



RE: Quotation for the 210000355 Fixture

Paul Deschenes to: KS Chan

15.02.2019 21:35

Cc: "Dave Reed", "Edwin Koh", "HuaZhen Luo", "Matt Brule"

Hi KS,

This is a new part for us, The following information was given to me for programming the part let me know if you need more.

There is new SPI Flash on the new Personality PCB 210000355 REV H that needs to be programmed. That Flash holds the the FPGA image to be downloaded to the FPGA on power up.

I found a way to program the SPI Flash using a third party programmer such as DediProg. I have a JTAG for the flash on the board, J34, that can be used to program the it.

1- you need to trisate the SPI lines between the FPGA and Flash. That can be done by installing a jumper in J33 which sets the FPGA to be in the JTAG Only Mode.

2- Access the SPI lines at JTAG connector J34

3- The programmer should be set for Binary file. The file is attached below.

4- After it is done, remove the jumper

Most likely the in-circuit tester can be set to have the jumper connection done in the tester.



Multiboot_03DEC18_T1.bin

Regards
Paul

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Waters Corporation
34 Maple Street
Milford
MA 01757
USA

Paul Deschenes

Engineering Technical Specialist

[T] 1-508-482-3899

[W] www.waters.com

[E] paul_deschenes@waters.com



"KS Chan"

Hi HuaZhen,

02/15/2019 02:06:30 AM

From: "KS Chan" <kschan@petracarbon.com>
To: "HuaZhen Luo" <HuaZhen_Luo@waters.com>
Cc: "Paul Deschenes" <Paul_Deschenes@waters.com>, "Dave Reed"

<Dave_Reed@waters.com>, "Matt Brule" <Matt_Brule@waters.com>, "Edwin Koh" <Edwin_Koh@waters.com>
Date: 02/15/2019 02:06 AM
Subject: RE: Quotation for the 210000355 Fixture

Hi HuaZhen,

For the U79 programming, can I assume that it is static data programming? If it is dynamic data, please provide data/address table.

And just for your info, the estimated programming time for U79(full memory) programming will be around 35s with integration of dediprog programming kit at ICT.

Regards,

KS Chan

From: KS Chan [mailto:kschan@petracarbon.com]
Sent: Friday, February 15, 2019 2:05 PM
To: 'HuaZhen Luo' <HuaZhen_Luo@waters.com>
Cc: 'Paul Deschenes' <Paul_Deschenes@waters.com>; 'Dave Reed' <Dave_Reed@waters.com>; 'Matt Brule' <Matt_Brule@waters.com>; 'Edwin Koh' <Edwin_Koh@waters.com>
Subject: RE: Quotation for the 210000355 Fixture

Hi HuaZhen,

Thanks, will process the data.

Regards,

KS Chan

From: HuaZhen Luo [mailto:HuaZhen_Luo@waters.com]
Sent: Friday, February 15, 2019 11:04 AM
To: kschan@petracarbon.com
Cc: Paul Deschenes <Paul_Deschenes@waters.com>; Dave Reed <Dave_Reed@waters.com>; Matt Brule <Matt_Brule@waters.com>; Edwin Koh <Edwin_Koh@waters.com>
Subject: Quotation for the 210000355 Fixture

Hi KS,

Could you please review attached files and advise a quotation for this fixture by next week?

Please let us know if you have any questions. Thanks

Luo HuaZhen
Senior Test Engineer

[T] +65 6593 7044
[F] +65 6873 0820
[W] www.waters.com

Waters
THE SCIENCE OF
WHAT'S POSSIBLE.®

Waters Pacific Pte Ltd
1 Science Park Road

[E] huazhen_luo@waters.com



#02-08 The Capricorn
Singapore Science Park II
Singapore 117528

From: Edwin Koh/Waters
To: Paul Deschenes/Waters@WATTS Waters Sales, HuaZhen Luo/Waters@WATTS WATERS SALES
Cc: Dave Reed/Waters@WATTS WATERS SALES, Matt Brule/Waters@WATTS WATERS SALES
Date: 15.02.2019 10:49
Subject: Re: Files for the 210000355 Fixture WATZIP

Hi Huazhen,

Could you follow up with Petracarbon on below action. Have them advise a quote next week.

Thanks and Best Regards,

Koh Edwin

Snr Operations Manager

Waters
THE SCIENCE OF
WHAT'S POSSIBLE.™

[T] 65 6593 7409

[F] 65 6873 0820

[M] 65 9117 7881

[W] www.waters.com

[E] edwin_koh@waters.com

Waters Pacific Pte Ltd
1 Science Park Road
#02-08 The Capricorn
Singapore Science Park II
Singapore 117528



Linked In



Facebook

From: Paul Deschenes/Waters
To: Dave Reed/Waters@WATTS WATERS SALES, Edwin Koh/Waters@WATTS WATERS SALES
Cc: Matt Brule/Waters@WATTS Waters Sales
Date: 15.02.2019 05:24
Subject: Files for the 210000355 Fixture WATZIP

Hi Edwin,

Here are the files you will need to give Petrocarbon to get a fixture and program quote

Aside from the standard fixture / program items we have a few request for them to add to the quote

- 1) U79 is a program part we would like to have it programmed during ICT testing.
- 2) J24 and J25 are surface mounted connectors we would like to have opens express added to test them.
- 3) we like to use switch probes on the connectors to check for population and sometimes polarity its about 18 connectors on the board to be tested.
- 4) an audible sound test for the horn DS9 while the board is under test.
- 5) deliver and install at the CM location.

Let me know if you have any question

Regards
Paul



Waters Corporation
34 Maple Street
Milford
MA 01757
USA

Paul Deschenes
Engineering Technical Specialist

[T] 1-508-482-3899
[W] www.waters.com
[E] paul_deschenes@waters.com



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