# Project overview

**Title:**

**Size:**

**Reference:**

**Sheet:** of A4

**Revision:**

**Project:** STM32G474E-EVAL

**MB1397**

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![U_MB1397_TOP MB1397_TOP_SchDoc](image_url)
Power Delivery management

TYPE-C Source port CC management
MEMORY

FMC

FMC_A[0..18]
FMC_D[0..15]
FMC_NOE
FMC_NWE
FMC_NBL1
FMC_NBL0
FMC_NE1
FMC_A19
FMC_A20

A0 - 181
D0 - 151
FMC_NOE
FMC_NWE
FMC_NBL1
FMC_NBL0
FMC_NE1
A12
A20

A0 - 181
A19 - 20 = 0 by default

A20 R162 220K
A19 R156 220K

Place close to SRAM

Operating range:
512x16: IS61WV51216BLL-10MLI  VDD: 2.4V to 3.6V
512x16: IS66WV51216EBLL-55BLI  VDD: 2.5V to 3.6V
Place close to SRAM
Twin Quad SPI Flash solutions:

One Twin Quad SPI Flash: U12 MT25TL01GHB8BESF-0STF, U54 NA

Two Quad SPI Flash (Default): U12 MT25QL512ABB8BESF-0STF, U54 MT25QL512ABB8BESF-0STF

Operating range: 2.7V < VDD < 3.6V
Operating range: VDD>1.8V
Operating range: VDD>2.7V
MCU EXTENSION CONNECTORS

SB82 and SB88 close to PF0/PF1 for HSE accuracy
SB88 and SB87 close to PC14/PC15 for LSE accuracy

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FTR-130-03-L-D-LC (Samtec) or FTR-130-53-L-D-LC (Samtec)?
5V Power Supply options

5V to 18V External supply

3V3 Supply

VDD ADJ Supply

1V8