



PCN 9942: Qualification Plan

Die 451XXXZ (Cut1.1)

Reliability Evaluation Plan

Oct 6th 2016

MDG MCD Quality & Reliability Department

PCN 9942: Qualification Plan: Die 451XXXZ (Cut 1.1)

- Qualification plan for changes described in the PCN 9942
- Reliability report: RERMCD1501

Trial	Test1	Method	Conditions	Sample x lot
				451XXXZ (Cut 1.1) / TFBGA216
DIE	LU	0018695 JESD78	130°C	6 x 1
	ESD HBM	0060102 ANSI/ESDA/ JEDEC JS-001	Ta 25°C 2KV (Class 2)	3 x 1
	ESD CDM	ANSI/ESD STM5.3.1	25°C 250V (Class C3)	3 x 1
	HTOL	MIL-STD-883 Method 1005 JESD22-A108	125°C , 3.6V 168h	77 x 1

- Note: This plan will be executed with TFBGA216 (DSI option). CDM will be done with the TFBGA216 DSI option and with the TFBGA216 no DSI option and will validate that there is no regression compared to previous cut and previous substrate.



PRODUCT/PROCESS CHANGE NOTIFICATION PCN 9942 - Additional information

STM32F7x 2MB - die minor revision & Optimized substrate layout on TFBGA package only

MMS - Microcontrollers Division (MCD)

How to order samples?

For all sample request linked to this PCN, please:

- request sample(s) through Notice tool, indicating a single Commercial Product for each request.
- insert "PCN 9942" into the remarks of your order.
- place **non standard** sample order using the following field in your system.

The screenshot shows the 'SO | NPO Sample' window. The 'Header' section includes fields for SO Nr., Customer, SO Type (set to 'Sample Order'), PO Nr., Carrier Code, Price Policy, Currency, Notes, States, Issuing Date, and Ord Val. (0.0000). Below the header is a table with columns: Sch 1 Nr., PO 1 Nr., Finished Good, Comm Qty, Open Qty, Plant Open Qty, Reqd Qty, Unit Price, RD, CD, EDD, and St. The 'PO Item' section shows PO Item, Comm Prod, Qty (0), RD (06-Jan-15), Unit Price (0.0000), and Final Cust. The 'Cust Part Nr.' section includes Cust Part Nr., Finished Good, Partial Ship (01), Price Pol, Status (01), and Canc. The 'Notes' section includes Notes, TAM K Pieces (0), Our Share (%), and a 'Sample Type' dropdown menu highlighted with a red box, showing 'Sample Non Std Type'. The 'Project Name' section includes Project Name, Closing Date, and Closing Type. At the bottom, there are two tabs: 'Regional Sheet' and 'Lab Sheet'.

SO Nr: 7075S05890 Customer: 99800200 SGS-TH/USA PO Nr: Mos/TPapay/RBC-Ullmer

Company: STM Issuing Date: 29-JUL-2015 12:07:00 Ship To: 9980020081 SGS/USANPO Price Policy: 05 Curr Code: 02 U.S. DOLLAR

Carrier Code: 0001 * Bill To: 9980020001 SGS-TH/USA
Carriage Code: F1 F.I.S. Confirm To: 81
Transportn Mode: 01 AIR FREIGHT Sales Rep. ID: 07R00C NO COMMISSION
Payment Term: 0006 FREE OF CHARGE Cust Serv Rep ID: 11A000 Dummy FSA SWISS

SO Remark Details

SO Nr: 7075S05890

	SO Remark Type	Text	atus Co	Last Upda
▶	01 INVOICE & O/C REMARK	PER PCN 9108- THANK YOU	01	30-Jul-2015
*				



Public Products List

PCN Title : STM32F7x 2MB - die minor revision & Optimized substrate layout on TFBGA package only

PCN Reference : MDG/16/9942

PCN Created on : 22-Sep-2016

Subject : Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change.

STM32F779NIH6	STM32F769IIT6	STM32F767VIT6
STM32F769NIH6	STM32F767NIH6	STM32F769AIY6TR
STM32F767IIT6	STM32F767IHK6	STM32F767ZIT6
STM32F767BIT6	STM32F769BIT6	STM32F777NIH6



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