

# BGA24 OSPI / Hyperbus memory module

---

MB1242

---

## Table of contents

---

Sheet 1: Project overview (this page)

Sheet 2: OSPI module

U\_OSPI\_module  
OSPI\_module.SchDoc



HW7

BOARD CPN

CPN

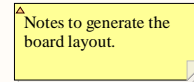
## Legend

---

General comment such as function title, configuration, ...

Text to be added to silkscreen.

Warning text.



## Open Platform License Agreement

---

The Open Platform License Agreement ("Agreement") is a binding legal contract between you ("You") and STMicroelectronics International N.V. ("ST"), a company incorporated under the laws of the Netherlands acting for the purpose of this Agreement through its Swiss branch 39, Chemin du Champ des Filles, 1228 Plan-les-Ouates, Geneva, Switzerland.

By using the enclosed reference designs, schematics, PC board layouts, and documentation, in hardcopy or CAD tool file format (collectively, the "Reference Material"), You are agreeing to be bound by the terms and conditions of this Agreement. Do not use the Reference Material until You have read and agreed to this Agreement terms and conditions. The use of the Reference Material automatically implies the acceptance of the Agreement terms and conditions.

The complete Open Platform License Agreement can be found on [www.st.com/opla](http://www.st.com/opla).

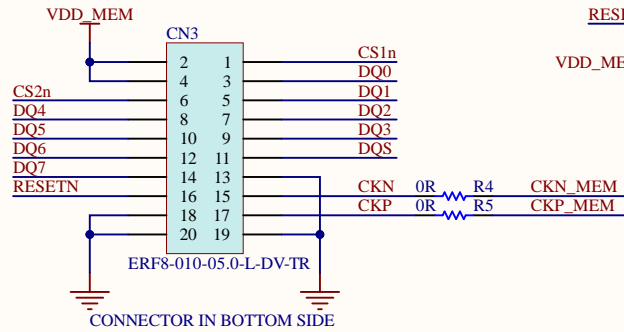
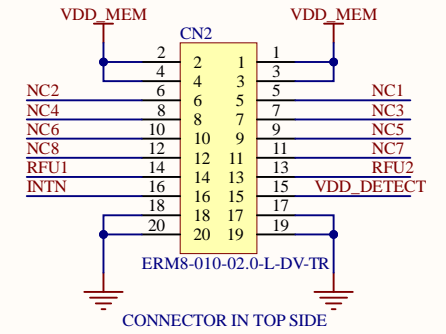
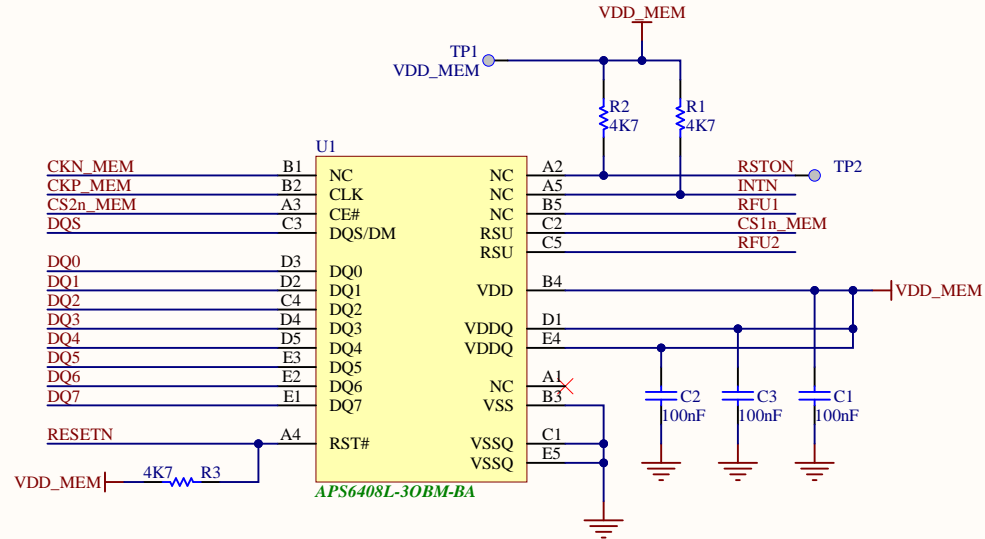
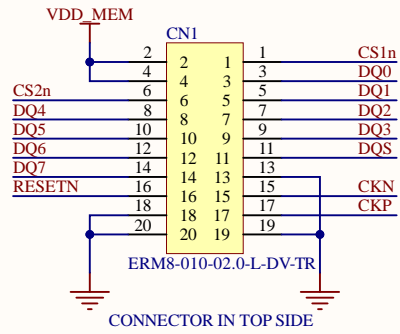
Title: <b>Project overview</b>		
Project: <b>BGA24 OSPI / Hyperbus memory module</b>		
Variant: APS6408L		
Revision: B-01		Reference: MB1242
Size: A4	Date: 20-AUG-20	Sheet: 1 of 1



ite.augmented

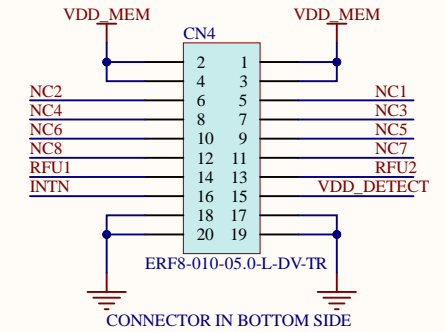
# BGA24 OSPI / Hyperbus memory module

Operating range: 1.65<VDD<3.3V (IOs)

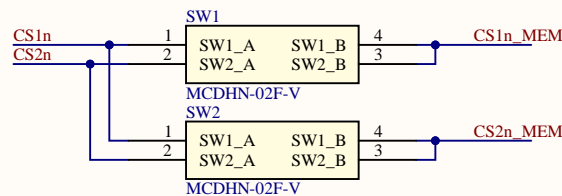


Memory interface should be routed in 50 ohm +/- 15%

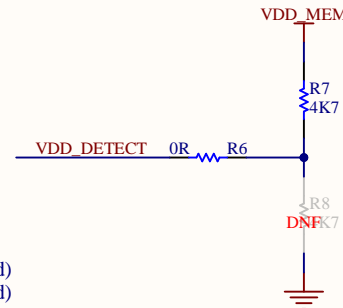
Differential CLK should be routed in 100 ohm diff +/- 10%



## CSxn SELECTION

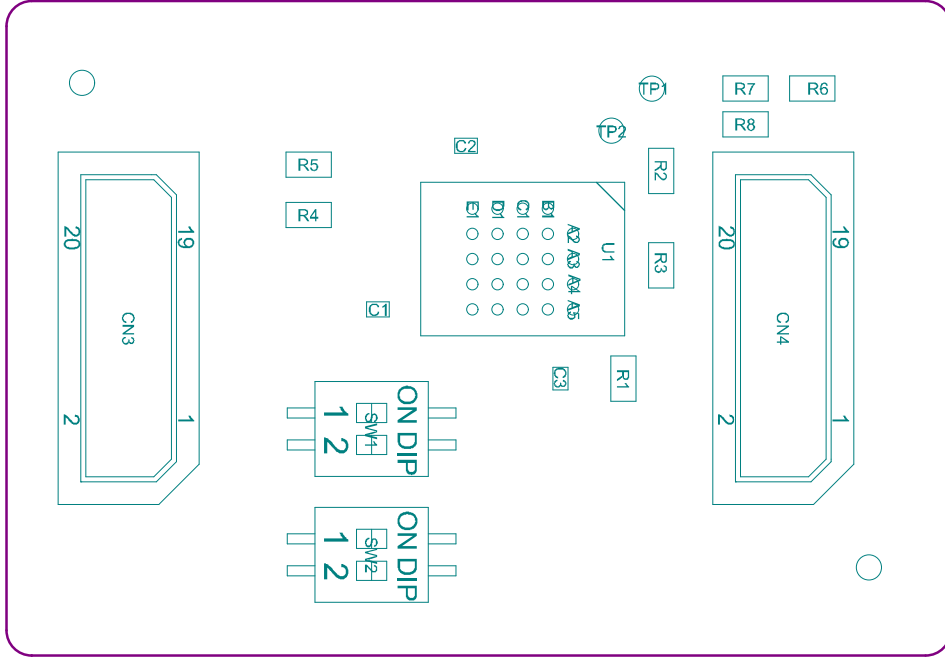


## VOLTAGE\_DETECTION



VDD\_DETECT:  
 - 0 => 1V8 (R8 connected)  
 - 1 => 3V3 (R7 connected)





Project: BGA24 OSPI / Hyperbus memory module

Layer: M14-Top Assembly

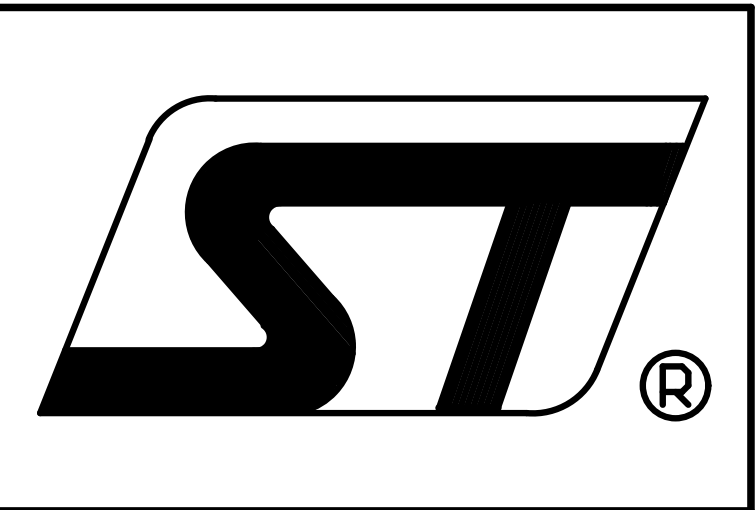
Gerber: .GM14

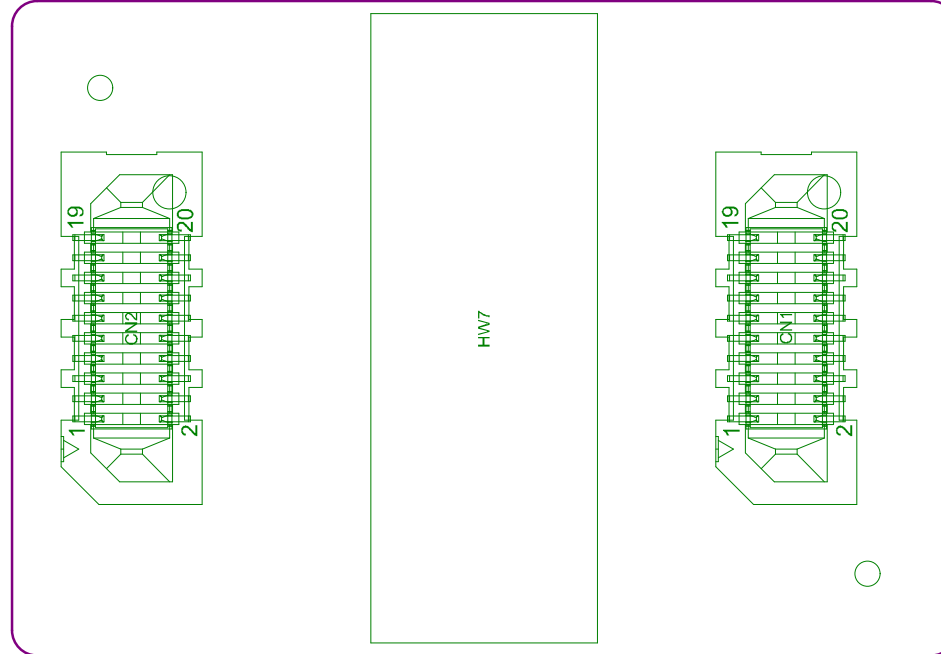
Variant: [No Variations]

Ref: MB1242

Date: 20-AUG-20

Rev: B





Project: BGA24 OSPI / Hyperbus memory module

Layer: M15-Bottom Assembly

Gerber: .GM15

Variant: [No Variations]

Ref: MB1242

Date: 20-AUG-20

Rev: B

