



<b>Title of Change:</b>	FAN108M6X Metal masks change from PC0223ASFF to PC0223DSFF to shift 6 parameters design target to meet customer applications.							
<b>Proposed first ship date:</b>	8 August 2019 or earlier upon customer approval.							
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or <Thomas.chen@onsemi.com>							
<b>Samples:</b>	Contact your local ON Semiconductor Sales Office or <PCN.samples@onsemi.com> Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change.							
<b>Additional Reliability Data:</b>	Contact your local ON Semiconductor Sales Office or <Kyungwon.kang@onsemi.com>							
<b>Type of notification:</b>	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <PCN.Support@onsemi.com>							
<b>Change Part Identification:</b>	Affected products will be identified with IC top marking.							
<b>Change Category:</b>	<input checked="" type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input checked="" type="checkbox"/> Test Change <input type="checkbox"/> Other _____							
<b>Change Sub-Category(s):</b>	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Manufacturing Site Addition</div> <div style="width: 33%;"><input type="checkbox"/> Material Change</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Datasheet/Product Doc change</div> <div style="width: 33%;"><input type="checkbox"/> Manufacturing Site Transfer</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Product specific change</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Shipping/Packaging/Marking</div> <div style="width: 33%;"><input type="checkbox"/> Manufacturing Process Change</div> <div style="width: 33%;"><input type="checkbox"/> Other: _____</div> </div>							
<b>Sites Affected:</b>	ON Semiconductor Sites: ON S. Portland, Maine	External Foundry/Subcon Sites: Greatek						
<b>Description and Purpose:</b>  FAN108M6X Metal masks change (Metal 1, Via 1, Metal 2, Via 2, Metal top) from PC0223ASFF to PC0223DSFF to shift 6 parameters design target(Described in Electrical Characteristic) to meet customer applications  There are no product material changes as a result of this change.								
<table border="1" style="width: 100%; text-align: center;"> <thead> <tr style="background-color: #92d050;"> <th></th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>Product marking change</td> <td>           &amp;E&amp;E&amp;Y            &amp;O108A&amp;C            &amp;.&amp;O&amp;E&amp;V            UNK            UNK         </td> <td>           &amp;E&amp;E&amp;Y            &amp;O1084&amp;C            &amp;.&amp;O&amp;E&amp;V            UNK            UNK         </td> </tr> </tbody> </table>				From	To	Product marking change	&E&E&Y &O108A&C &.&O&E&V UNK UNK	&E&E&Y &O1084&C &.&O&E&V UNK UNK
	From	To						
Product marking change	&E&E&Y &O108A&C &.&O&E&V UNK UNK	&E&E&Y &O1084&C &.&O&E&V UNK UNK						



## Reliability Data Summary:

QV DEVICE NAME : FAN108M6X

RMS : W44246

PACKAGE : SOT23\_6L

Test	Specification	Condition	Interval	Results
HTOL*	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/80
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/231
HAST	JESD22-A110	110°C, 85% RH, 18.8psig, bias	264 hrs	0/135
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C	3x reflows	0/366

## Electrical Characteristic Summary:

	FAN108M6X (PC0223ASFF)	FAN108M6X (PC0223DSFF)	Unit
<b>ELECTRICAL CHARACTERISTICS</b>			
High Threshold Voltage of Current Sense	0.175	0.225	V
Leading-Edge Blanking Time	220	340	ns
Cable Drop Compensation Voltage	160	155	mV
VS Sampling Blanking Time L	1.3	1.9	us
VS Sampling Blanking Time H	1.8	2.3	us
Hi-Z Mode Enable Time	67	100	us

## List of Affected Parts:

**Note:** Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

Part Number	Part Number
FAN108M6X	FAN108M6X