



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #20252Generic Copy

Issue Date: 30-Oct-2013**TITLE:** Leadframe changed from PSMC/Stamped to QPL Etched PQFP 80L Atp1**PROPOSED FIRST SHIP DATE:** 30-Jan-2014**AFFECTED CHANGE CATEGORY(S):** Leadframe**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or <Henry.Hernandez@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office**ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Office or <Phine.Guevarra@onsemi.com>

NOTIFICATION TYPE:

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to implementation of the change.

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact <quality@onsemi.com>.

DESCRIPTION AND PURPOSE:

Leadframe changed from PSMC/Stamped to QPL Etched PQFP 80L Atp1. Purpose of this is for supply continuity as existing AQT already discontinued.

	Existing	Recommended
Supplier	PSMC	QPL-HK
SID#	101312132	101377622
Material	C7025	C7025
pad size	6.1 x 6.1	6.1 x 6.1
Plating	DR-Ag	DR-Ag
LF format	Matrix	Matrix
LF type	Stamped	Etched

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION # 20252****RELIABILITY DATA SUMMARY/ ELECTRICAL CHARACTERISTIC SUMMARY:**

Reliability Test Results: Using qual vehicle 12177-501 LQFP 144L Seal code Y 20x20 mm

Test	Sample size	Failures Observed	Failures Allowed	Remarks
MOISTURE RESISTANCE TEST	231	0	0	PASSED
THERMO-HUMIDITY TEST	231	0	0	PASSED
THERMO-MECHANICAL TEST	231	0	0	PASSED
HIGH TEMPERATURE STORAGE TEST	77	0	0	PASSED
TEMPERATURE CYCLING TEST, 500X AT -65°C/150°C	231	0	0	PASSED
INTERNAL INSPECTION				
X-RAY INSPECTION	45	0	0	PASSED
PHYSICAL DIMENSIONS INSPECTION	30	0	0	PASSED
INTERNAL VISUAL	30	0	0	PASSED
BOND PULL TEST	5	0	0	PASSED
BOND SHEAR TEST	10	0	0	PASSED
EXTERNAL INSPECTION				
EXTERNAL VISUAL	ALL	0	0	PASSED
PHYSICAL DIMENSIONS INSPECTION	10	0	0	PASSED
SOLDERABILITY TEST	15	0	0	PASSED

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

List of affected Customer Specific Parts:

20472-001-XTD

20472-001-XTP