data-bbox="3769 1167 1632 1224">H</td><td data-bbox="3807 1167 1632 1224">H</td><td data-bbox="3844 1167 1632 1224">H</td><td data-bbox="3882 1167 1632 1224">H</td><td data-bbox="3918 1167 1632 1224">H</td><td data-bbox="3955 1167 1632 1224">H</td><td data-bbox="3993 1167 1632 1224">H</td><td data-bbox="4031 1167 1632 1224">H</td><td data-bbox="4068 1167 1632 1224">H</td><td data-bbox="4104 1167 1632 1224">H</td><td data-bbox="4142 1167 1632 1224">H</td><td data-bbox="4179 1167 1632 1224">H</td><td data-bbox="4217 1167 1632 1224">H</td><td data-bbox="4254 1167 1632 1224">H</td><td data-bbox="4292 1167 1632 1224">H</td><td data-bbox="4328 1167 1632 1224">H</td><td data-bbox="4365 1167 1632 1224">H</td><td data-bbox="4403 1167 1632 1224">H</td><td data-bbox="4440 1167 1632 1224">H</td><td data-bbox="4478 1167 1632 1224">H</td><td data-bbox="4514 1167 1632 1224">H</td><td data-bbox="4551 1167 1632 1224">H</td><td data-bbox="4589 1167 1632 1224">H</td><td data-bbox="4626 1167 1632 1224">H</td><td data-bbox="4664 1167 1632 1224">H</td><td data-bbox="4700 1167 1632 1224">H</td><td data-bbox="4737 1167 1632 1224">H</td><td data-bbox="4775 1167 1632 1224">H</td><td data-bbox="4812 1167 1632 1224">H</td><td data-bbox="4850 1167 1632 1224">H</td><td data-bbox="4887 1167 1632 1224">H</td><td data-bbox="4923 1167 1632 1224">H</td><td data-bbox="4961 1167 1632 1224">H</td><td data-bbox="4998 1167 1632 1224">H</td><td data-bbox="5036 1167 1632 1224">H</td><td data-bbox="5073 1167 1632 1224">H</td><td data-bbox="5109 1167 1632 1224">H</td><td data-bbox="5147 1167 1632 1224">H</td><td data-bbox="5184 1167 1632 1224">H</td><td data-bbox="5222 1167 1632 1224">H</td><td data-bbox="5259 1167 1632 1224">H</td><td data-bbox="5295 1167 1632 1224">H</td><td data-bbox="5333 1167 1632 1224">H</td><td data-bbox="5370 1167 1632 1224">H</td><td data-bbox="5408 1167 1632 1224">H</td><td data-bbox="5445 1167 1632 1224">H</td><td data-bbox="5483 1167 1632 1224">H</td><td data-bbox="5519 1167 1632 1224">H</td><td data-bbox="5556 1167 1632 1224">H</td><td data-bbox="5594 1167 1632 1224">H</td><td data-bbox="5632 1167 1632 1224">H</td><td data-bbox="5669 1167 1632 1224">H</td><td data-bbox="5705 1167 1632 1224">H</td><td data-bbox="5743 1167 1632 1224">H</td><td data-bbox="5780 1167 1632 1224">H</td><td data-bbox="5818 1167 1632 1224">H</td><td data-bbox="5855 1167 1632 1224">H</td><td data-bbox="5891 1167 1632 1224">H</td><td data-bbox="5929 1167 1632 1224">H</td><td data-bbox="5966 1167 1632 1224">H</td><td data-bbox="6004 1167 1632 1224">H</td><td data-bbox="6041 1167 1632 1224">H</td><td data-bbox="6079 1167 1632 1224">H</td><td data-bbox="6115 1167 1632 1224">H</td><td data-bbox="6152 1167 1632 1224">H</td><td data-bbox="6190 1167 1632 1224">H</td><td data-bbox="6227 1167 1632 1224">H</td><td data-bbox="6265 1167 1632 1224">H</td><td data-bbox="6301 1167 1632 1224">H</td><td data-bbox="6338 1167 1632 1224">H</td><td data-bbox="6376 1167 1632 1224">H</td><td data-bbox="6413 1167 1632 1224">H</td><td data-bbox="6451 1167 1632 1224">H</td><td data-bbox="6487 1167 1632 1224">H</td><td data-bbox="6524 1167 1632 1224">H</td><td data-bbox="6562 1167 1632 1224">H</td><td data-bbox="6599 1167 1632 1224">H</td><td data-bbox="6637 1167 1632 1224">H</td><td data-bbox="6674 1167 1632 1224">H</td><td data-bbox="6710 1167 1632 1224">H</td><td data-bbox="6748 1167 1632 1224">H</td><td data-bbox="6785 1167 1632 1224">H</td><td data-bbox="6823 1167 1632 1224">H</td><td data-bbox="6860 1167 1632 1224">H</td><td data-bbox="6896 1167 1632 1224">H</td><td data-bbox="6934 1167 1632 1224">H</td><td data-bbox="6971 1167 1632 1224">H</td><td data-bbox="7009 1167 1632 1224">H</td><td data-bbox="7046 1167 1632 1224">H</td><td data-bbox="7082 1167 1632 1224">H</td><td data-bbox="7120 1167 1632 1224">H</td><td data-bbox="7157 1167 1632 1224">H</td><td data-bbox="7195 1167 1632 1224">H</td><td data-bbox="7233 1167 1632 1224">H</td><td data-bbox="7270 1167 1632 1224">H</td><td data-bbox="7306 1167 1632 1224">H</td><td data-bbox="7343 1167 1632 1224">H</td><td data-bbox="7381 1167 1632 1224">H</td><td data-bbox="7419 1167 1632 1224">H</td><td data-bbox="7456 1167 1632 1224">H</td><td data-bbox="7492 1167 1632 1224">H</td><td data-bbox="7530 1167 1632 1224">H</td><td data-bbox="7567 1167 1632 1224">H</td><td data-bbox="7605 1167 1632 1224">H</td><td data-bbox="7642 1167 1632 1224">H</td><td data-bbox="7678 1167 1632 1224">H</td><td data-bbox="7716 1167 1632 1224">H</td><td data-bbox="7753 1167 1632 1224">H</td><td data-bbox="7791 1167 1632 1224">H</td><td data-bbox="7828 1167 1632 1224">H</td><td data-bbox="7866 1167 1632 1224">H</td><td data-bbox="7902 1167 1632 1224">H</td><td data-bbox="7939 1167 1632 1224">H</td><td data-bbox="7977 1167 1632 1224">H</td><td data-bbox="8014 1167 1632 1224">H</td><td data-bbox="8052 1167 1632 1224">H</td><td data-bbox="8088 1167 1632 1224">H</td><td data-bbox="8125 1167 1632 1224">H</td><td data-bbox="8163 1167 1632 1224">H</td><td data-bbox="8200 1167 1632 1224">H</td><td data-bbox="8238 1167 1632 1224">H</td><td data-bbox="8274 1167 1632 1224">H</td><td data-bbox="8311 1167 1632 1224">H</td><td data-bbox="8349 1167 1632 1224">H</td><td data-bbox="8386 1167 1632 1224">H</td><td data-bbox="8424 1167 1632 1224">H</td><td data-bbox="8461 1167 1632 1224">H</td><td data-bbox="8497 1167 1632 1224">H</td><td data-bbox="8535 1167 1632 1224">H</td><td data-bbox="8572 1167 1632 1224">H</td><td data-bbox="8610 1167 1632 1224">H</td><td data-bbox="8647 1167 1632 1224">H</td><td data-bbox="8683 1167 1632 1224">H</td><td data-bbox="8721 1167 1632 1224">H</td><td data-bbox="8758 1167 1632 1224">H</td><td data-bbox="8796 1167 1632 1224">H</td><td data-bbox="8834 1167 1632 1224">H</td><td data-bbox="8869 1167 1632 1224">H</td><td data-bbox="8907 1167 1632 1224">H</td><td data-bbox="8944 1167 1632 1224">H</td><td data-bbox="8982 1167 1632 1224">H</td><td data-bbox="9020 1167 1632 1224">H</td><td data-bbox="9057 1167 1632 1224">H</td><td data-bbox="9093 1167 1632 1224">H</td><td data-bbox="9131 1167 1632 1224">H</td><td data-bbox="9168 1167 1632 1224">H</td><td data-bbox="9206 1167 1632 1224">H</td><td data-bbox="9243 1167 1632 1224">H</td><td data-bbox="9279 1167 1632 1224">H</td><td data-bbox="9317 1167 1632 1224">H</td><td data-bbox="9354 1167 1632 1224">H</td><td data-bbox="9392 1167 1632 1224">H</td><td data-bbox="9429 1167 1632 1224">H</td><td data-bbox="9465 1167 1632 1224">H</td><td data-bbox="9503 1167 1632 1224">H</td><td data-bbox="9540 1167 1632 1224">H</td><td data-bbox="9578 1167 1632 1224">H</td><td data-bbox="9615 1167 1632 1224">H</td><td data-bbox="9653 1167 1632 1224">H</td><td data-bbox="9689 1167 1632 1224">H</td><td data-bbox="9726 1167 1632 1224">H</td><td data-bbox="9764 1167 1632 1224">H</td><td data-bbox="9801 1167 1632 1224">H</td><td data-bbox="9839 1167 1632 1224">H</td><td data-bbox="9875 1167 1632 1224">H</td><td data-bbox="9912 1167 1632 1224">H</td><td data-bbox="9950 1167 1632 1224">H</td><td data-bbox="9987 1167 1632 1224">H</td><td data-bbox="10025 1167 1632 1224">H</td><td data-bbox="10061 1167 1632 1224">H</td><td data-bbox="10098 1167 1632 1224">H</td><td data-bbox="10136 1167 1632 1224">H</td><td data-bbox="10173 1167 1632 1224">H</td><td data-bbox="10211 1167 1632 1224">H</td><td data-bbox="10248 1167 1632 1224">H</td><td data-bbox="10284 1167 1632 1224">H</td><td data-bbox="10322 1167 1632 1224">H</td><td data-bbox="10359 1167 1632 1224">H</td><td data-bbox="10397 1167 1632 1224">H</td><td data-bbox="10435 1167 1632 1224">H</td><td data-bbox="10470 1167 1632 1224">H</td><td data-bbox="10508 1167 1632 1224">H</td><td data-bbox="10545 1167 1632 1224">H</td><td data-bbox="10583 1167 1632 1224">H</td><td data-bbox="10621 1167 1632 1224">H</td><td data-bbox="10656 1167 1632 1224">H</td><td data-bbox="10694 1167 1632 1224">H</td><td data-bbox="10732 1167 1632 1224">H</td><td data-bbox="10769 1167 1632 1224">H</td><td data-bbox="10807 1167 1632 1224">H</td><td data-bbox="10844 1167 1632 1224">H</td><td data-bbox="10880 1167 1632 1224">H</td><td data-bbox="10918 1167 1632 1224">H</td><td data-bbox="10955 1167 1632 1224">H</td><td data-bbox="10993 1167 1632 1224">H</td><td data-bbox="11030 1167 1632 1224">H</td><td data-bbox="11066 1167 1632 1224">H</td><td data-bbox="11104 1167 1632 1224">H</td><td data-bbox="11141 1167 1632 1224">H</td><td data-bbox="11179 1167 1632 1224">H</td><td data-bbox="11216 1167 1632 1224">H</td><td data-bbox="11252 1167 1632 1224">H</td><td data-bbox="11290 1167 1632 1224">H</td><td data-bbox="11327 1167 1632 1224">H</td><td data-bbox="11365 1167 1632 1224">H</td><td data-bbox="11402 1167 1632 1224">H</td><td data-bbox="11440 1167 1632 1224">H</td><td data-bbox="11476 1167 1632 1224">H</td><td data-bbox="11513 1167 1632 1224">H</td><td data-bbox="11551 1167 1632 1224">H</td><td data-bbox="11588 1167 1632 1224">H</td><td data-bbox="11626 1167 1632 1224">H</td><td data-bbox="11662 1167 1632 1224">H</td><td data-bbox="11699 1167 1632 1224">H</td><td data-bbox="11737 1167 1632 1224">H</td><td data-bbox="11774 1167 1632 1224">H</td><td data-bbox="11812 1167 1632 1224">H</td><td data-bbox="11848 1167 1632 1224">H</td><td data-bbox="11885 1167 1632 1224">H</td><td data-bbox="11923 1167 1632 1224">H</td><td data-bbox="11960 1167 1632 1224">H</td><td data-bbox="11998 1167 1632 1224">H</td><td data-bbox="12036 1167 1632 1224">H</td><td data-bbox="12071 1167 1632 1224">H</td><td data-bbox="12109 1167 1632 1224">H</td><td data-bbox="12146 1167 1632 1224">H</td><td data-bbox="12184 1167 1632 1224">H</td><td data-bbox="12222 1167 1632 1224">H</td><td data-bbox="12257 1167 1632 1224">H</td><td data-bbox="12295 1167 1632 1224">H</td><td data-bbox="12333 1167 1632 1224">H</td><td data-bbox="12370 1167 1632 1224">H</td><td data-bbox="12408 1167 1632 1224">H</td><td data-bbox="12444 1167 1632 1224">H</td><td data-bbox="12481 1167 1632 1224">H</td><td data-bbox="12519 1167 1632 1224">H</td><td data-bbox="12556 1167 1632 1224">H</td><td data-bbox="12594 1167 1632 1224">H</td><td data-bbox="12631 1167 1632 1224">H</td><td data-bbox="12667 1167 1632 1224">H</td><td data-bbox="12705 1167 1632 1224">H</td><td data-bbox="12742 1167 1632 1224">H</td><td data-bbox="12780 1167 1632 1224">H</td><td data-bbox="12817 1167 1632 1224">H</td><td data-bbox="12853 1167 1632 1224">H</td><td data-bbox="12891 1167 1632 1224">H</td><td data-bbox="12928 1167 1632 1224">H</td>&lt;td data-bbox="10298 513 1032</tr></tbody></table></td></tr></tbody></table>	Package	Commercial Product	Crolles Finished Good	TSMC Finished Good	LQFP 176 24x24	SPC564B64L7C800Y	64B64L7C2800Y700	64B64L7C2800Y709	SPC564B64L7C9E0X	64B64L7C29E0X700	64B64L7C29E0X709	SPC564B70L7B9E0X	64B70L7B29E0X700	64B70L7B29E0X709	SPC564B74L7B8E0X	64B74L7B28E0X700	64B74L7B28E0X709	SPC564B74L7C8E0X	64B74L7C28E0X700	64B74L7C28E0X709	SPC564B74L7C9ECX	64B74L7C29ECX700	64B74L7C29ECX709	SPC56EC64L7B9E0X	6EC64L7B29E0X700	6EC64L7B29E0X709	SPC56EC64L7B9E0Y	6EC64L7B29E0Y700	6EC64L7B29E0Y709	SPC56EC70L7C9E0X	6EC70L7C29E0X700	6EC70L7C29E0X709	SPC56EC74L7C9ECY	6EC74L7C29ECY700	6EC74L7C29ECY709	LQFP 208 28x28	SPC564B64L8C9E0X	64B64L8C29E0X700	64B64L8C29E0X709	SPC56EC74L8C9E0X	6EC74L8C29E0X700	6EC74L8C29E0X709	LBGA 256 17x17	SPC564B74B3C9E0X	64B74B3C29E0X70M	64B74B3C29E0X709	SPC56EC74B3C9EEEX	6EC74B3C29EEEX70M	6EC74B3C29EEEX709	CURRENT PRODUCTS	According to ZVEI (AEC-Q100/Q006) recommendations, item SEM-PW-13 - Move all or parts of production to a different wafer fab site:	VALIDATION	<table border="1"> <thead> <tr> <th colspan="2" data-bbox="456 1125 494 1167">AEC-Q100 Revision H</th> <th colspan="2" data-bbox="494 1125 530 1167">Temperature Humidity Bias or biased HAST</th> <th colspan="2" data-bbox="530 1125 567 1167">Autoclave or Unbiased HAST</th> <th colspan="2" data-bbox="567 1125 605 1167">Temperature Cycling</th> <th colspan="2" data-bbox="605 1125 643 1167">Power Temperature Cycling</th> <th colspan="2" data-bbox="643 1125 680 1167">High Temperature Operating Life</th> <th colspan="2" data-bbox="680 1125 718 1167">Early Life Failure Rate</th> <th colspan="2" data-bbox="718 1125 753 1167">NVM Endurance, Data Retention, and Operational Life</th> <th colspan="2" data-bbox="753 1125 791 1167">Hot Carrier Injection</th> <th colspan="2" data-bbox="791 1125 829 1167">Electromigration</th> <th colspan="2" data-bbox="829 1125 866 1167">Time Depending Dielectric Breakdown</th> <th colspan="2" data-bbox="866 1125 904 1167">Stress Migration</th> <th colspan="2" data-bbox="904 1125 940 1167">Electronic Discharge Human Body Model</th> <th colspan="2" data-bbox="940 1125 977 1167">Electrostatic Discharge Charged Device Model</th> <th colspan="2" data-bbox="977 1125 1015 1167">Latch Up</th> <th colspan="2" data-bbox="1015 1125 1052 1167">Electrical Distribution</th> <th colspan="2" data-bbox="1052 1125 1090 1167">Hermetic Package Test</th> <th colspan="2" data-bbox="1090 1125 1126 1167">Die Shear</th> <th colspan="2" data-bbox="1126 1125 1163 1167">Parameter Analysis: Comparison of current with changed device characterization, electrical distribution</th> <th colspan="2" data-bbox="1163 1125 1201 1167">For Q1 Wire Products: Consider AEC-Q006</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 1167 494 1224">THB</td><td data-bbox="494 1167 530 1224">AC</td><td data-bbox="530 1167 567 1224">TC</td><td data-bbox="567 1167 605 1224">PTC</td><td data-bbox="605 1167 643 1224">HTOL</td><td data-bbox="643 1167 680 1224">ELFR</td><td data-bbox="680 1167 718 1224">EDR</td><td data-bbox="718 1167 753 1224">WBS</td><td data-bbox="753 1167 791 1224">WBP</td><td data-bbox="791 1167 829 1224">EM</td><td data-bbox="829 1167 866 1224">TDDB</td><td data-bbox="866 1167 904 1224">D1</td><td data-bbox="904 1167 940 1224">D2</td><td data-bbox="940 1167 977 1224">D3</td><td data-bbox="977 1167 1015 1224">D4</td><td data-bbox="1015 1167 1052 1224">NBTT</td><td data-bbox="1052 1167 1090 1224">SM</td><td data-bbox="1090 1167 1126 1224">E2</td><td data-bbox="1126 1167 1163 1224">E3</td><td data-bbox="1163 1167 1201 1224">CDM</td><td data-bbox="1201 1167 1238 1224">E4</td><td data-bbox="1238 1167 1276 1224">E5</td><td data-bbox="1276 1167 1313 1224">G1-4</td><td data-bbox="1313 1167 1349 1224">G7</td><td data-bbox="1349 1167 1387 1224">H</td><td data-bbox="1387 1167 1424 1224">H</td><td data-bbox="1424 1167 1462 1224">H</td><td data-bbox="1462 1167 1499 1224">H</td><td data-bbox="1499 1167 1535 1224">H</td><td data-bbox="1535 1167 1573 1224">H</td><td data-bbox="1573 1167 1610 1224">H</td><td data-bbox="1610 1167 1632 1224">H</td><td data-bbox="1648 1167 1632 1224">H</td><td data-bbox="1685 1167 1632 1224">H</td><td data-bbox="1721 1167 1632 1224">H</td><td data-bbox="1759 1167 1632 1224">H</td><td data-bbox="1796 1167 1632 1224">H</td><td data-bbox="1834 1167 1632 1224">H</td><td data-bbox="1871 1167 1632 1224">H</td><td data-bbox="1909 1167 1632 1224">H</td><td data-bbox="1945 1167 1632 1224">H</td><td data-bbox="1982 1167 1632 1224">H</td><td data-bbox="2020 1167 1632 1224">H</td><td data-bbox="2057 1167 1632 1224">H</td><td data-bbox="2095 1167 1632 1224">H</td><td data-bbox="2131 1167 1632 1224">H</td><td data-bbox="2168 1167 1632 1224">H</td><td data-bbox="2206 1167 1632 1224">H</td><td data-bbox="2244 1167 1632 1224">H</td><td data-bbox="2281 1167 1632 1224">H</td><td data-bbox="2317 1167 1632 1224">H</td><td data-bbox="2354 1167 1632 1224">H</td><td data-bbox="2392 1167 1632 1224">H</td><td data-bbox="2430 1167 1632 1224">H</td><td data-bbox="2467 1167 1632 1224">H</td><td data-bbox="2505 1167 1632 1224">H</td><td data-bbox="2541 1167 1632 1224">H</td><td data-bbox="2578 1167 1632 1224">H</td><td data-bbox="2616 1167 1632 1224">H</td><td data-bbox="2653 1167 1632 1224">H</td><td data-bbox="2691 1167 1632 1224">H</td><td data-bbox="2727 1167 1632 1224">H</td><td data-bbox="2764 1167 1632 1224">H</td><td data-bbox="2802 1167 1632 1224">H</td><td data-bbox="2839 1167 1632 1224">H</td><td data-bbox="2877 1167 1632 1224">H</td><td data-bbox="2913 1167 1632 1224">H</td><td data-bbox="2950 1167 1632 1224">H</td><td data-bbox="2988 1167 1632 1224">H</td><td data-bbox="3025 1167 1632 1224">H</td><td data-bbox="3063 1167 1632 1224">H</td><td data-bbox="3100 1167 1632 1224">H</td><td data-bbox="3136 1167 1632 1224">H</td><td data-bbox="3174 1167 1632 1224">H</td><td data-bbox="3211 1167 1632 1224">H</td><td data-bbox="3249 1167 1632 1224">H</td><td data-bbox="3286 1167 1632 1224">H</td><td data-bbox="3322 1167 1632 1224">H</td><td data-bbox="3360 1167 1632 1224">H</td><td data-bbox="3397 1167 1632 1224">H</td><td data-bbox="3435 1167 1632 1224">H</td><td data-bbox="3472 1167 1632 1224">H</td><td data-bbox="3508 1167 1632 1224">H</td><td data-bbox="3546 1167 1632 1224">H</td><td data-bbox="3583 1167 1632 1224">H</td><td data-bbox="3621 1167 1632 1224">H</td><td data-bbox="3658 1167 1632 1224">H</td><td data-bbox="3696 1167 1632 1224">H</td><td data-bbox="3732 1167 1632 1224">H</td><td data-bbox="3769 1167 1632 1224">H</td><td data-bbox="3807 1167 1632 1224">H</td><td data-bbox="3844 1167 1632 1224">H</td><td data-bbox="3882 1167 1632 1224">H</td><td data-bbox="3918 1167 1632 1224">H</td><td data-bbox="3955 1167 1632 1224">H</td><td data-bbox="3993 1167 1632 1224">H</td><td data-bbox="4031 1167 1632 1224">H</td><td data-bbox="4068 1167 1632 1224">H</td><td data-bbox="4104 1167 1632 1224">H</td><td data-bbox="4142 1167 1632 1224">H</td><td data-bbox="4179 1167 1632 1224">H</td><td data-bbox="4217 1167 1632 1224">H</td><td data-bbox="4254 1167 1632 1224">H</td><td data-bbox="4292 1167 1632 1224">H</td><td data-bbox="4328 1167 1632 1224">H</td><td data-bbox="4365 1167 1632 1224">H</td><td data-bbox="4403 1167 1632 1224">H</td><td data-bbox="4440 1167 1632 1224">H</td><td data-bbox="4478 1167 1632 1224">H</td><td data-bbox="4514 1167 1632 1224">H</td><td data-bbox="4551 1167 1632 1224">H</td><td data-bbox="4589 1167 1632 1224">H</td><td data-bbox="4626 1167 1632 1224">H</td><td data-bbox="4664 1167 1632 1224">H</td><td data-bbox="4700 1167 1632 1224">H</td><td data-bbox="4737 1167 1632 1224">H</td><td data-bbox="4775 1167 1632 1224">H</td><td data-bbox="4812 1167 1632 1224">H</td><td data-bbox="4850 1167 1632 1224">H</td><td data-bbox="4887 1167 1632 1224">H</td><td data-bbox="4923 1167 1632 1224">H</td><td data-bbox="4961 1167 1632 1224">H</td><td data-bbox="4998 1167 1632 1224">H</td><td data-bbox="5036 1167 1632 1224">H</td><td data-bbox="5073 1167 1632 1224">H</td><td data-bbox="5109 1167 1632 1224">H</td><td data-bbox="5147 1167 1632 1224">H</td><td data-bbox="5184 1167 1632 1224">H</td><td data-bbox="5222 1167 1632 1224">H</td><td data-bbox="5259 1167 1632 1224">H</td><td data-bbox="5295 1167 1632 1224">H</td><td data-bbox="5333 1167 1632 1224">H</td><td data-bbox="5370 1167 1632 1224">H</td><td data-bbox="5408 1167 1632 1224">H</td><td data-bbox="5445 1167 1632 1224">H</td><td data-bbox="5483 1167 1632 1224">H</td><td data-bbox="5519 1167 1632 1224">H</td><td data-bbox="5556 1167 1632 1224">H</td><td data-bbox="5594 1167 1632 1224">H</td><td data-bbox="5632 1167 1632 1224">H</td><td data-bbox="5669 1167 1632 1224">H</td><td data-bbox="5705 1167 1632 1224">H</td><td data-bbox="5743 1167 1632 1224">H</td><td data-bbox="5780 1167 1632 1224">H</td><td data-bbox="5818 1167 1632 1224">H</td><td data-bbox="5855 1167 1632 1224">H</td><td data-bbox="5891 1167 1632 1224">H</td><td data-bbox="5929 1167 1632 1224">H</td><td data-bbox="5966 1167 1632 1224">H</td><td data-bbox="6004 1167 1632 1224">H</td><td data-bbox="6041 1167 1632 1224">H</td><td data-bbox="6079 1167 1632 1224">H</td><td data-bbox="6115 1167 1632 1224">H</td><td data-bbox="6152 1167 1632 1224">H</td><td data-bbox="6190 1167 1632 1224">H</td><td data-bbox="6227 1167 1632 1224">H</td><td data-bbox="6265 1167 1632 1224">H</td><td data-bbox="6301 1167 1632 1224">H</td><td data-bbox="6338 1167 1632 1224">H</td><td data-bbox="6376 1167 1632 1224">H</td><td data-bbox="6413 1167 1632 1224">H</td><td data-bbox="6451 1167 1632 1224">H</td><td data-bbox="6487 1167 1632 1224">H</td><td data-bbox="6524 1167 1632 1224">H</td><td data-bbox="6562 1167 1632 1224">H</td><td data-bbox="6599 1167 1632 1224">H</td><td data-bbox="6637 1167 1632 1224">H</td><td data-bbox="6674 1167 1632 1224">H</td><td data-bbox="6710 1167 1632 1224">H</td><td data-bbox="6748 1167 1632 1224">H</td><td data-bbox="6785 1167 1632 1224">H</td><td data-bbox="6823 1167 1632 1224">H</td><td data-bbox="6860 1167 1632 1224">H</td><td data-bbox="6896 1167 1632 1224">H</td><td data-bbox="6934 1167 1632 1224">H</td><td data-bbox="6971 1167 1632 1224">H</td><td data-bbox="7009 1167 1632 1224">H</td><td data-bbox="7046 1167 1632 1224">H</td><td data-bbox="7082 1167 1632 1224">H</td><td data-bbox="7120 1167 1632 1224">H</td><td data-bbox="7157 1167 1632 1224">H</td><td data-bbox="7195 1167 1632 1224">H</td><td data-bbox="7233 1167 1632 1224">H</td><td data-bbox="7270 1167 1632 1224">H</td><td data-bbox="7306 1167 1632 1224">H</td><td data-bbox="7343 1167 1632 1224">H</td><td data-bbox="7381 1167 1632 1224">H</td><td data-bbox="7419 1167 1632 1224">H</td><td data-bbox="7456 1167 1632 1224">H</td><td data-bbox="7492 1167 1632 1224">H</td><td data-bbox="7530 1167 1632 1224">H</td><td data-bbox="7567 1167 1632 1224">H</td><td data-bbox="7605 1167 1632 1224">H</td><td data-bbox="7642 1167 1632 1224">H</td><td data-bbox="7678 1167 1632 1224">H</td><td data-bbox="7716 1167 1632 1224">H</td><td data-bbox="7753 1167 1632 1224">H</td><td data-bbox="7791 1167 1632 1224">H</td><td data-bbox="7828 1167 1632 1224">H</td><td data-bbox="7866 1167 1632 1224">H</td><td data-bbox="7902 1167 1632 1224">H</td><td data-bbox="7939 1167 1632 1224">H</td><td data-bbox="7977 1167 1632 1224">H</td><td data-bbox="8014 1167 1632 1224">H</td><td data-bbox="8052 1167 1632 1224">H</td><td data-bbox="8088 1167 1632 1224">H</td><td data-bbox="8125 1167 1632 1224">H</td><td data-bbox="8163 1167 1632 1224">H</td><td data-bbox="8200 1167 1632 1224">H</td><td data-bbox="8238 1167 1632 1224">H</td><td data-bbox="8274 1167 1632 1224">H</td><td data-bbox="8311 1167 1632 1224">H</td><td data-bbox="8349 1167 1632 1224">H</td><td data-bbox="8386 1167 1632 1224">H</td><td data-bbox="8424 1167 1632 1224">H</td><td data-bbox="8461 1167 1632 1224">H</td><td data-bbox="8497 1167 1632 1224">H</td><td data-bbox="8535 1167 1632 1224">H</td><td data-bbox="8572 1167 1632 1224">H</td><td data-bbox="8610 1167 1632 1224">H</td><td data-bbox="8647 1167 1632 1224">H</td><td data-bbox="8683 1167 1632 1224">H</td><td data-bbox="8721 1167 1632 1224">H</td><td data-bbox="8758 1167 1632 1224">H</td><td data-bbox="8796 1167 1632 1224">H</td><td data-bbox="8834 1167 1632 1224">H</td><td data-bbox="8869 1167 1632 1224">H</td><td data-bbox="8907 1167 1632 1224">H</td><td data-bbox="8944 1167 1632 1224">H</td><td data-bbox="8982 1167 1632 1224">H</td><td data-bbox="9020 1167 1632 1224">H</td><td data-bbox="9057 1167 1632 1224">H</td><td data-bbox="9093 1167 1632 1224">H</td><td data-bbox="9131 1167 1632 1224">H</td><td data-bbox="9168 1167 1632 1224">H</td><td data-bbox="9206 1167 1632 1224">H</td><td data-bbox="9243 1167 1632 1224">H</td><td data-bbox="9279 1167 1632 1224">H</td><td data-bbox="9317 1167 1632 1224">H</td><td data-bbox="9354 1167 1632 1224">H</td><td data-bbox="9392 1167 1632 1224">H</td><td data-bbox="9429 1167 1632 1224">H</td><td data-bbox="9465 1167 1632 1224">H</td><td data-bbox="9503 1167 1632 1224">H</td><td data-bbox="9540 1167 1632 1224">H</td><td data-bbox="9578 1167 1632 1224">H</td><td data-bbox="9615 1167 1632 1224">H</td><td data-bbox="9653 1167 1632 1224">H</td><td data-bbox="9689 1167 1632 1224">H</td><td data-bbox="9726 1167 1632 1224">H</td><td data-bbox="9764 1167 1632 1224">H</td><td data-bbox="9801 1167 1632 1224">H</td><td data-bbox="9839 1167 1632 1224">H</td><td data-bbox="9875 1167 1632 1224">H</td><td data-bbox="9912 1167 1632 1224">H</td><td data-bbox="9950 1167 1632 1224">H</td><td data-bbox="9987 1167 1632 1224">H</td><td data-bbox="10025 1167 1632 1224">H</td><td data-bbox="10061 1167 1632 1224">H</td><td data-bbox="10098 1167 1632 1224">H</td><td data-bbox="10136 1167 1632 1224">H</td><td data-bbox="10173 1167 1632 1224">H</td><td data-bbox="10211 1167 1632 1224">H</td><td data-bbox="10248 1167 1632 1224">H</td><td data-bbox="10284 1167 1632 1224">H</td><td data-bbox="10322 1167 1632 1224">H</td><td data-bbox="10359 1167 1632 1224">H</td><td data-bbox="10397 1167 1632 1224">H</td><td data-bbox="10435 1167 1632 1224">H</td><td data-bbox="10470 1167 1632 1224">H</td><td data-bbox="10508 1167 1632 1224">H</td><td data-bbox="10545 1167 1632 1224">H</td><td data-bbox="10583 1167 1632 1224">H</td><td data-bbox="10621 1167 1632 1224">H</td><td data-bbox="10656 1167 1632 1224">H</td><td data-bbox="10694 1167 1632 1224">H</td><td data-bbox="10732 1167 1632 1224">H</td><td data-bbox="10769 1167 1632 1224">H</td><td data-bbox="10807 1167 1632 1224">H</td><td data-bbox="10844 1167 1632 1224">H</td><td data-bbox="10880 1167 1632 1224">H</td><td data-bbox="10918 1167 1632 1224">H</td><td data-bbox="10955 1167 1632 1224">H</td><td data-bbox="10993 1167 1632 1224">H</td><td data-bbox="11030 1167 1632 1224">H</td><td data-bbox="11066 1167 1632 1224">H</td><td data-bbox="11104 1167 1632 1224">H</td><td data-bbox="11141 1167 1632 1224">H</td><td data-bbox="11179 1167 1632 1224">H</td><td data-bbox="11216 1167 1632 1224">H</td><td data-bbox="11252 1167 1632 1224">H</td><td data-bbox="11290 1167 1632 1224">H</td><td data-bbox="11327 1167 1632 1224">H</td><td data-bbox="11365 1167 1632 1224">H</td><td data-bbox="11402 1167 1632 1224">H</td><td data-bbox="11440 1167 1632 1224">H</td><td data-bbox="11476 1167 1632 1224">H</td><td data-bbox="11513 1167 1632 1224">H</td><td data-bbox="11551 1167 1632 1224">H</td><td data-bbox="11588 1167 1632 1224">H</td><td data-bbox="11626 1167 1632 1224">H</td><td data-bbox="11662 1167 1632 1224">H</td><td data-bbox="11699 1167 1632 1224">H</td><td data-bbox="11737 1167 1632 1224">H</td><td data-bbox="11774 1167 1632 1224">H</td><td data-bbox="11812 1167 1632 1224">H</td><td data-bbox="11848 1167 1632 1224">H</td><td data-bbox="11885 1167 1632 1224">H</td><td data-bbox="11923 1167 1632 1224">H</td><td data-bbox="11960 1167 1632 1224">H</td><td data-bbox="11998 1167 1632 1224">H</td><td data-bbox="12036 1167 1632 1224">H</td><td data-bbox="12071 1167 1632 1224">H</td><td data-bbox="12109 1167 1632 1224">H</td><td data-bbox="12146 1167 1632 1224">H</td><td data-bbox="12184 1167 1632 1224">H</td><td data-bbox="12222 1167 1632 1224">H</td><td data-bbox="12257 1167 1632 1224">H</td><td data-bbox="12295 1167 1632 1224">H</td><td data-bbox="12333 1167 1632 1224">H</td><td data-bbox="12370 1167 1632 1224">H</td><td data-bbox="12408 1167 1632 1224">H</td><td data-bbox="12444 1167 1632 1224">H</td><td data-bbox="12481 1167 1632 1224">H</td><td data-bbox="12519 1167 1632 1224">H</td><td data-bbox="12556 1167 1632 1224">H</td><td data-bbox="12594 1167 1632 1224">H</td><td data-bbox="12631 1167 1632 1224">H</td><td data-bbox="12667 1167 1632 1224">H</td><td data-bbox="12705 1167 1632 1224">H</td><td data-bbox="12742 1167 1632 1224">H</td><td data-bbox="12780 1167 1632 1224">H</td><td data-bbox="12817 1167 1632 1224">H</td><td data-bbox="12853 1167 1632 1224">H</td><td data-bbox="12891 1167 1632 1224">H</td><td data-bbox="12928 1167 1632 1224">H</td>&lt;td data-bbox="10298 513 1032</tr></tbody></table>	AEC-Q100 Revision H		Temperature Humidity Bias or biased HAST		Autoclave or Unbiased HAST		Temperature Cycling		Power Temperature Cycling		High Temperature Operating Life		Early Life Failure Rate		NVM Endurance, Data Retention, and Operational Life		Hot Carrier Injection		Electromigration		Time Depending Dielectric Breakdown		Stress Migration		Electronic Discharge Human Body Model		Electrostatic Discharge Charged Device Model		Latch Up		Electrical Distribution		Hermetic Package Test		Die Shear		Parameter Analysis: Comparison of current with changed device characterization, electrical distribution		For Q1 Wire Products: Consider AEC-Q006		THB	AC	TC	PTC	HTOL	ELFR	EDR	WBS	WBP	EM	TDDB	D1	D2	D3	D4	NBTT	SM	E2	E3	CDM	E4	E5	G1-4	G7	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
Package	Commercial Product	Crolles Finished Good	TSMC Finished Good																																																																																																																																																																																																																																																																																																																																																																																																																																											
LQFP 176 24x24	SPC564B64L7C800Y	64B64L7C2800Y700	64B64L7C2800Y709																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SPC564B64L7C9E0X	64B64L7C29E0X700	64B64L7C29E0X709																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SPC564B70L7B9E0X	64B70L7B29E0X700	64B70L7B29E0X709																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SPC564B74L7B8E0X	64B74L7B28E0X700	64B74L7B28E0X709																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SPC564B74L7C8E0X	64B74L7C28E0X700	64B74L7C28E0X709																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SPC564B74L7C9ECX	64B74L7C29ECX700	64B74L7C29ECX709																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SPC56EC64L7B9E0X	6EC64L7B29E0X700	6EC64L7B29E0X709																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SPC56EC64L7B9E0Y	6EC64L7B29E0Y700	6EC64L7B29E0Y709																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SPC56EC70L7C9E0X	6EC70L7C29E0X700	6EC70L7C29E0X709																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SPC56EC74L7C9ECY	6EC74L7C29ECY700	6EC74L7C29ECY709																																																																																																																																																																																																																																																																																																																																																																																																																																											
LQFP 208 28x28	SPC564B64L8C9E0X	64B64L8C29E0X700	64B64L8C29E0X709																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SPC56EC74L8C9E0X	6EC74L8C29E0X700	6EC74L8C29E0X709																																																																																																																																																																																																																																																																																																																																																																																																																																											
LBGA 256 17x17	SPC564B74B3C9E0X	64B74B3C29E0X70M	64B74B3C29E0X709																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SPC56EC74B3C9EEEX	6EC74B3C29EEEX70M	6EC74B3C29EEEX709																																																																																																																																																																																																																																																																																																																																																																																																																																											
CURRENT PRODUCTS	According to ZVEI (AEC-Q100/Q006) recommendations, item SEM-PW-13 - Move all or parts of production to a different wafer fab site:																																																																																																																																																																																																																																																																																																																																																																																																																																													
VALIDATION	<table border="1"> <thead> <tr> <th colspan="2" data-bbox="456 1125 494 1167">AEC-Q100 Revision H</th> <th colspan="2" data-bbox="494 1125 530 1167">Temperature Humidity Bias or biased HAST</th> <th colspan="2" data-bbox="530 1125 567 1167">Autoclave or Unbiased HAST</th> <th colspan="2" data-bbox="567 1125 605 1167">Temperature Cycling</th> <th colspan="2" data-bbox="605 1125 643 1167">Power Temperature Cycling</th> <th colspan="2" data-bbox="643 1125 680 1167">High Temperature Operating Life</th> <th colspan="2" data-bbox="680 1125 718 1167">Early Life Failure Rate</th> <th colspan="2" data-bbox="718 1125 753 1167">NVM Endurance, Data Retention, and Operational Life</th> <th colspan="2" data-bbox="753 1125 791 1167">Hot Carrier Injection</th> <th colspan="2" data-bbox="791 1125 829 1167">Electromigration</th> <th colspan="2" data-bbox="829 1125 866 1167">Time Depending Dielectric Breakdown</th> <th colspan="2" data-bbox="866 1125 904 1167">Stress Migration</th> <th colspan="2" data-bbox="904 1125 940 1167">Electronic Discharge Human Body Model</th> <th colspan="2" data-bbox="940 1125 977 1167">Electrostatic Discharge Charged Device Model</th> <th colspan="2" data-bbox="977 1125 1015 1167">Latch Up</th> <th colspan="2" data-bbox="1015 1125 1052 1167">Electrical Distribution</th> <th colspan="2" data-bbox="1052 1125 1090 1167">Hermetic Package Test</th> <th colspan="2" data-bbox="1090 1125 1126 1167">Die Shear</th> <th colspan="2" data-bbox="1126 1125 1163 1167">Parameter Analysis: Comparison of current with changed device characterization, electrical distribution</th> <th colspan="2" data-bbox="1163 1125 1201 1167">For Q1 Wire Products: Consider AEC-Q006</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 1167 494 1224">THB</td><td data-bbox="494 1167 530 1224">AC</td><td data-bbox="530 1167 567 1224">TC</td><td data-bbox="567 1167 605 1224">PTC</td><td data-bbox="605 1167 643 1224">HTOL</td><td data-bbox="643 1167 680 1224">ELFR</td><td data-bbox="680 1167 718 1224">EDR</td><td data-bbox="718 1167 753 1224">WBS</td><td data-bbox="753 1167 791 1224">WBP</td><td data-bbox="791 1167 829 1224">EM</td><td data-bbox="829 1167 866 1224">TDDB</td><td data-bbox="866 1167 904 1224">D1</td><td data-bbox="904 1167 940 1224">D2</td><td data-bbox="940 1167 977 1224">D3</td><td data-bbox="977 1167 1015 1224">D4</td><td data-bbox="1015 1167 1052 1224">NBTT</td><td data-bbox="1052 1167 1090 1224">SM</td><td data-bbox="1090 1167 1126 1224">E2</td><td data-bbox="1126 1167 1163 1224">E3</td><td data-bbox="1163 1167 1201 1224">CDM</td><td data-bbox="1201 1167 1238 1224">E4</td><td data-bbox="1238 1167 1276 1224">E5</td><td data-bbox="1276 1167 1313 1224">G1-4</td><td data-bbox="1313 1167 1349 1224">G7</td><td data-bbox="1349 1167 1387 1224">H</td><td data-bbox="1387 1167 1424 1224">H</td><td data-bbox="1424 1167 1462 1224">H</td><td data-bbox="1462 1167 1499 1224">H</td><td data-bbox="1499 1167 1535 1224">H</td><td data-bbox="1535 1167 1573 1224">H</td><td data-bbox="1573 1167 1610 1224">H</td><td data-bbox="1610 1167 1632 1224">H</td><td data-bbox="1648 1167 1632 1224">H</td><td data-bbox="1685 1167 1632 1224">H</td><td data-bbox="1721 1167 1632 1224">H</td><td data-bbox="1759 1167 1632 1224">H</td><td data-bbox="1796 1167 1632 1224">H</td><td data-bbox="1834 1167 1632 1224">H</td><td data-bbox="1871 1167 1632 1224">H</td><td data-bbox="1909 1167 1632 1224">H</td><td data-bbox="1945 1167 1632 1224">H</td><td data-bbox="1982 1167 1632 1224">H</td><td data-bbox="2020 1167 1632 1224">H</td><td data-bbox="2057 1167 1632 1224">H</td><td data-bbox="2095 1167 1632 1224">H</td><td data-bbox="2131 1167 1632 1224">H</td><td data-bbox="2168 1167 1632 1224">H</td><td data-bbox="2206 1167 1632 1224">H</td><td data-bbox="2244 1167 1632 1224">H</td><td data-bbox="2281 1167 1632 1224">H</td><td data-bbox="2317 1167 1632 1224">H</td><td data-bbox="2354 1167 1632 1224">H</td><td data-bbox="2392 1167 1632 1224">H</td><td data-bbox="2430 1167 1632 1224">H</td><td data-bbox="2467 1167 1632 1224">H</td><td data-bbox="2505 1167 1632 1224">H</td><td data-bbox="2541 1167 1632 1224">H</td><td data-bbox="2578 1167 1632 1224">H</td><td data-bbox="2616 1167 1632 1224">H</td><td data-bbox="2653 1167 1632 1224">H</td><td data-bbox="2691 1167 1632 1224">H</td><td data-bbox="2727 1167 1632 1224">H</td><td data-bbox="2764 1167 1632 1224">H</td><td data-bbox="2802 1167 1632 1224">H</td><td data-bbox="2839 1167 1632 1224">H</td><td data-bbox="2877 1167 1632 1224">H</td><td data-bbox="2913 1167 1632 1224">H</td><td data-bbox="2950 1167 1632 1224">H</td><td data-bbox="2988 1167 1632 1224">H</td><td data-bbox="3025 1167 1632 1224">H</td><td data-bbox="3063 1167 1632 1224">H</td><td data-bbox="3100 1167 1632 1224">H</td><td data-bbox="3136 1167 1632 1224">H</td><td data-bbox="3174 1167 1632 1224">H</td><td data-bbox="3211 1167 1632 1224">H</td><td data-bbox="3249 1167 1632 1224">H</td><td data-bbox="3286 1167 1632 1224">H</td><td data-bbox="3322 1167 1632 1224">H</td><td data-bbox="3360 1167 1632 1224">H</td><td data-bbox="3397 1167 1632 1224">H</td><td data-bbox="3435 1167 1632 1224">H</td><td data-bbox="3472 1167 1632 1224">H</td><td data-bbox="3508 1167 1632 1224">H</td><td data-bbox="3546 1167 1632 1224">H</td><td data-bbox="3583 1167 1632 1224">H</td><td data-bbox="3621 1167 1632 1224">H</td><td data-bbox="3658 1167 1632 1224">H</td><td data-bbox="3696 1167 1632 1224">H</td><td data-bbox="3732 1167 1632 1224">H</td><td data-bbox="3769 1167 1632 1224">H</td><td data-bbox="3807 1167 1632 1224">H</td><td data-bbox="3844 1167 1632 1224">H</td><td data-bbox="3882 1167 1632 1224">H</td><td data-bbox="3918 1167 1632 1224">H</td><td data-bbox="3955 1167 1632 1224">H</td><td data-bbox="3993 1167 1632 1224">H</td><td data-bbox="4031 1167 1632 1224">H</td><td data-bbox="4068 1167 1632 1224">H</td><td data-bbox="4104 1167 1632 1224">H</td><td data-bbox="4142 1167 1632 1224">H</td><td data-bbox="4179 1167 1632 1224">H</td><td data-bbox="4217 1167 1632 1224">H</td><td data-bbox="4254 1167 1632 1224">H</td><td data-bbox="4292 1167 1632 1224">H</td><td data-bbox="4328 1167 1632 1224">H</td><td data-bbox="4365 1167 1632 1224">H</td><td data-bbox="4403 1167 1632 1224">H</td><td data-bbox="4440 1167 1632 1224">H</td><td data-bbox="4478 1167 1632 1224">H</td><td data-bbox="4514 1167 1632 1224">H</td><td data-bbox="4551 1167 1632 1224">H</td><td data-bbox="4589 1167 1632 1224">H</td><td data-bbox="4626 1167 1632 1224">H</td><td data-bbox="4664 1167 1632 1224">H</td><td data-bbox="4700 1167 1632 1224">H</td><td data-bbox="4737 1167 1632 1224">H</td><td data-bbox="4775 1167 1632 1224">H</td><td data-bbox="4812 1167 1632 1224">H</td><td data-bbox="4850 1167 1632 1224">H</td><td data-bbox="4887 1167 1632 1224">H</td><td data-bbox="4923 1167 1632 1224">H</td><td data-bbox="4961 1167 1632 1224">H</td><td data-bbox="4998 1167 1632 1224">H</td><td data-bbox="5036 1167 1632 1224">H</td><td data-bbox="5073 1167 1632 1224">H</td><td data-bbox="5109 1167 1632 1224">H</td><td data-bbox="5147 1167 1632 1224">H</td><td data-bbox="5184 1167 1632 1224">H</td><td data-bbox="5222 1167 1632 1224">H</td><td data-bbox="5259 1167 1632 1224">H</td><td data-bbox="5295 1167 1632 1224">H</td><td data-bbox="5333 1167 1632 1224">H</td><td data-bbox="5370 1167 1632 1224">H</td><td data-bbox="5408 1167 1632 1224">H</td><td data-bbox="5445 1167 1632 1224">H</td><td data-bbox="5483 1167 1632 1224">H</td><td data-bbox="5519 1167 1632 1224">H</td><td data-bbox="5556 1167 1632 1224">H</td><td data-bbox="5594 1167 1632 1224">H</td><td data-bbox="5632 1167 1632 1224">H</td><td data-bbox="5669 1167 1632 1224">H</td><td data-bbox="5705 1167 1632 1224">H</td><td data-bbox="5743 1167 1632 1224">H</td><td data-bbox="5780 1167 1632 1224">H</td><td data-bbox="5818 1167 1632 1224">H</td><td data-bbox="5855 1167 1632 1224">H</td><td data-bbox="5891 1167 1632 1224">H</td><td data-bbox="5929 1167 1632 1224">H</td><td data-bbox="5966 1167 1632 1224">H</td><td data-bbox="6004 1167 1632 1224">H</td><td data-bbox="6041 1167 1632 1224">H</td><td data-bbox="6079 1167 1632 1224">H</td><td data-bbox="6115 1167 1632 1224">H</td><td data-bbox="6152 1167 1632 1224">H</td><td data-bbox="6190 1167 1632 1224">H</td><td data-bbox="6227 1167 1632 1224">H</td><td data-bbox="6265 1167 1632 1224">H</td><td data-bbox="6301 1167 1632 1224">H</td><td data-bbox="6338 1167 1632 1224">H</td><td data-bbox="6376 1167 1632 1224">H</td><td data-bbox="6413 1167 1632 1224">H</td><td data-bbox="6451 1167 1632 1224">H</td><td data-bbox="6487 1167 1632 1224">H</td><td data-bbox="6524 1167 1632 1224">H</td><td data-bbox="6562 1167 1632 1224">H</td><td data-bbox="6599 1167 1632 1224">H</td><td data-bbox="6637 1167 1632 1224">H</td><td data-bbox="6674 1167 1632 1224">H</td><td data-bbox="6710 1167 1632 1224">H</td><td data-bbox="6748 1167 1632 1224">H</td><td data-bbox="6785 1167 1632 1224">H</td><td data-bbox="6823 1167 1632 1224">H</td><td data-bbox="6860 1167 1632 1224">H</td><td data-bbox="6896 1167 1632 1224">H</td><td data-bbox="6934 1167 1632 1224">H</td><td data-bbox="6971 1167 1632 1224">H</td><td data-bbox="7009 1167 1632 1224">H</td><td data-bbox="7046 1167 1632 1224">H</td><td data-bbox="7082 1167 1632 1224">H</td><td data-bbox="7120 1167 1632 1224">H</td><td data-bbox="7157 1167 1632 1224">H</td><td data-bbox="7195 1167 1632 1224">H</td><td data-bbox="7233 1167 1632 1224">H</td><td data-bbox="7270 1167 1632 1224">H</td><td data-bbox="7306 1167 1632 1224">H</td><td data-bbox="7343 1167 1632 1224">H</td><td data-bbox="7381 1167 1632 1224">H</td><td data-bbox="7419 1167 1632 1224">H</td><td data-bbox="7456 1167 1632 1224">H</td><td data-bbox="7492 1167 1632 1224">H</td><td data-bbox="7530 1167 1632 1224">H</td><td data-bbox="7567 1167 1632 1224">H</td><td data-bbox="7605 1167 1632 1224">H</td><td data-bbox="7642 1167 1632 1224">H</td><td data-bbox="7678 1167 1632 1224">H</td><td data-bbox="7716 1167 1632 1224">H</td><td data-bbox="7753 1167 1632 1224">H</td><td data-bbox="7791 1167 1632 1224">H</td><td data-bbox="7828 1167 1632 1224">H</td><td data-bbox="7866 1167 1632 1224">H</td><td data-bbox="7902 1167 1632 1224">H</td><td data-bbox="7939 1167 1632 1224">H</td><td data-bbox="7977 1167 1632 1224">H</td><td data-bbox="8014 1167 1632 1224">H</td><td data-bbox="8052 1167 1632 1224">H</td><td data-bbox="8088 1167 1632 1224">H</td><td data-bbox="8125 1167 1632 1224">H</td><td data-bbox="8163 1167 1632 1224">H</td><td data-bbox="8200 1167 1632 1224">H</td><td data-bbox="8238 1167 1632 1224">H</td><td data-bbox="8274 1167 1632 1224">H</td><td data-bbox="8311 1167 1632 1224">H</td><td data-bbox="8349 1167 1632 1224">H</td><td data-bbox="8386 1167 1632 1224">H</td><td data-bbox="8424 1167 1632 1224">H</td><td data-bbox="8461 1167 1632 1224">H</td><td data-bbox="8497 1167 1632 1224">H</td><td data-bbox="8535 1167 1632 1224">H</td><td data-bbox="8572 1167 1632 1224">H</td><td data-bbox="8610 1167 1632 1224">H</td><td data-bbox="8647 1167 1632 1224">H</td><td data-bbox="8683 1167 1632 1224">H</td><td data-bbox="8721 1167 1632 1224">H</td><td data-bbox="8758 1167 1632 1224">H</td><td data-bbox="8796 1167 1632 1224">H</td><td data-bbox="8834 1167 1632 1224">H</td><td data-bbox="8869 1167 1632 1224">H</td><td data-bbox="8907 1167 1632 1224">H</td><td data-bbox="8944 1167 1632 1224">H</td><td data-bbox="8982 1167 1632 1224">H</td><td data-bbox="9020 1167 1632 1224">H</td><td data-bbox="9057 1167 1632 1224">H</td><td data-bbox="9093 1167 1632 1224">H</td><td data-bbox="9131 1167 1632 1224">H</td><td data-bbox="9168 1167 1632 1224">H</td><td data-bbox="9206 1167 1632 1224">H</td><td data-bbox="9243 1167 1632 1224">H</td><td data-bbox="9279 1167 1632 1224">H</td><td data-bbox="9317 1167 1632 1224">H</td><td data-bbox="9354 1167 1632 1224">H</td><td data-bbox="9392 1167 1632 1224">H</td><td data-bbox="9429 1167 1632 1224">H</td><td data-bbox="9465 1167 1632 1224">H</td><td data-bbox="9503 1167 1632 1224">H</td><td data-bbox="9540 1167 1632 1224">H</td><td data-bbox="9578 1167 1632 1224">H</td><td data-bbox="9615 1167 1632 1224">H</td><td data-bbox="9653 1167 1632 1224">H</td><td data-bbox="9689 1167 1632 1224">H</td><td data-bbox="9726 1167 1632 1224">H</td><td data-bbox="9764 1167 1632 1224">H</td><td data-bbox="9801 1167 1632 1224">H</td><td data-bbox="9839 1167 1632 1224">H</td><td data-bbox="9875 1167 1632 1224">H</td><td data-bbox="9912 1167 1632 1224">H</td><td data-bbox="9950 1167 1632 1224">H</td><td data-bbox="9987 1167 1632 1224">H</td><td data-bbox="10025 1167 1632 1224">H</td><td data-bbox="10061 1167 1632 1224">H</td><td data-bbox="10098 1167 1632 1224">H</td><td data-bbox="10136 1167 1632 1224">H</td><td data-bbox="10173 1167 1632 1224">H</td><td data-bbox="10211 1167 1632 1224">H</td><td data-bbox="10248 1167 1632 1224">H</td><td data-bbox="10284 1167 1632 1224">H</td><td data-bbox="10322 1167 1632 1224">H</td><td data-bbox="10359 1167 1632 1224">H</td><td data-bbox="10397 1167 1632 1224">H</td><td data-bbox="10435 1167 1632 1224">H</td><td data-bbox="10470 1167 1632 1224">H</td><td data-bbox="10508 1167 1632 1224">H</td><td data-bbox="10545 1167 1632 1224">H</td><td data-bbox="10583 1167 1632 1224">H</td><td data-bbox="10621 1167 1632 1224">H</td><td data-bbox="10656 1167 1632 1224">H</td><td data-bbox="10694 1167 1632 1224">H</td><td data-bbox="10732 1167 1632 1224">H</td><td data-bbox="10769 1167 1632 1224">H</td><td data-bbox="10807 1167 1632 1224">H</td><td data-bbox="10844 1167 1632 1224">H</td><td data-bbox="10880 1167 1632 1224">H</td><td data-bbox="10918 1167 1632 1224">H</td><td data-bbox="10955 1167 1632 1224">H</td><td data-bbox="10993 1167 1632 1224">H</td><td data-bbox="11030 1167 1632 1224">H</td><td data-bbox="11066 1167 1632 1224">H</td><td data-bbox="11104 1167 1632 1224">H</td><td data-bbox="11141 1167 1632 1224">H</td><td data-bbox="11179 1167 1632 1224">H</td><td data-bbox="11216 1167 1632 1224">H</td><td data-bbox="11252 1167 1632 1224">H</td><td data-bbox="11290 1167 1632 1224">H</td><td data-bbox="11327 1167 1632 1224">H</td><td data-bbox="11365 1167 1632 1224">H</td><td data-bbox="11402 1167 1632 1224">H</td><td data-bbox="11440 1167 1632 1224">H</td><td data-bbox="11476 1167 1632 1224">H</td><td data-bbox="11513 1167 1632 1224">H</td><td data-bbox="11551 1167 1632 1224">H</td><td data-bbox="11588 1167 1632 1224">H</td><td data-bbox="11626 1167 1632 1224">H</td><td data-bbox="11662 1167 1632 1224">H</td><td data-bbox="11699 1167 1632 1224">H</td><td data-bbox="11737 1167 1632 1224">H</td><td data-bbox="11774 1167 1632 1224">H</td><td data-bbox="11812 1167 1632 1224">H</td><td data-bbox="11848 1167 1632 1224">H</td><td data-bbox="11885 1167 1632 1224">H</td><td data-bbox="11923 1167 1632 1224">H</td><td data-bbox="11960 1167 1632 1224">H</td><td data-bbox="11998 1167 1632 1224">H</td><td data-bbox="12036 1167 1632 1224">H</td><td data-bbox="12071 1167 1632 1224">H</td><td data-bbox="12109 1167 1632 1224">H</td><td data-bbox="12146 1167 1632 1224">H</td><td data-bbox="12184 1167 1632 1224">H</td><td data-bbox="12222 1167 1632 1224">H</td><td data-bbox="12257 1167 1632 1224">H</td><td data-bbox="12295 1167 1632 1224">H</td><td data-bbox="12333 1167 1632 1224">H</td><td data-bbox="12370 1167 1632 1224">H</td><td data-bbox="12408 1167 1632 1224">H</td><td data-bbox="12444 1167 1632 1224">H</td><td data-bbox="12481 1167 1632 1224">H</td><td data-bbox="12519 1167 1632 1224">H</td><td data-bbox="12556 1167 1632 1224">H</td><td data-bbox="12594 1167 1632 1224">H</td><td data-bbox="12631 1167 1632 1224">H</td><td data-bbox="12667 1167 1632 1224">H</td><td data-bbox="12705 1167 1632 1224">H</td><td data-bbox="12742 1167 1632 1224">H</td><td data-bbox="12780 1167 1632 1224">H</td><td data-bbox="12817 1167 1632 1224">H</td><td data-bbox="12853 1167 1632 1224">H</td><td data-bbox="12891 1167 1632 1224">H</td><td data-bbox="12928 1167 1632 1224">H</td>&lt;td data-bbox="10298 513 1032</tr></tbody></table>	AEC-Q100 Revision H		Temperature Humidity Bias or biased HAST		Autoclave or Unbiased HAST		Temperature Cycling		Power Temperature Cycling		High Temperature Operating Life		Early Life Failure Rate		NVM Endurance, Data Retention, and Operational Life		Hot Carrier Injection		Electromigration		Time Depending Dielectric Breakdown		Stress Migration		Electronic Discharge Human Body Model		Electrostatic Discharge Charged Device Model		Latch Up		Electrical Distribution		Hermetic Package Test		Die Shear		Parameter Analysis: Comparison of current with changed device characterization, electrical distribution		For Q1 Wire Products: Consider AEC-Q006		THB	AC	TC	PTC	HTOL	ELFR	EDR	WBS	WBP	EM	TDDB	D1	D2	D3	D4	NBTT	SM	E2	E3	CDM	E4	E5	G1-4	G7	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H																																																					
AEC-Q100 Revision H		Temperature Humidity Bias or biased HAST		Autoclave or Unbiased HAST		Temperature Cycling		Power Temperature Cycling		High Temperature Operating Life		Early Life Failure Rate		NVM Endurance, Data Retention, and Operational Life		Hot Carrier Injection		Electromigration		Time Depending Dielectric Breakdown		Stress Migration		Electronic Discharge Human Body Model		Electrostatic Discharge Charged Device Model		Latch Up		Electrical Distribution		Hermetic Package Test		Die Shear		Parameter Analysis: Comparison of current with changed device characterization, electrical distribution		For Q1 Wire Products: Consider AEC-Q006																																																																																																																																																																																																																																																																																																																																																																																																								
THB	AC	TC	PTC	HTOL	ELFR	EDR	WBS	WBP	EM	TDDB	D1	D2	D3	D4	NBTT	SM	E2	E3	CDM	E4	E5	G1-4	G7	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H																																																																																															

	<p>Together with the above activity, opportunity is taken to rationalize products portfolio by terminating some impacted devices (PTN – Product termination Notice in progress), as per below table:</p> <table border="1"> <thead> <tr> <th>Package</th><th>Terminated CP</th><th>Replacement</th></tr> </thead> <tbody> <tr> <td rowspan="4"><b>LQFP 175 24x24</b></td><td>SPC564B64L7C800X</td><td>SPC564B64L7C9E0X</td></tr> <tr> <td>SPC564B64L7C8ECX</td><td>SPC564B74L7C9ECX</td></tr> <tr> <td>SPC56EC70L7C800Y</td><td>SPC56EC74L7C9ECY - Superset</td></tr> <tr> <td>SPC56EC74L7C800X</td><td>SPC56EC70L7C9E0X</td></tr> <tr> <td rowspan="2"><b>LQFP 208 28x28</b></td><td>SPC564B74L8C9E0X</td><td>No replacement</td></tr> <tr> <td>SPC564B74L8C9ECY</td><td>No replacement</td></tr> <tr> <td rowspan="2"><b>LBGA 256 17x17</b></td><td>SPC564B74B3B9E0Y</td><td>SPC564B64L8C9E0X</td></tr> <tr> <td>SPC56EC64B3C9EEY</td><td>No replacement</td></tr> </tbody> </table>			Package	Terminated CP	Replacement	<b>LQFP 175 24x24</b>	SPC564B64L7C800X	SPC564B64L7C9E0X	SPC564B64L7C8ECX	SPC564B74L7C9ECX	SPC56EC70L7C800Y	SPC56EC74L7C9ECY - Superset	SPC56EC74L7C800X	SPC56EC70L7C9E0X	<b>LQFP 208 28x28</b>	SPC564B74L8C9E0X	No replacement	SPC564B74L8C9ECY	No replacement	<b>LBGA 256 17x17</b>	SPC564B74B3B9E0Y	SPC564B64L8C9E0X	SPC56EC64B3C9EEY	No replacement
Package	Terminated CP	Replacement																							
<b>LQFP 175 24x24</b>	SPC564B64L7C800X	SPC564B64L7C9E0X																							
	SPC564B64L7C8ECX	SPC564B74L7C9ECX																							
	SPC56EC70L7C800Y	SPC56EC74L7C9ECY - Superset																							
	SPC56EC74L7C800X	SPC56EC70L7C9E0X																							
<b>LQFP 208 28x28</b>	SPC564B74L8C9E0X	No replacement																							
	SPC564B74L8C9ECY	No replacement																							
<b>LBGA 256 17x17</b>	SPC564B74B3B9E0Y	SPC564B64L8C9E0X																							
	SPC56EC64B3C9EEY	No replacement																							
<b>REPORTS</b>	<p>Transfer validation is presently in progress. AEC-Q100 Reliability Report will be available by Q3 2022. AEC-Q006, where requested, will be available in Q4 2022</p>																								
<b>IMPLEMENT.</b>	<p>Change activation is proposed upon ST full qualification, pending Customer approval. Production is expected to progressively start within Q4 2022</p>																								



## Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

**PCN Title :** SPC56x (FB74): Activation of TSMC as Additional Diffusion Plant

**PCN Reference :** ADG/21/12959

**Subject :** Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change.

SPC56EC70L7C9E0X	SPC564B64L7C800Y	SPC564B74L7C8E0X
SPC56EC74L8C9E0X	SPC56EC64L7B9E0X	SPC56EC74L7C9ECY
SPC564B74L7B8E0X	SPC564B64L8C9E0X	SPC564B64L7C9E0X
SPC564B70L7B9E0X	SPC56EC64L7B9E0Y	



### **IMPORTANT NOTICE – PLEASE READ CAREFULLY**

Subject to any contractual arrangement in force with you or to any industry standard implemented by us, STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2018 STMicroelectronics – All rights reserved