

Test Report

F75198

USB Charger Controller Compatibility Test Report

Release Date: Sept, 2012
Version: V0.19P

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F75198 Test Report Revision History

Version	Date	Page	Revision History
V0.10P	2011/11	-	Preliminary version
V0.11P	2011/11		Add New Result
V0.12P	2011/11		Add New Result
V0.13P	2011/12		Add New Result
V0.14P	2012/02		Add New Result
V0.15P	2012/03		Add New Result
V0.16P	2012/03	2	Information Correction
V0.17P	2012/06		Add New Results
V0.18P	2012/07		Add New Results Galaxy S3
V0.19P	2012/09		Add iPhone 5 test into Support list

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LIFE SUPPORT APPLICATIONS

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such improper use or sales.

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1 BC 1.2 Device Charging Function Test

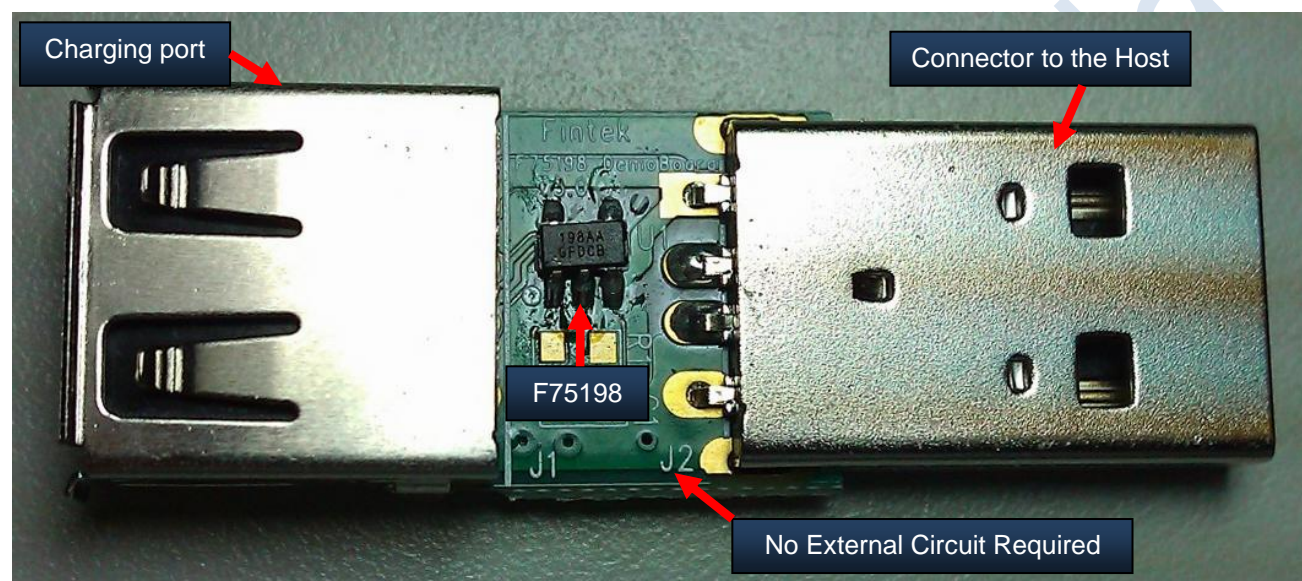
2.3 Background

The main aim of the report is to demonstrate the compatibility of Fintek's USB charging solution.

2.3 Test Environment

Testing tools:

1. The Fintek F7520X Module Board with a F75198 on board (MSOP-8).
2. Power Supply: GW-30303.



▲Fintek's F75198 Module Board

The F75198 Module Board is a special designed tool for Fintek's USB charger solution witch fits SOT23-5 ICs.

1.2 Testing Method

1. Module Board Setup

- Connect the DC 5V power to the Module Board
- Confirm the 5V power on Vbus.

2. Functional Test

Attach the BC1.2-compliant Device to the Charging Port.

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Smart Phones:

Brand Name	Part No.	Test Relult Charging Status	Brand Name	Part No.	Test Relult Charging Status
ASUS	A50	Charging	Huawei	Impulse 4G	Charging
ACER	Liquid metal	Charging	LG	Nitro HD	Charging
AT&T	Avail	Charging		Milestone	Charging
BlackBerry	Bold 9900	Charging	Motorola	Milestone 2	Charging
	Bold 9780	Charging		Atrix	Charging
	Torch 9810	Charging	Nokia	N8	Charging
Docomo	SC-01B	Charging		Lumia 900	Charging
	F-05D	Charging		Focus Flash	Charging
	SC-04D	Charging	Samsung	Focus 2	Charging
	F-03D	Charging		i9000	Charging
	SC-01B	Charging		S2	Charging
HTC	Aria	Charging		S3	Charging
	Desire	Charging		Evergreen	Charging
	Desire Z	Charging	SHARP	SH-12C	
	Desire HD	Charging	SE	Arc	Charging
	Hero	Charging		Play	Charging
	HD2	Charging		X10	Charging
	Incredible S	Charging		X8	Charging
	Mozart	Charging	Softbank	009SH	Charging
	Sensation	Charging		003P	Charging
	Wildfire	Charging			
	Wild Fire S	Charging			
	Titan II	Charging			
	Vivid	Charging			

Tablets:

Brand Name	Part No.	Test Result Charging Mode
Samsung	Galaxy 7"	icon Charging
	Galaxy 10.1"	icon Charging
	Galaxy Note	icon Charging
Lenovo	Ideal Pad	Icon Charging
BARNES & NOBLE	Color	icon Charging
Amazon	Kindle Fire	icon Charging

Note: Nook Color tablet require original cable to do fast charging.

Feature Phone:

Brand Name	Part No.	Test Result Charging Mode
Gplus	G530	icon Charging
Lenovo	A599	icon Charging
LG	KX190	icon Charging
VITA	VT-601	icon Charging
大同	TC-679	icon Charging

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2 Apple Device Charging Test

2.1 Test Environment

See section 1.1

2.2 Test Procedure

1. Set Up the Test Environment:
2. Attach the Apple Device to the Charging Port.
 - Switch to by-pass Mode to test the transmission function
 - Switch to Charger Mode to test the device identification circuit and compatibility.

2.3 Test Result

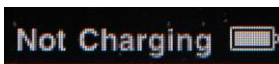
Devices	Device Identification Circuit.		
	--	Charger Mode (Apple Mode 2.1A Mode)	
iPad	Charging Current	1270~1800 mA	Correct Detection
	Icon	Charging Icon *	
iPad2	Charging Current	1270~1800 mA	Correct Detection
	Icon	Charging Icon	
New iPad	Charging Current	1270~1800 mA	Correct Detection
	Icon	Charging Icon	
iPhone 4	Charging Current	720~990 mA	Correct Detection
	Icon	Charging Icon	
iPhone 4s	Charging Current	720~990 mA	Correct Detection
	Icon	Charging Icon	
iPhone 5	Charging Current	720~990mA	Correct Detection
	Icon	Charging Icon	
iPhone 3Gs	Charging Current	570~680 mA	Correct Detection
	Icon	Charging Icon	

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3 Known Incompatible Devices

3.1 Smart Phones

Brand Name	Part No.	Test Relult	
		Charger Mode	
AU	IS11N	icon	X
	IS11CA	icon	X
Docomo	SH-01D	icon	X
SoftBank	102SH	icon	X

3.2 Tablets

Brand Name	Part No.	Test Relult	
		Charger Mode	
Samsung	Tab 7.7	icon	X
	Tab 7 plus	icon	X
Google	Nexus 7	icon	X
Blackberry	PlayBook	icon	X