

From: [Paul Deschenes](#)
To: [Liu DeJia](#); [HuaZhen Luo](#)
Cc: [Matt Brule](#)
Subject: FW: 332000790 qualification report WATZIP
Date: Wednesday, 11 November, 2020 02:30:28
Attachments: [361000408_C.zip](#)
[image001.png](#)
[image002.png](#)

Hi DJ,

Here are the files from SAP to program the chips

Hi HuaZhen,

If DJ can not program the chips off the board do you have someone local that can do chip programming?

Paul

Paul Deschenes
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USA

From: Richard Cashin <Richard_Cashin@waters.com>
Sent: Tuesday, November 10, 2020 10:29 AM
To: Paul Deschenes <Paul_Deschenes@waters.com>
Subject: RE: 332000790 qualification report

Hi Paul,

Attached is the SAP program files for 361000408 rev. C

Thanks,
Rich

From: Richard Cashin
Sent: Fri, November 06, 2020 9:45 AM
To: Paul Deschenes <Paul_Deschenes@waters.com>
Subject: 332000790 qualification report

Hi Paul,

I found the qualification report.

Richard Cashin – Continuing Engineering
09-MAR-2018

ISSI IS25LP032D-JMLE Flash Memory Evaluation

Objective:

Determine if the ISSI IS25LP032D-JMLE Flash should be added to the AVL for Waters pn. 332000790. This has been requested by Component Engineering due to availability issues. All components listed in the AVL(Cypress and Micron) are now obsolete, ISSI will be used on all future assemblies. Usage of this component is about 500 pieces per year.

Existing AVL:

332000790 IC Memory FLASH 31Mb 4M X 8 2.7V 3.6V SOP-16 SMT 32Mbit

Cypress Semiconductor Corp S25FL032P0XMF1000 Obsolete

Micron Technology Inc M25P32-VMF6TP Obsolete

Where Used for 332000790

210000525 SFC HEAD COOLER

210000476 CHC-A PERSONALITY BRD

0/1	2	3	4	5	2016	wpn.	Description
332000790						332000790	IC Memory FLASH 4M X 8 2.7V 3.6V SOP-16
361000408						361000408	PROGRAMMED DEVICES Pump Head Cooler Logi
	21000052590					21000052590	ASSY, UNTESTED PCB, SFC HEAD COOLER
		210000525			94	210000525	ASSY, PCB, SFC HEAD COOLER
				186015036	103	186015036	ACQUITY UPC2 Binary Solvent Manager
361000404	Error in SAP BOM					361000404	Active CM-AUX CPLD SOP-16 SMT U34
	210000476				32	210000476	ASSY, PCB, CHC-A PERSONALITY BRD
			186015049		304	186015049	ACQUITY UPLC H-Class CM-AUX
			186015039		9	186015039	ACQUITY Auxiliary Column Manager

ISSI IS25LP032D-JMLE Flash is listed as a direct replacement for the obsolete Micron M25P32-VMF6TP

The flash ID register is used to differentiate ISSI from other vendors. The ID register is unique to each vendor and must be reviewed by ICT. ICT will include the new device ID code in the fixture for programming the part during assembly test.

Two boards were programmed and installed on a 210000525 and 210000476 PCB. Both boards operated as expected and were delivered to ICT for fixture tests.

ICT updated the source list and no trouble was found.

210000525 sn 210217001C

210000476 sn. 130117794G



ICT Approval EMAIL

**RE: Program files**

Tan Choon Ann to: Paul Deschenes
Cc: [Richard Cashin](#)

03/08/2018 07:26 PM

[Hide Details](#)

From: Tan Choon Ann <tanca@cei.com.sg>
To:  [Paul Deschenes <Paul_Deschenes@waters.com>](#)
Cc:  [Richard Cashin <Richard_Cashin@waters.com>](#)

Hi Paul

Tested the new tpg on current Gold board.
Passed all test.

The file name for the the new tpg is 210000525_RevC.tpg – same as the current file name.
Should we up rev it to ---D for traceability.

CA

From: Paul Deschenes [mailto:Paul_Deschenes@waters.com]
Sent: Wednesday, 7 March, 2018 4:51 AM
To: Tan Choon Ann <tanca@cei.com.sg>
Cc: Richard Cashin <Richard_Cashin@waters.com>
Subject: RE: Program files

Hi CA,

Here is the new TPG I added the ISSI mfg code for the new chip they want to use

If you can try it to make sure it still works on the present boards and I will send the other board with the new chip back to you to try

Thanks
Paul

(See attached file: 210000525_RevC.tpg)

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