



Title of Change:	PYTHON Family Acceptance Criteria Update to the Allowable Defective Count Specification.																																														
Effective date:	27 July 2017																																														
Contact information:	Contact your local ON Semiconductor Sales Office or <Danny.Scheffer@onsemi.com>																																														
Type of notification:	ON Semiconductor will consider this change accepted.																																														
Change category:	☐ Wafer Fab Change ☐ Assembly Change ☐ Test Change ☒ Other Datasheet Update																																														
Change Sub-Category(s): ☐ Manufacturing Site Change/Addition ☐ Manufacturing Process Change ☐ Material Change ☐ Product specific change ☒ Datasheet/Product Doc change ☐ Shipping/Packaging/Marking ☐ Other: _____																																															
Sites Affected: ☐ All site(s) ☒ not applicable ☐ ON Semiconductor site(s) : ☐ External Foundry/Subcon site(s)																																															
DESCRIPTION AND PURPOSE: ON Semiconductor is committed to continuously improving the quality of its products. As part of the continuous improvement initiative, the following acceptance criteria specifications have been updated to reflect a tightened limit to the maximum allowable defective pixel count in the active pixel array. The change is applicable to the LVDS options (P1, P3) only across all packages types and monochrome, color or NIR variants. There is no change to the defective pixel count across PYTHON 1300 (CMOS-P2) option. Updated Acceptance Criteria documents are available via MyOn: https://www.onsemi.com/PowerSolutions/myon/erFolder.do?folderId=370307. For access, please contact your local sales office.																																															
<table border="1"> <thead> <tr> <th>Product (WPN)</th> <th>Existing Acceptance Criteria Revision</th> <th>New Acceptance Criteria Revision</th> <th>Effective Date Code YYWW</th> <th>Existing Defective Pixel Count (LVDS-P1, P3) Mono = Color</th> <th>New Defective Pixel Count (LVDS-P1, P3) Mono / Color</th> </tr> </thead> <tbody> <tr> <td>PYTHON 300</td> <td rowspan="3">ACSPYTHON1300.rev4</td> <td rowspan="3">ACSPYTHON1300.rev5</td> <td rowspan="3">1724</td> <td>40</td> <td>10 / 15</td> </tr> <tr> <td>PYTHON 500</td> <td>40</td> <td>20 / 25</td> </tr> <tr> <td>PYTHON 1300</td> <td>50</td> <td>30 / 40</td> </tr> <tr> <td>PYTHON 2000</td> <td rowspan="2">ACSPYTHON5000.rev4</td> <td rowspan="2">ACSPYTHON5000.rev5</td> <td rowspan="2">1724</td> <td>75</td> <td>50 / 50</td> </tr> <tr> <td>PYTHON 5000</td> <td>185</td> <td>100 / 100</td> </tr> <tr> <td>PYTHON 10k</td> <td rowspan="4">ACSPYTHONxK.rev0</td> <td rowspan="4">ACSPYTHONxK.rev1</td> <td rowspan="4">1724</td> <td>1000</td> <td>100 / 100</td> </tr> <tr> <td>PYTHON 12k</td> <td>1000</td> <td>120 / 120</td> </tr> <tr> <td>PYTHON 16k</td> <td>1000</td> <td>160 / 160</td> </tr> <tr> <td>PYTHON 25k</td> <td>1000</td> <td>250 / 250</td> </tr> </tbody> </table>						Product (WPN)	Existing Acceptance Criteria Revision	New Acceptance Criteria Revision	Effective Date Code YYWW	Existing Defective Pixel Count (LVDS-P1, P3) Mono = Color	New Defective Pixel Count (LVDS-P1, P3) Mono / Color	PYTHON 300	ACSPYTHON1300.rev4	ACSPYTHON1300.rev5	1724	40	10 / 15	PYTHON 500	40	20 / 25	PYTHON 1300	50	30 / 40	PYTHON 2000	ACSPYTHON5000.rev4	ACSPYTHON5000.rev5	1724	75	50 / 50	PYTHON 5000	185	100 / 100	PYTHON 10k	ACSPYTHONxK.rev0	ACSPYTHONxK.rev1	1724	1000	100 / 100	PYTHON 12k	1000	120 / 120	PYTHON 16k	1000	160 / 160	PYTHON 25k	1000	250 / 250
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LIST OF AFFECTED STANDARD PARTS:

PYTHON 300/500/1300		DESCRIPTION
MONO	MONO with Protective Foil	
NOIP1SN0300A-QDI	NOIP1SN0300A-QTI	0.3MP 4 LVDS lanes, mono micro lens
NOIP1SN0500A-QDI	NOIP1SN0500A-QTI	0.5MP 4 LVDS lanes, mono micro lens
NOIP1SN1300A-QDI	NOIP1SN1300A-QTI	1.3MP 4 LVDS lanes, mono micro lens
NOIP3SN1300A-QDI	NOIP3SN1300A-QTI	1.3MP 2 LVDS lanes, mono micro lens
COLOR	COLOR with Protective Foil	
NOIP1SE0300A-QDI	NOIP1SE0300A-QTI	0.3MP 4 LVDS lanes, color micro lens
NOIP1SE0500A-QDI	NOIP1SE0500A-QTI	0.5MP 4 LVDS lanes, DS color micro lens
NOIP1SE1300A-QDI	NOIP1SE1300A-QTI	1.3MP 4 LVDS lanes, color micro lens
NOIP3SE1300A-QDI	NOIP3SE1300A-QTI	1.3MP 2 LVDS lanes, color micro lens
NIR	NIR with Protective Foil	
NOIP1FN0300A-QDI	NOIP1FN0300A-QTI	0.3MP 4 LVDS lanes, NIR micro lens
NOIP1FN0500A-QDI	NOIP1FN0500A-QTI	0.5MP 4 LVDS lanes, NIR micro lens
NOIP1FN1300A-QDI	NOIP1FN1300A-QTI	1.3MP 4 LVDS lanes, NIR micro lens
NOIP3FN1300A-QDI	NOIP3FN1300A-QTI	1.3MP 2 LVDS lanes, NIR micro lens

PYTHON 2000/5000		DESCRIPTION
MONO	MONO with Protective Foil	
NOIP1SN5000A-QDI	NOIP1SN5000A-QTI	5MP, 8 LVDS lanes, mono micro lens
NOIP3SN5000A-QDI	NOIP3SN5000A-QTI	5MP, 4 LVDS lanes, mono micro lens
NOIP1SN2000A-QDI	NOIP1SN2000A-QTI	2MP, 8 LVDS lanes, mono micro lens
	NOIP1SN5000A-LTI	5MP, 8 LVDS lanes, mono micro lens, LGA package
	NOIP3SN5000A-LTI	5MP, 4 LVDS lanes, mono micro lens, LGA package
	NOIP1SN2000A-LTI	2MP, 8 LVDS lanes, mono micro lens, LGA package
COLOR	COLOR with Protective Foil	
NOIP1SE5000A-QDI	NOIP1SE5000A-QTI	5MP, 8 LVDS lanes, color micro lens
NOIP3SE5000A-QDI	NOIP3SE5000A-QTI	5MP, 4 LVDS lanes, color micro lens
NOIP1SE2000A-QDI	NOIP1SE2000A-QTI	2MP, 8 LVDS lanes, color micro lens
	NOIP1SE5000A-LTI	5MP, 8 LVDS lanes, color micro lens, LGA package
	NOIP3SE5000A-LTI	5MP, 4 LVDS lanes, color micro lens, LGA package
	NOIP1SE2000A-LTI	2MP, 8 LVDS lanes, color micro lens, LGA package
NIR	NIR with Protective Foil	
NOIP1FN5000A-QDI	NOIP1FN5000A-QTI	5MP, 8 LVDS lanes, NIR micro lens
NOIP1FN2000A-QDI	NOIP1FN2000A-QTI	2MP, 8 LVDS lanes, NIR micro lens
	NOIP1FN5000A-LTI	5MP, 8 LVDS lanes, NIR micro lens, LGA package
	NOIP1FN2000A-LTI	2MP, 8 LVDS lanes, NIR micro lens, LGA package



PYTHON 10K/12K/16K/25K	DESCRIPTION
MONO	
NOIP1SN025KA-GDI	25MP, 32 LVDS lanes, mono micro lens
NOIP1SN016KA-GDI	16MP, 32 LVDS lanes, mono micro lens
NOIP1SN012KA-GDI	12MP, 32 LVDS lanes, mono micro lens
NOIP1SN010KA-GDI	10MP, 32 LVDS lanes, mono micro lens
COLOR	
NOIP1SE025KA-GDI	25MP, 32 LVDS lanes, color micro lens
NOIP1SE016KA-GDI	16MP, 32 LVDS lanes, color micro lens
NOIP1SE012KA-GDI	12MP, 32 LVDS lanes, color micro lens
NOIP1SE010KA-GDI	10MP, 32 LVDS lanes, color micro lens
NIR	
NOIP1FN025KA-GDI	25MP, 32 LVDS lanes, NIR micro lens
NOIP1FN016KA-GDI	16MP, 32 LVDS lanes, NIR micro lens
NOIP1FN012KA-GDI	12MP, 32 LVDS lanes, NIR micro lens
NOIP1FN010KA-GDI	10MP, 32 LVDS lanes, NIR micro lens