

Final Product/Process Change Notification Document #: FPCN21522X

Issue Date: 26 October 2016

Title of Change:	Qualification of the Nantong Huada, China facility as an alternative manufacturing site for the Assembly and Test of T0220 3 Lead products.			
Proposed first ship date:	2 February 2017 or earlier upon customer approval			
Contact information:	Contact your local ON Semiconductor Sales Office or <alan.garlington@onsemi.com></alan.garlington@onsemi.com>			
Samples:	Contact your local ON Semiconductor Sales Office			
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <tomas.vajter@onsemi.com>.</tomas.vajter@onsemi.com>			
Type of notification:	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>.</pcn.support@onsemi.com>			
Change Part Identification:	Shipments made after workweek 3 – 2017 may be made from either qualified assembly/test . The Location can be determined from the device marking Site code.			
Change category:	☐ Wafer Fab Change ☐ Assembly Change ☐ Test Change ☐ Other			
Change Sub-Category(s): Manufacturing Site Change/ Manufacturing Process Chan				
Sites Affected: All site(s) not ap	pplicable ON Semiconductor site(s): External Foundry/Subcon site(s) Nantong Huada			

Description and Purpose:

Nantong Huada has been qualified to Assemble and Test devices assembled in the IC T0220 3 Lead Package. Huada is ISO9001 and ISO14001 certified.

This is a dual site qualification. After expiration of this PCN, products may be assembled at either the ON Semiconductor Seremban, Malaysia location or the new Nantong Huada, China location.

Reliability Data Summary:

QV DEVICE NAME: NCV317BTG, NCP7805TG PACKAGE: T0220 - 3 Lead Cu Wire bond Single Gage

Test	Specification	Condition Interval		Results
HTOL	JESD22-A108	Ta=145°C Ta = 125°C	1008 hrs 1008 hrs	0/80 0/240
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/335
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/362
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/580
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	192 hrs	0/320
ESD	JEDEC Electrostatic Discharge	HBM MM	2 KV 200v	0/6 0/6
LU	AEC 300	Latch Up		0/6

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Electrical Characteristic Summary:

There is no change to any Electrical Parameter. All Data Sheet specifications remain the same.

List of Affected Standard Parts:

List of Affected Standard Farts.	
Part Number	Qualification Vehicle
LM2931AT-5.0G	
LM2931T-5.0G	
LM317BTG	
LM317MABTG	
LM317MBTG	
LM317MTG	
LM317TG	
LM337BTG	
LM337TG	
MC33269T-012G	
MC33269T-3.3G	
MC33269T-3.5G	
MC33269T-5.0G	
MC33269TG	
MC7805ABTG	
MC7805ACTG	NCV317BTG
MC7805BTG	NCP7805TG
MC7805CTG	
MC7806ACTG	
MC7806BTG	
MC7806CTG	
MC7808ABTG	
MC7808ACTG	
MC7808BTG	
MC7808CTG	
MC7809ABTG	
MC7809ACTG	
MC7809BTG	
MC7809CTG	
MC7812ABTG	
MC7812ACTG	
MC7812BTG	

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MC7812CTG
MC7815ABTG
MC7815ACTG
MC7815BTG
MC7815CTG
MC7818ACTG
MC7818BTG
MC7818CTG
MC7824ACTG
MC7824BTG
MC7824CTG
MC78M05ABTG
MC78M05ACTG
MC78M05BTG
MC78M05CTG
MC78M06BTG
MC78M06CTG
MC78M08ABTG
MC78M08ACTG
MC78M08BTG
MC78M08CTG
MC78M09CTG
MC78M12ABTG
MC78M12ACTG
MC78M12BTG
MC78M12CTG
MC78M15ABTG
MC78M15ACTG
MC78M15BTG
MC78M15CTG
MC78M18BTG
MC78M18BTG MC78M18CTG
MC78M20CTG
MC78M24BTG
MC78M24CTG
MC7905.2CTG
MC7905ACTG

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MC7905BTG
MC7905CTG
MC7906CTG
MC7908ACTG
MC7908CTG
MC7912ACTG
MC7912BTG
MC7912CTG
MC7915ACTG
MC7915BTG
MC7915CTG
MC7918CTG
MC7924BTG
MC7924CTG
MC79M05BTG
MC79M05CTG
MC79M08BTG
MC79M08CTG
MC79M12BTG
MC79M12CTG
MC79M15BTG
MC79M15CTG
NCP7805ETG
NCP7805TG
NCP7808TG
NCP7812ETG
NCP7812TG
NCP7815TG
SC7805CTG
SC7812CTG
SCD317BTG
SCD317MABTG
SCD317MTG
SCD33269T-5.0G
SCD33269TG
SCD337BTG
SCD337TG

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SCD7805ACTG	
SCD7805BTG	
SCD7805CTG	
SCD7806CTG	
SCD7809ACTG	
SCD7809BTG	
SCD7809CTG	
SCD7812BTG	
SCD7812CTG	
SCD7815ACTG	
SCD7815BTG	
SCD7815CTG	
SCD7818BTG	NCV317BTG
SCD7824BTG	NCP7805TG
SCD7824CTG	
SCD78M05CTG	
SCD78M09CTG	
SCD78M12CTG	
SCD78M15BTG	
SCD7905ACTG	
SCD7905CTG	
SCD7912ACTG	
SCD7912BTG	
SCD7912CTG	
SCD7915CTG	
SCD79M12CTG	

List of Affected Customer Specific Parts:

NOTE: Please be informed that parts impacted by this PDN/PCN are Special/Customer specific parts, thus MPN & CPN info will be available to affected customers only by clicking the "<u>Custom PCN for Selected Company Button</u>" in the Document Analysis page of PCMS/PCN Alert.

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If no Customer Part Number is on file, the CPN Part Number is marked "CPN Unassigned".

MPN	CPN	Company Name	Company Code	Division Name	Division Code
LM317TG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPP	SOLID SEMECS	SOLIY
MC78M20CTG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPP	SOLID SEMECS	SOLIY
LM317TG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPP	ASTUTE ELECTRONICS	ASTUY
MC7805CTG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPP	ASTUTE ELECTRONICS	ASTUY
MC7809CTG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPP	JSC GAMMA	JSCGR
MC7806CTG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPP	JSC GAMMA	JSCGR
MC7908CTG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPP	JSC GAMMA	JSCGR
LM337BTG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPP	EBV ELEKTRONIKBAU	EBVGE
LM317BTG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPP	EBV ELEKTRONIKBAU	EBVGE
LM317TG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPP	EBV ELEKTRONIKBAU	EBVGE
MC7815BTG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPP	EXCEPTION EMS LTD	EXCER
MC7815CTG	CPN Unassigned	DISTRIBUTOR CUSTOMERS	SPPPGAMMA	HIGH VOLTAGE RESEARCH	GAHVR