**From:** Stefan Saenger - M21164
**Sent:** Wednesday, October 1, 2014 2:35 PM MDT
**To:** Chris Behal - C12678; Ray Kamps - C12940; Greg Destexhe - X15625
**CC:** Keith Barber - C11768; Sal Canu - C15821; Brigham Steele - C21902
**Subject:** RE: CarPlay - Fiat

Hi Chris,

I met with Carlos and the USB team at Fiat in Turin yesterday.
Carlos is responsible for USB in the car and he is driving the project for FIAT and Chrysler from Italy.
I clearly explained to him that CDP makes no sense on the other port if the one port is used with CarPlay.
He understood and it was important to him to get all the details to write an exact list of requirements for the RFQ.
There are some other open questions we need answer and it would be interesting if you did facing the same questions.

Questions:

- How can the Hub be switched to normal operation (unflex) if CarPlay is running and the user would like to stop it?
  - It should be possible to signal it via Vbus from the Head unit to the Hub to cause a Reset of the Hub right?
  - @Brigham: Can you confirm please?
  - If that is not possible another wire would be required.
  -

Requirements:

- FIAT does not want the ganged solution because one of the ports is routed to the back of the car. In case of a broken port (metal shorting Vbus to GND) the other port should still work.
  - The UCS2112 was promoted for the Vbus individual solution
- FIAT needs at least 3 ports because a Card Reader can be added as an option. The card reader is not used for MAP data just for the user to download files to the system.

Note:
FIAT likes to have a system supplier like MCHP because there is no finger pointing going on in case of problems.

Greg who was joining the meeting with me is going to provide more detailed meeting minutes soon.
@Greg: please provide the meeting minutes from the FIAT meeting ASAP.
I will forward them to you to synchronize and to avoid mixed messages.

EX.
62
C.A. No.17-1194-JDW



RESTRICTED - ATTORNEY EYES ONLY



Aptiv Exhibit 2006 Page 1
Microchip v. Aptiv IPR2024-00495

Please provide meeting minutes in the future as well to be in sync.

Thanks
Stefan

---

**From:** Chris Behal - C12678
**Sent:** Mittwoch, 1. Oktober 2014 22:08
**To:** Stefan Saenger - M21164; Ray Kamps - C12940
**Cc:** Keith Barber - C11768; Sal Canu - C15821; Brigham Steele - C21902
**Subject:** RE: CarPlay - Fiat

Stefan,

This does not make sense to me and I believe Brigham either when this came up a few months ago…

However, Delphi is given that requirement by their OEM's(Chrysler) and it appears Fiat is wanting the same thing. They somehow believe with carplay on one of the BOB's ports that they can still have access(data connectivity) to the other BOB's ports.

We relayed the same argument you are thinking at that time to Delphi. Delphi couldn't convince Chrysler otherwise and we advised you can do CDP on non-carplay ports if you wanted to but we saw no way for it to actually work.

It appears to me that the OEM's do not have good understanding of what is possible with Carplay…all they know is they want Carplay AND they want additional connectivity to head unit to other devices.

How is that possible with without an Iphone allowing it? I have no idea. Is it possible they know something about Carplay we don't? I don't think so but I can't figure out why they want this either…

Keith or Sal can you add anything to this? I know Honda does NOT want this and Chrysler(which I don't call on) does. Is it a lack of  Carplay understanding at Chrysler?

Ray and reiterated to Delphi today that while in Carplay mode that the Iphone will not enumerate other devices besides the Carplay enabled head unit and they all knew this…maybe they didn't tell Chrysler this…

Thanks,



**RESTRICTED - ATTORNEY EYES ONLY**

Chris Behal
Microchip Technology Inc.
Sr. Field Applications Engineer Great Lakes

---

**From:** Stefan Saenger - M21164
**Sent:** Wednesday, October 01, 2014 3:50 PM
**To:** Chris Behal - C12678; Ray Kamps - C12940
**Cc:** Keith Barber - C11768
**Subject:** RE: CarPlay - Fiat

Hi Chris,

Can you please explain how CDP could be applied on the other port (the port which is not used for Carplay)?
My understand is that CDP = Charging downstream port is applied if data connectivity required as well.

Maybe my understanding is not correct.

Thanks,
Stefan

---

**From:** Chris Behal - C12678
**Sent:** Mittwoch, 1. Oktober 2014 20:04
**To:** Ray Kamps - C12940; Stefan Saenger - M21164
**Cc:** Keith Barber - C11768
**Subject:** RE: CarPlay - Fiat

Stefan,

The Issue Delphi has is Fiat was told then with our Carplay Mini Bob demo that the unused Carplay port is set to DCP and was implied that is the way it has to be. We went through this exercise stateside with Brigham and Delphi and we came to the conclusion that Delphi (through head unit) can configure the unused Carplay ports to CDP if they wish…. We chose the DCP mode as we felt it was the most applicable per the Carplay spec, but this isn't mandated by Carplay.

Thanks,



**RESTRICTED - ATTORNEY EYES ONLY**

Chris Behal
Microchip Technology Inc.
Sr. Field Applications Engineer Great Lakes

---

**From:** Ray Kamps - C12940
**Sent:** Wednesday, October 01, 2014 1:56 PM
**To:** Stefan Saenger - M21164; Chris Behal - C12678
**Cc:** Keith Barber - C11768
**Subject:** CarPlay - Fiat
**Importance:** High

Hi Stefan

Welcome back !
Chris Behal and I were at Delphi Warren Ohio today and the topic of the demo for Fiat came up as a high priority. At least one of the Delphi Warren engineers ( Mark Orlosky) will be attending the meeting in Italy and it is likely that there may be more people from Warren also joining. I know that you are involved in this, but Mark needs to know the status of obtaining the demo for this meeting. If this is not obtainable in the time frame Delphi needs, they would need to potentially postpone the meeting. Obviously that is not a good option and viewed as a last resort only.

Also – We seem to have a disconnect on the message that was delivered to Fiat from our Team as it relates to CarPlay. Delphi was not happy that what we told them contradicts what was told to Fiat. Chris – can you explain to Stefan what that message was?

Please advise
Thank you - Ray

**Ray Kamps**
Principal Field Sales Engineer
Microchip Technology
Office (216) 750-6178
Cell (440) 667-1057



**RESTRICTED - ATTORNEY EYES ONLY**