



Title of Change:	Change Emboss Clip to Flat Clip on SO8 FL package in ATM		
Proposed First Ship date:	26 Sep 2021 or earlier if approved by customer		
Contact Information:	Contact your local ON Semiconductor Sales Office or guokun.yeng@onsemi.com		
PCN Samples Contact:	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. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.		
Type of Notification:	This is an Initial Product/Process Change Notification (IPCN) sent to customers. An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan. The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact < PCN.Support@onsemi.com >		
Marking of Parts/ Traceability of Change:	No change on marking. Effective date code will provided in FPCN.		
Change Category:	Assembly Change		
Change Sub-Category(s):	Material Change		
Sites Affected:			
ON Semiconductor Sites		External Foundry/Subcon Sites	
None		AMKOR, Malaysia	
Description and Purpose:			
This Product Change Notification, which is intended to change SO8FL clip from emboss design to flat clip design in Amkor Malaysia assembly site. The purpose of this change is for continuous quality and reliability improvement in the listed part number below.			
	Before Change Description	After Change Description	
Clip	Emboss Design	Flat Clip Design	
There is no product marking change as a result of this change.			
Qualification Plan:			
QV DEVICE NAME : <u>NTMFS4C020NT1G</u>			
RMS : <u>TBD</u>			
PACKAGE : <u>SO8FL CLIP DFN6</u>			
Test	Specification	Condition	Interval
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc
TC	JESD22-A104	Ta= -55°C to +150°C, mount on board	1000 cyc
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	
RSH	JESD22- B106	Ta = 265C, 10 sec	



Estimated date for qualification completion: 12 July 2021

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	Qualification Vehicle
NTMFS4C020NT1G-01	NTMFS4CS20NT1G
NTMFS0D9N03CGT1G	NTMFS4CS20NT1G
NTMFS0D8N03CT1G	NTMFS4CS20NT1G
NTMFS4C020NT1G	NTMFS4CS20NT1G



Appendix A: Changed Products

PCN#: IPCN23978X
Issue Date: May 18, 2021

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NTMFS0D8N03CT1G		NTMFS4CS20NT1G		