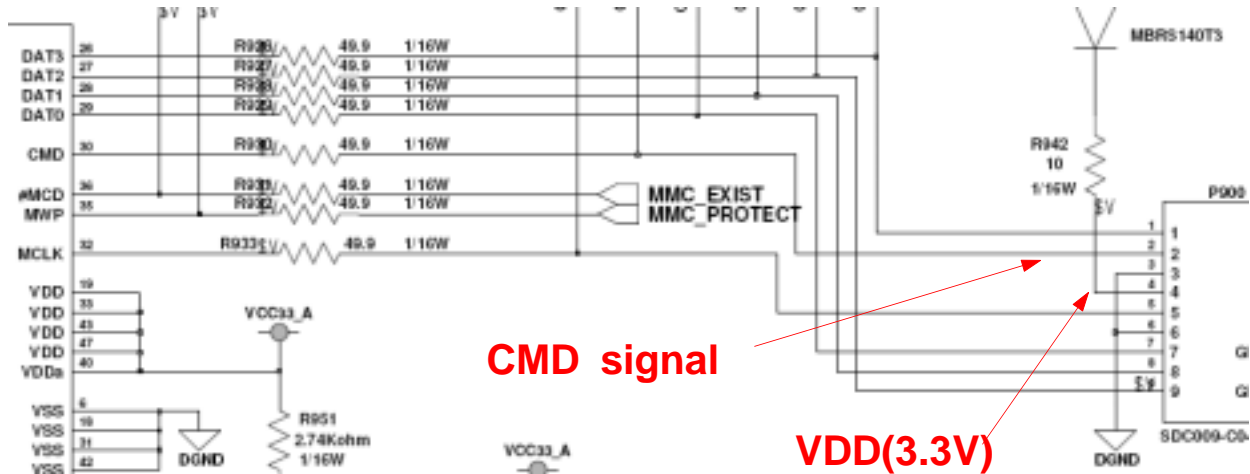


How to make a Vax MMC+(memory card) work on the old MCP circuit.

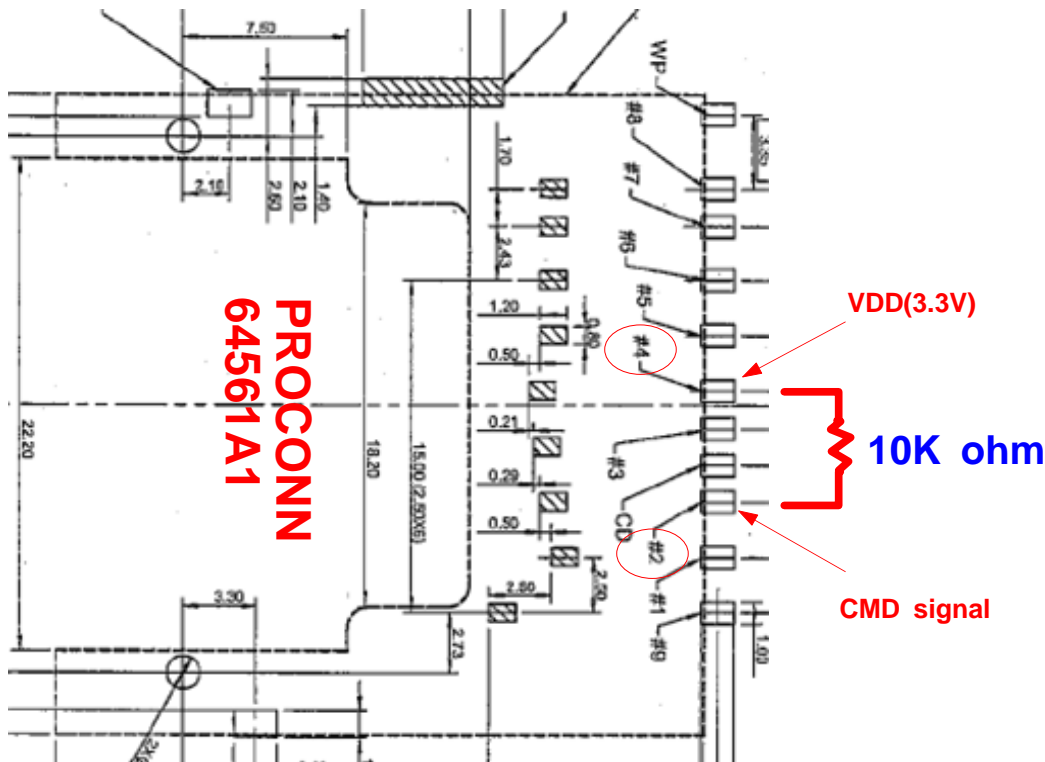
- Circuit Diagram :** Old MCP circuit, The full-up resistor is missing on the CMD signal. A resistor(10K) must be attached between MMC+ socket pin #4(VDD:3.3V) and pin #2(CMD)



Example for Full-up resistor (10K) in case of OS500 MCP2 circuit.

- On the PBA, attaching a resistor..**

A resistor(10K) must be located in between MMC+ socket pin #4(VDD:3.3V) and pin #2(CMD)

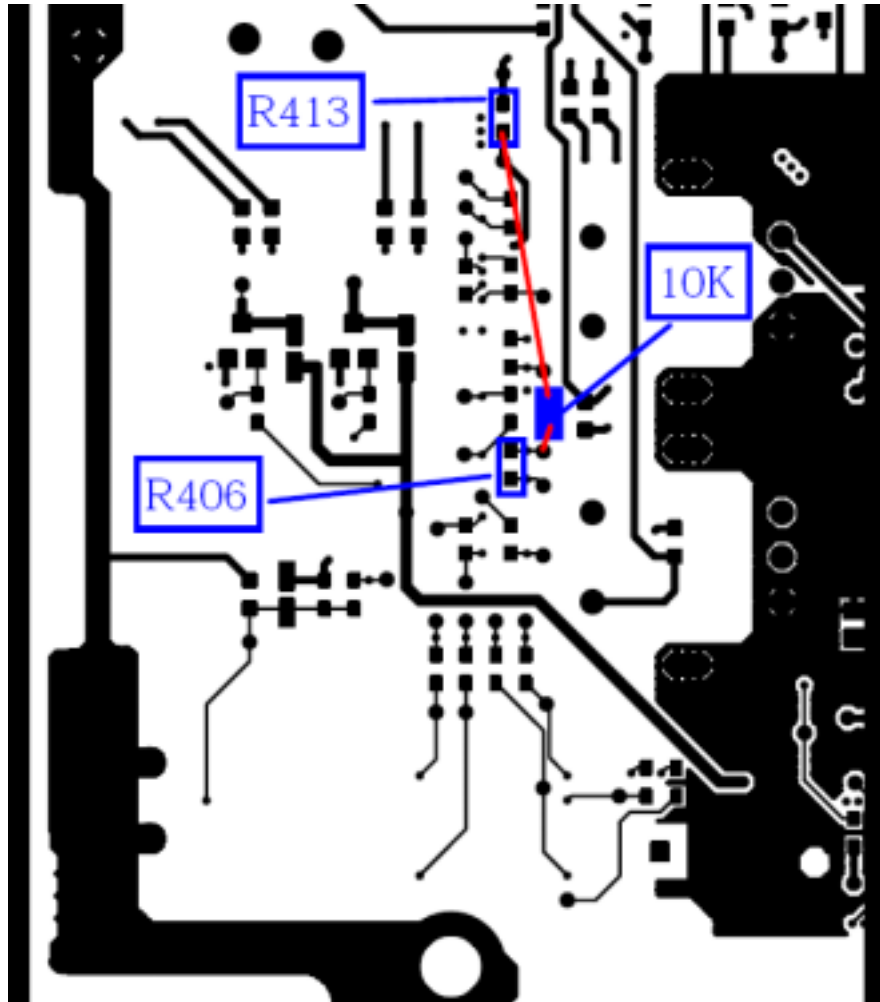


Component Side of view

Please put the resistor(10K) on Component side of these b'd(OS500 MCP2, OS7200 MCP, OS7100 MP10)

In case of OS7100,

It's not easy to attach the full-up resistor on component side. The other way to put resistor please following the below on solder side work.



3. Compatibility table. MCP vs type of MMC+.

System	Circuit	SAX	VAX	Remarks
OS500 MCP2	PCS01	OK	X	64M
	PCS02	OK	OK	
OS7200 MCP1	PCS01	OK	X	64M
	PCS02			
	PCS03	OK	OK	
OS7100 MP10	PCS01	OK	X	256M
	PCS02a	OK	OK	

In case of "X" Can be a work If you attached as above.

4. Distinguish the type of MMC+

size	SAX	VAX	Remarks
64M	MC XXXXX- SA	ME XXXXX- 7A	one-Nand Vax
256M	MC XXXXX- SA	MC XXXXX- 7A	Nand Vax

* Bottom side of MMC+ Memory card, Marking TEXT can be distinguished.

Sax controller

Vax controller

For just example image

