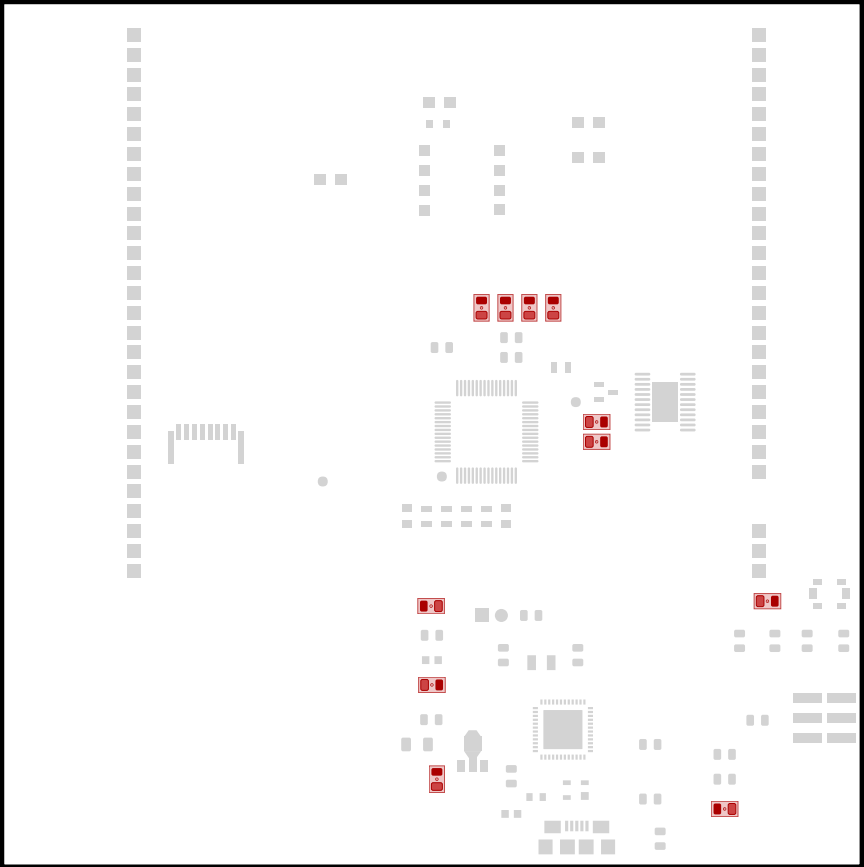


11x 0.1uF, C_0805_2012Metric

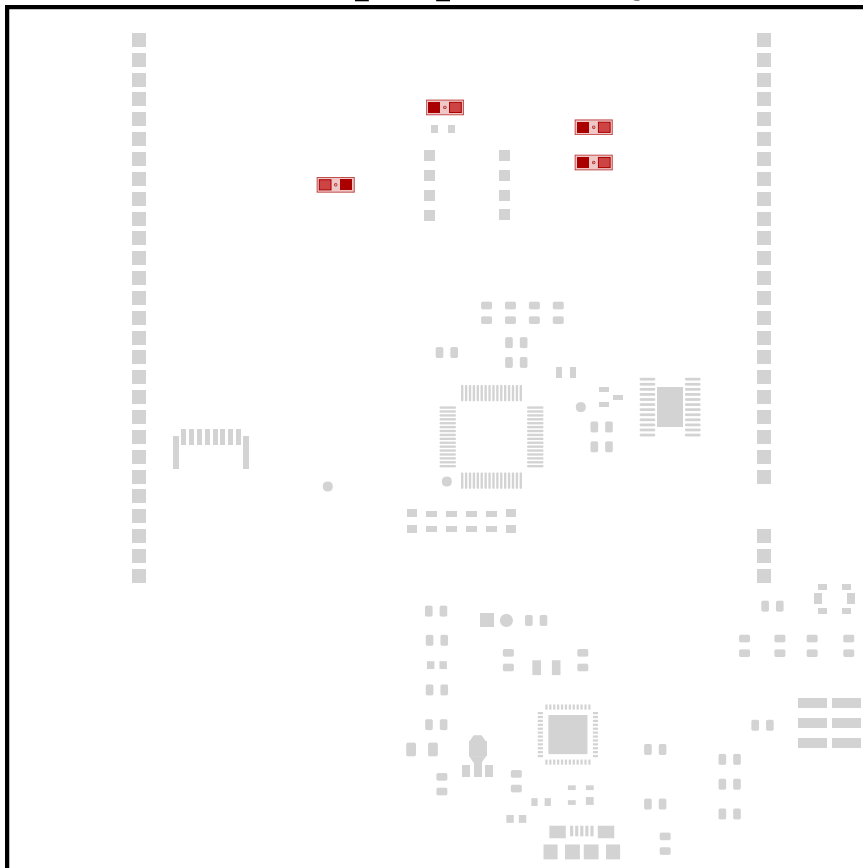


C3, C13, C15, C16, C17, C21, C22, C23, C24, C30, C31

The diagram illustrates the internal architecture of a microprocessor. At the center is the CPU core, surrounded by a cache. To the left is the memory controller, and to the right are the I/O ports. The chip is divided into four quadrants by a central horizontal and vertical line, with various functional blocks and interconnects distributed throughout. The layout is symmetrical, with components mirrored across the center. The diagram uses a combination of solid lines, dashed lines, and various symbols to represent different types of components and connections.

R32, R33, R34, R35, R37

4x 220, R_0805_HandSoldering

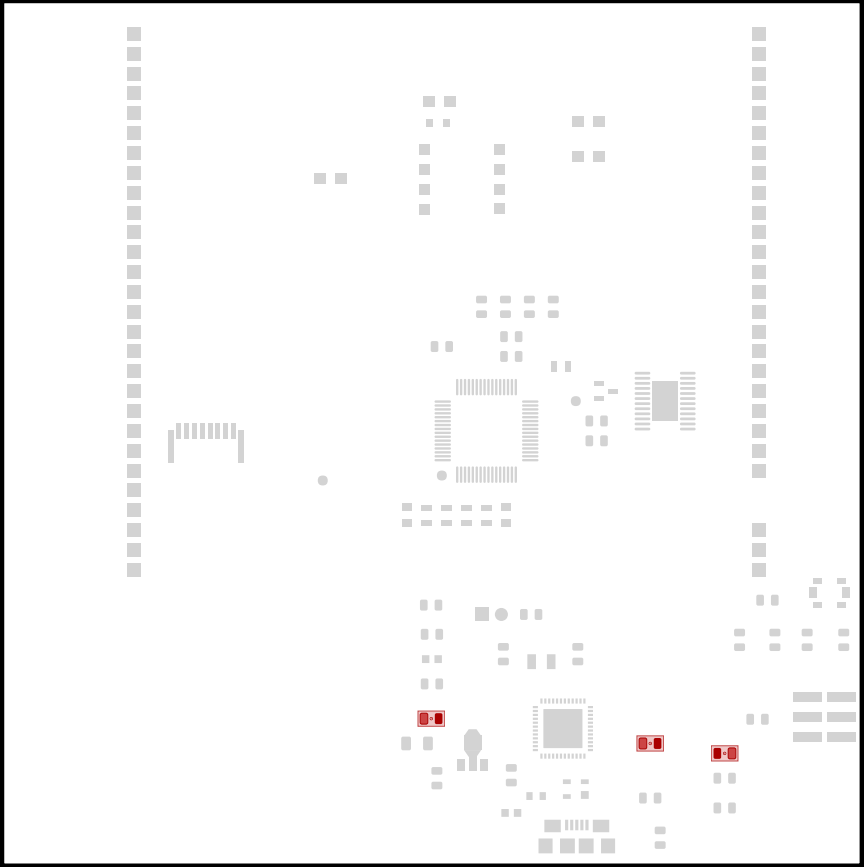


R38, R39, R40, R41

The diagram illustrates the internal architecture of a microprocessor. It features a central CPU core, surrounded by various functional blocks including cache memory, memory controller, and I/O ports. The layout is symmetrical, with components arranged in a balanced manner. Key elements include a central processing unit, cache, memory controller, and various I/O ports, all interconnected to form a cohesive system.

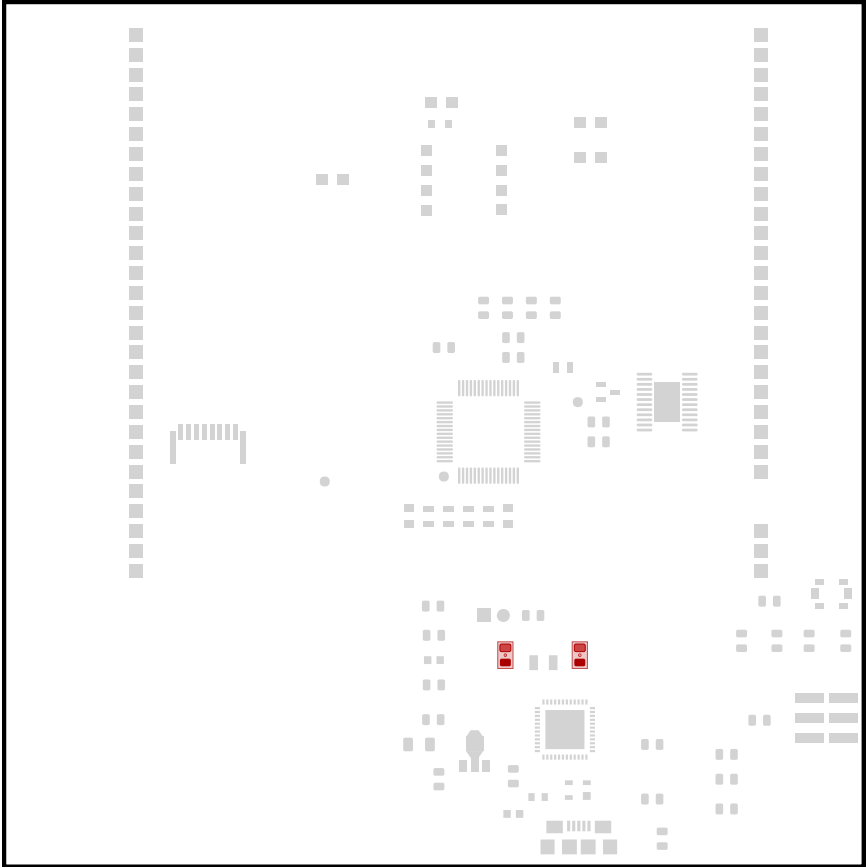
R3, R6, R7

3x 1uF, C_0805_2012Metric



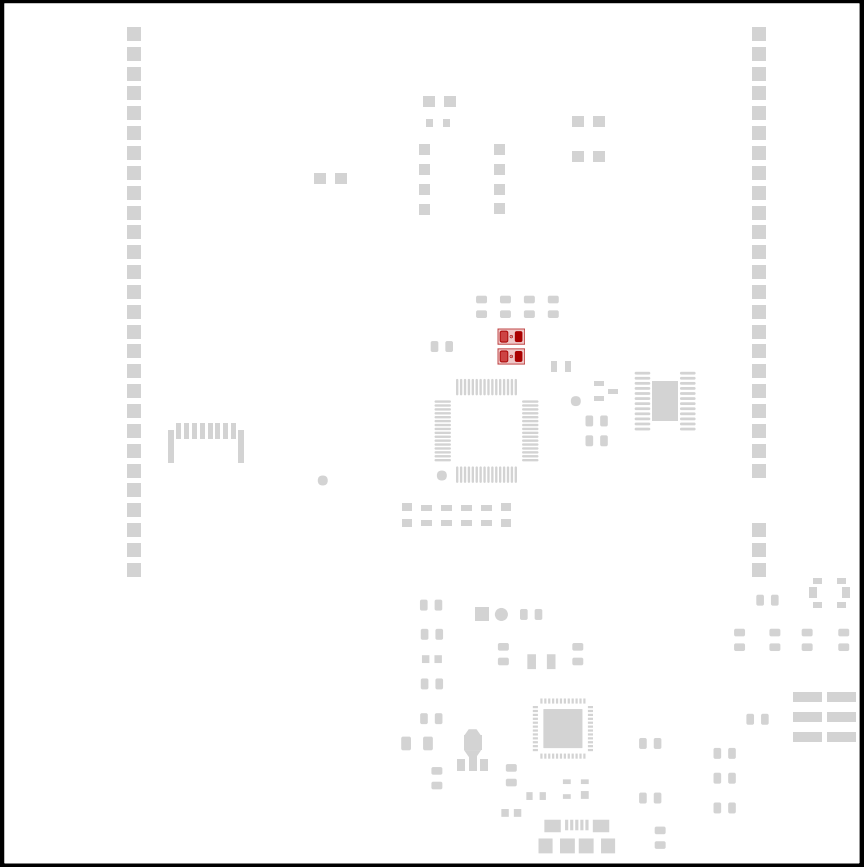
C14, C19, C20

2x 20pF, C_0805_2012Metric



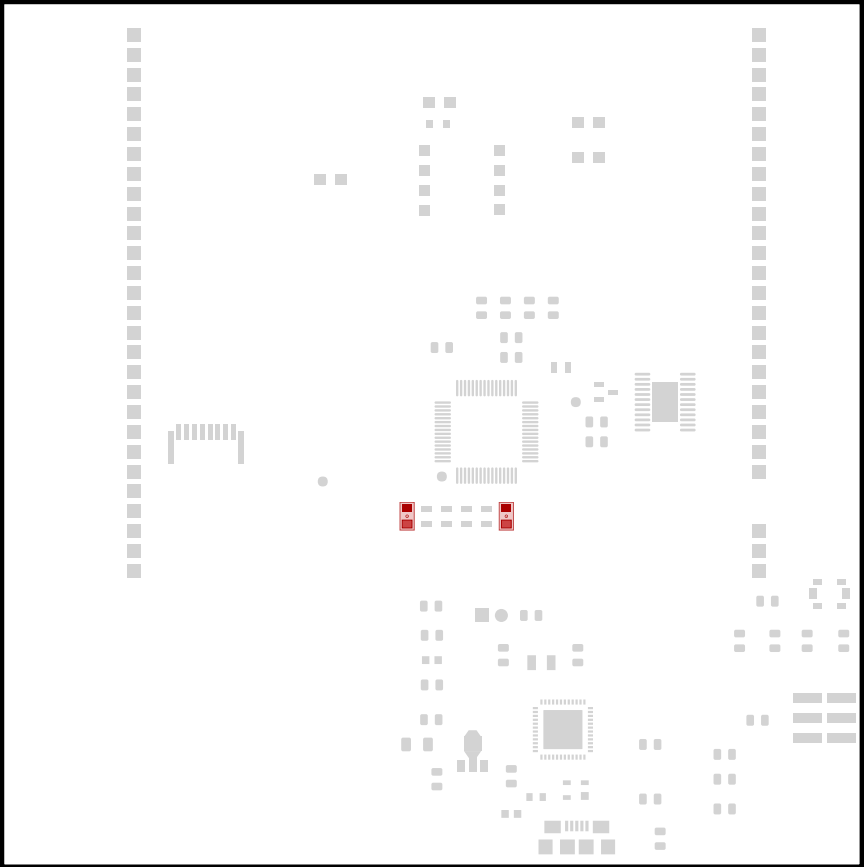
C4, C5

2x 1.0uF, C_0805_2012Metric



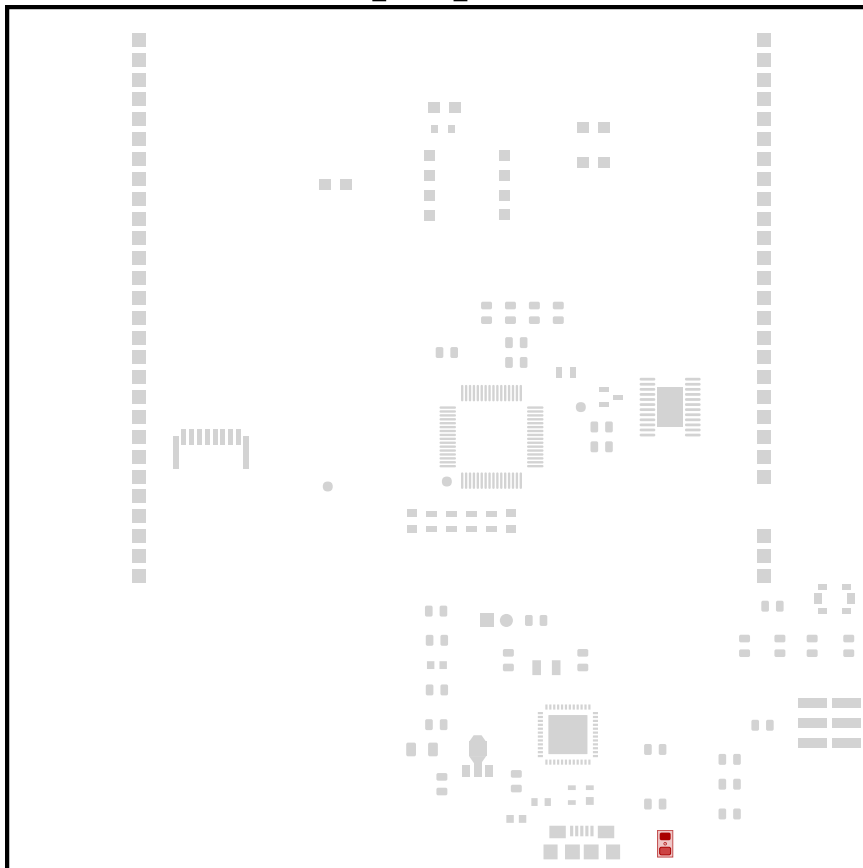
C26, C27

2x 0.1uF, C_0805



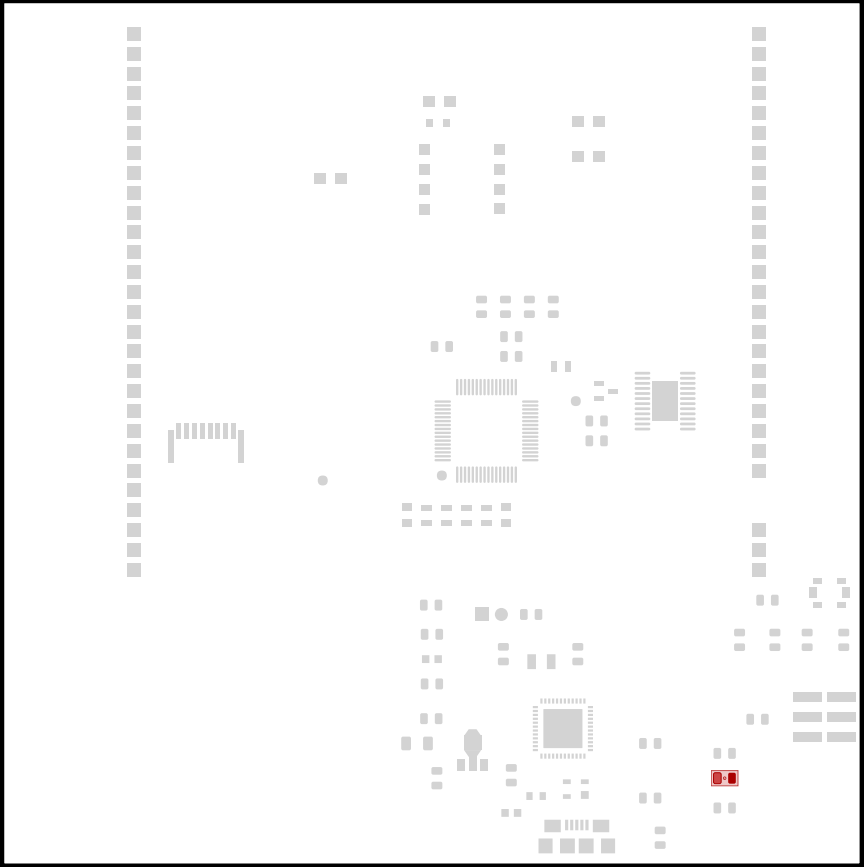
C28, C29

1x 1M, R_0805_2012Metric



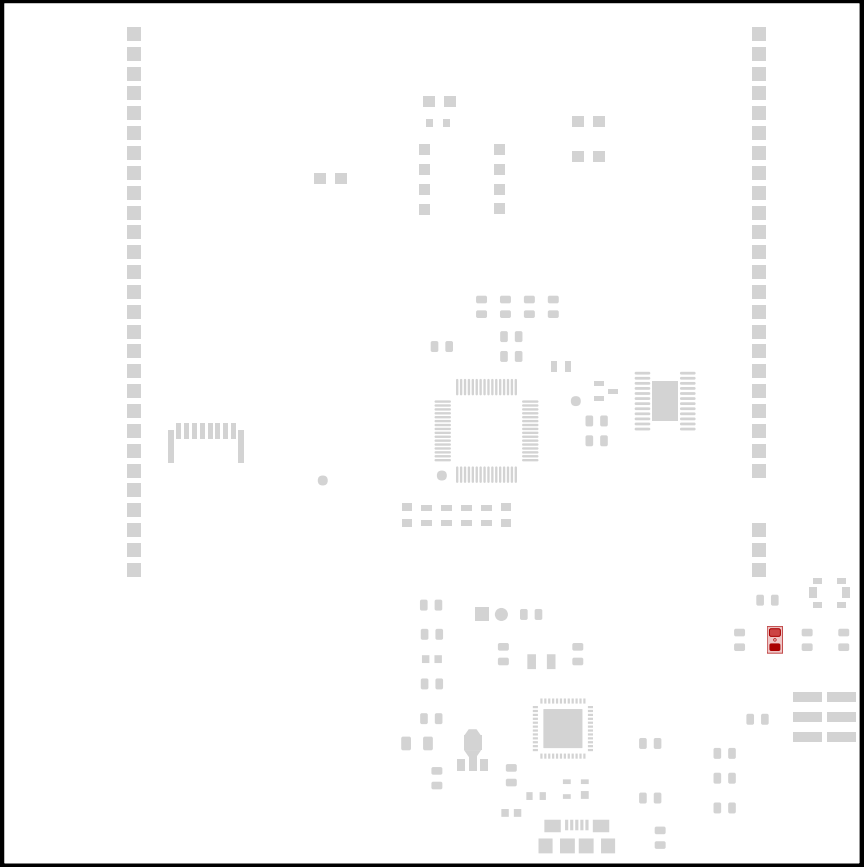
R1

1x 10k, R_0805_2012Metric



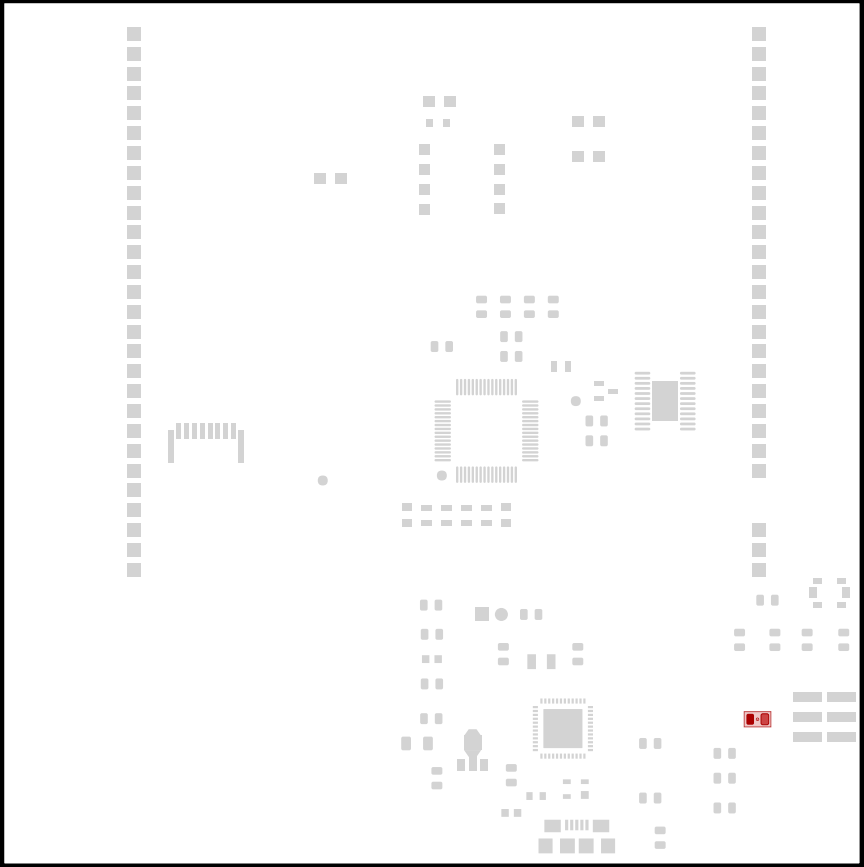
R17

1x 10K, R_0805_2012Metric



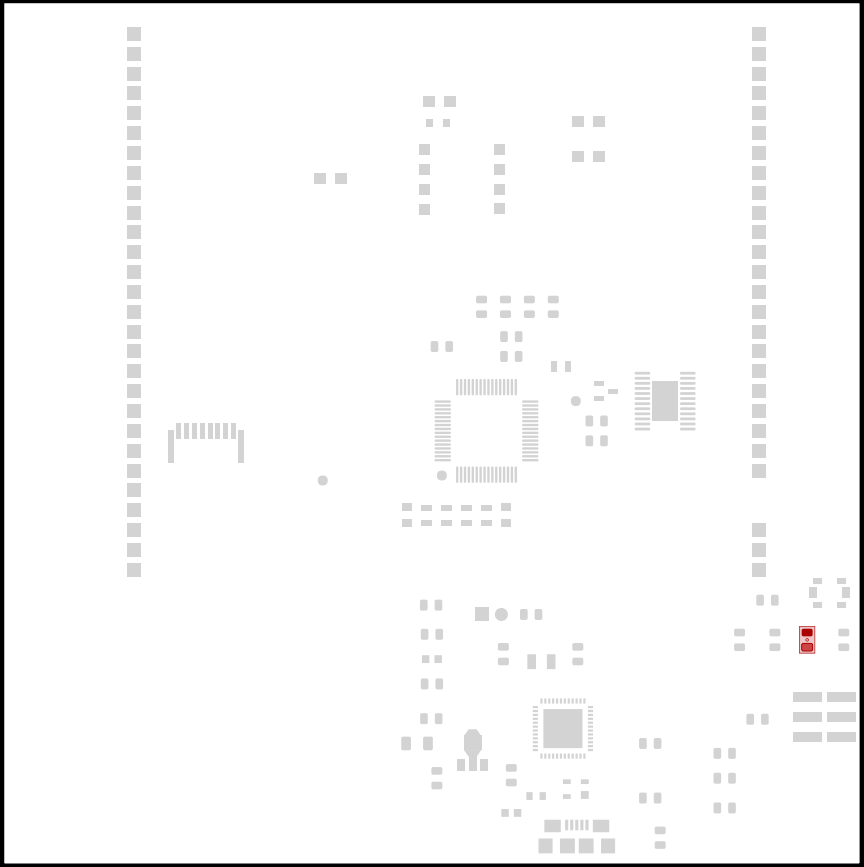
R5

1x 1K, R_0805_2012Metric



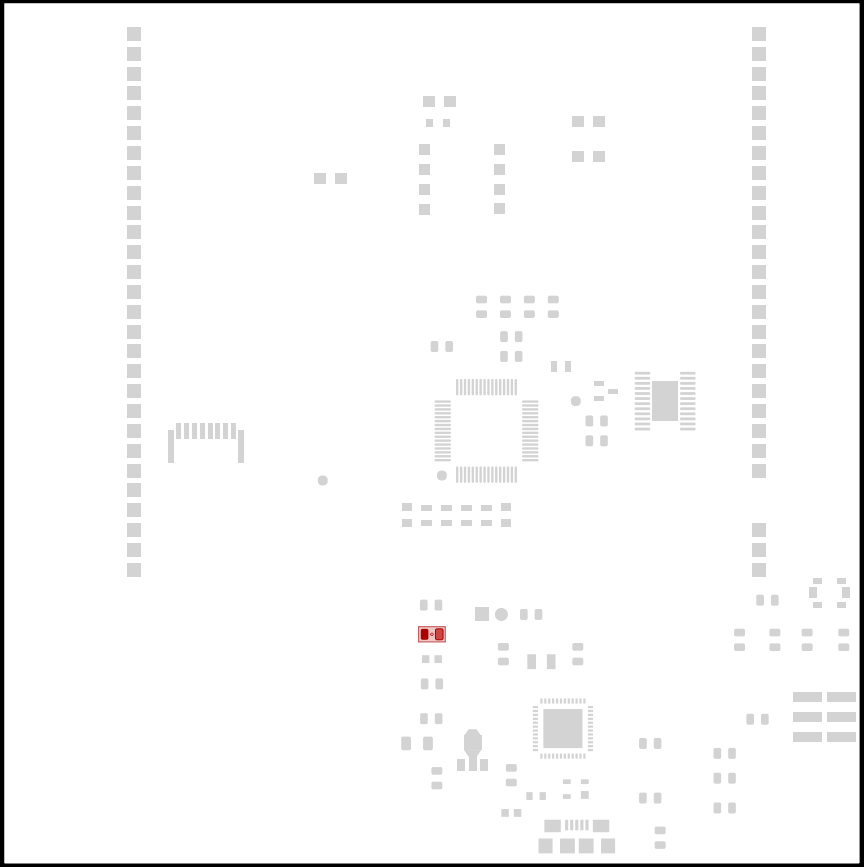
R4

1x 39R, R_0805_2012Metric



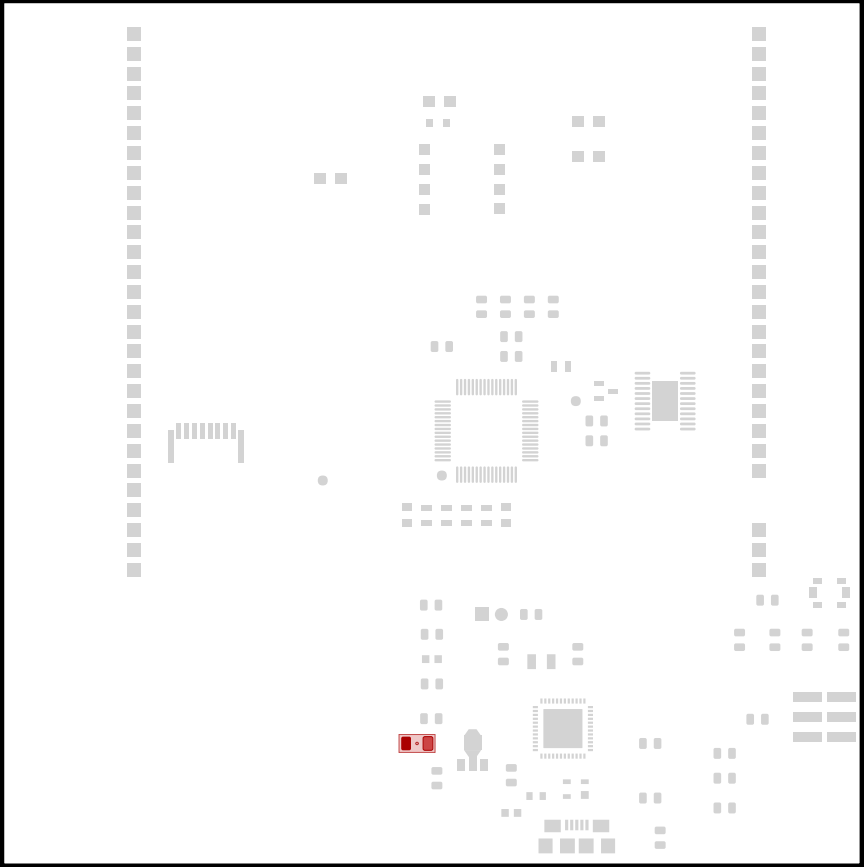
R2

1x 4.7uF, C_0805_2012Metric



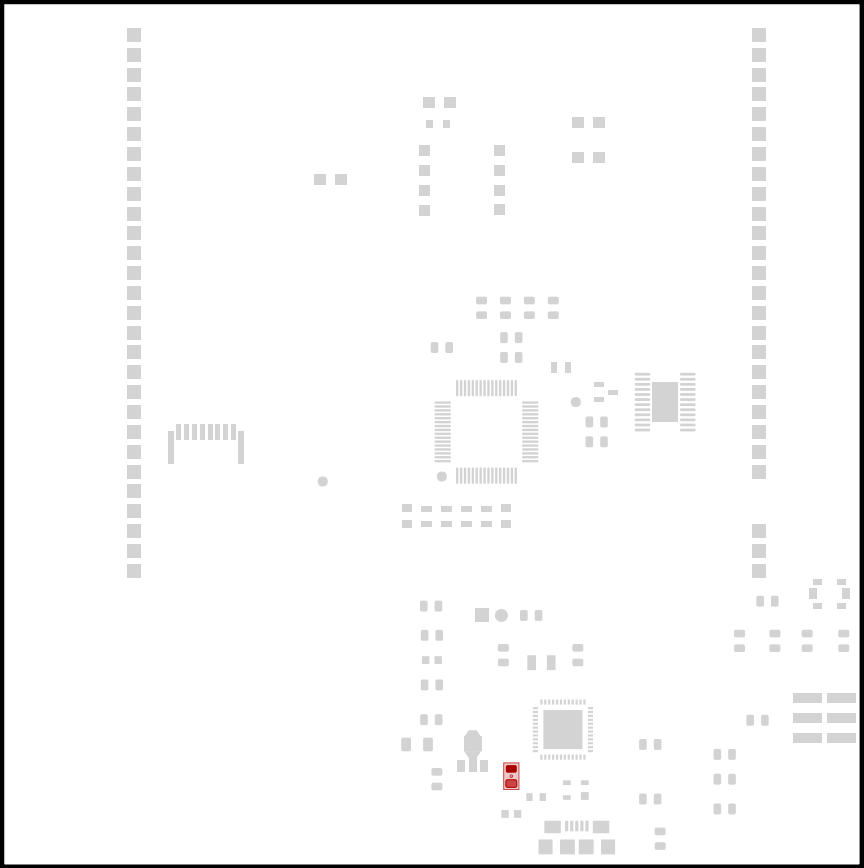
C18

1x 1nF, C_1206_3216Metric



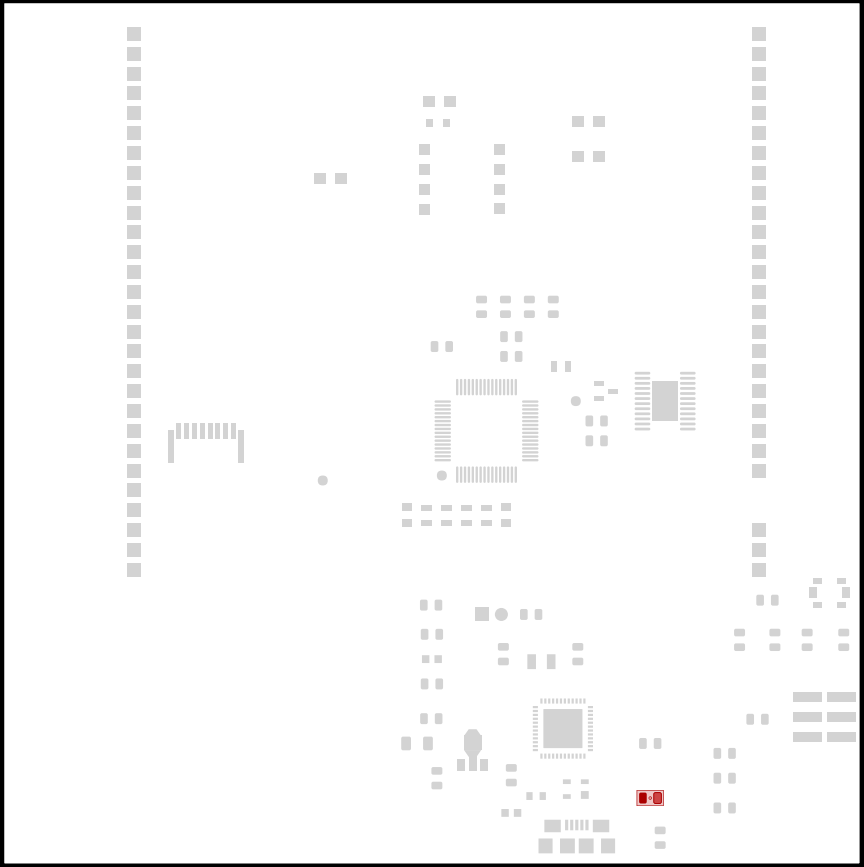
C6

1x 1nF, C_0805_2012Metric



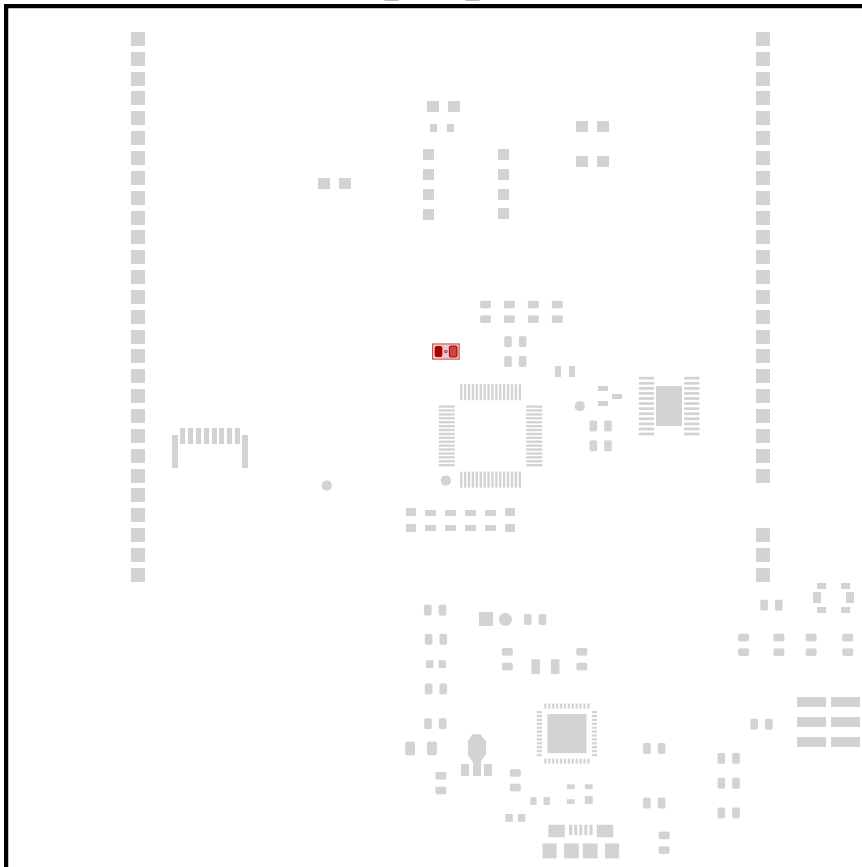
C2

1x 4.7nF, C_0805_2012Metric



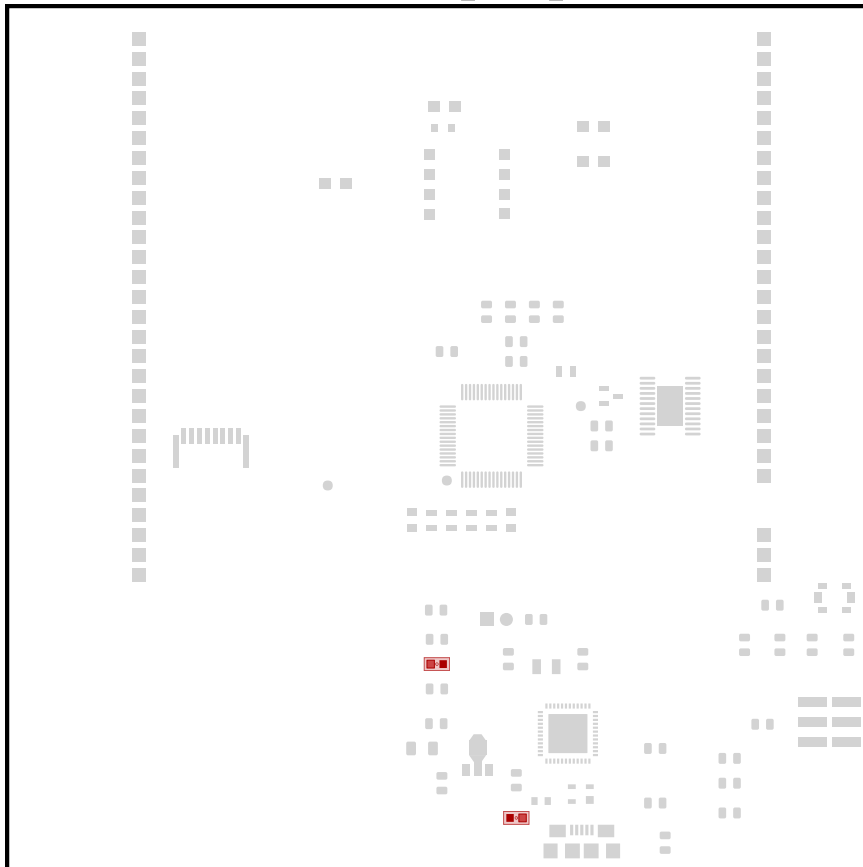
C1

1x 10uF, C_0805_2012Metric



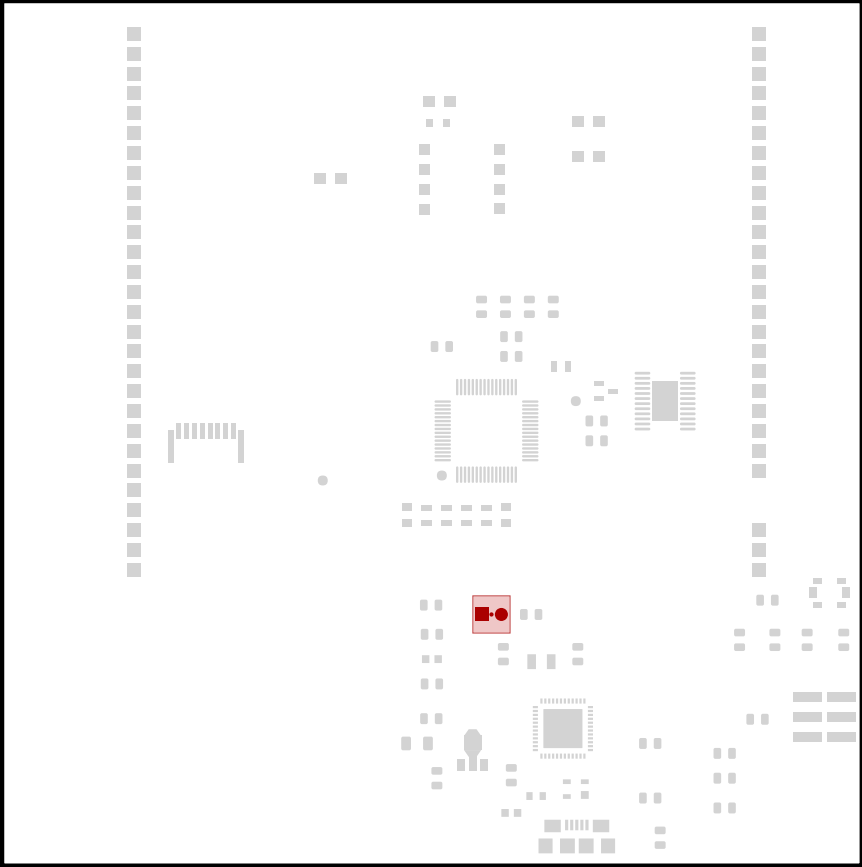
C25

2x BLM18PG471SN1D, MK1_ZERO_0603-1608X90N



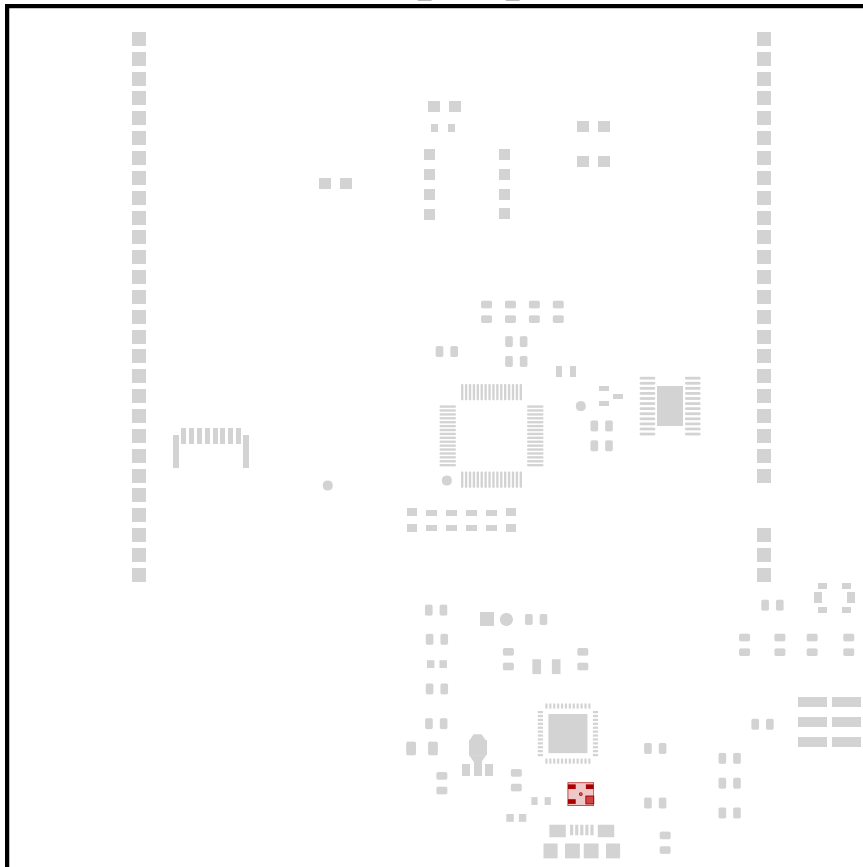
L1, L2

1x LED, LED_RADIAL_3MM



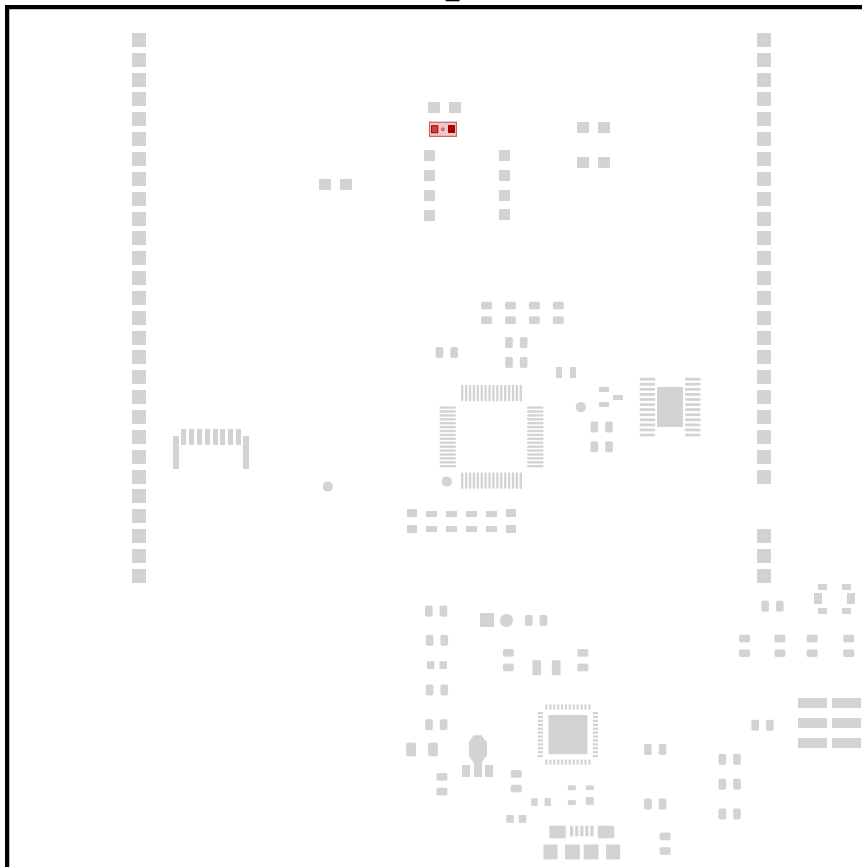
D2

1x PRTR5V0U2X,215, MK1_ZERO_SOT190P230X110-4N



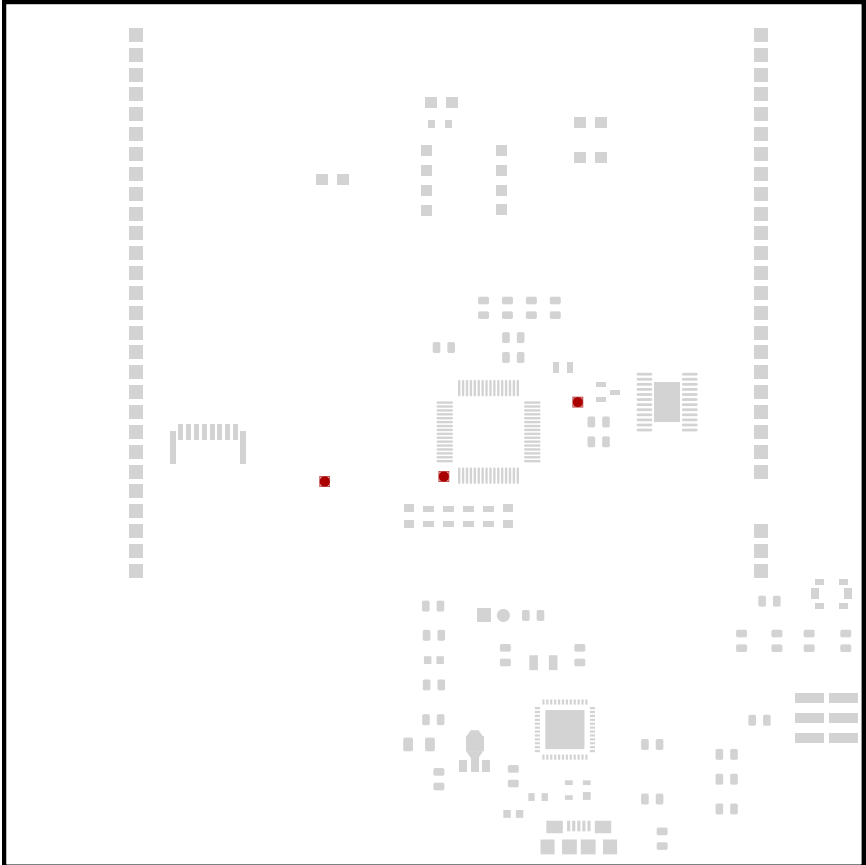
D1

1x D, D_0805



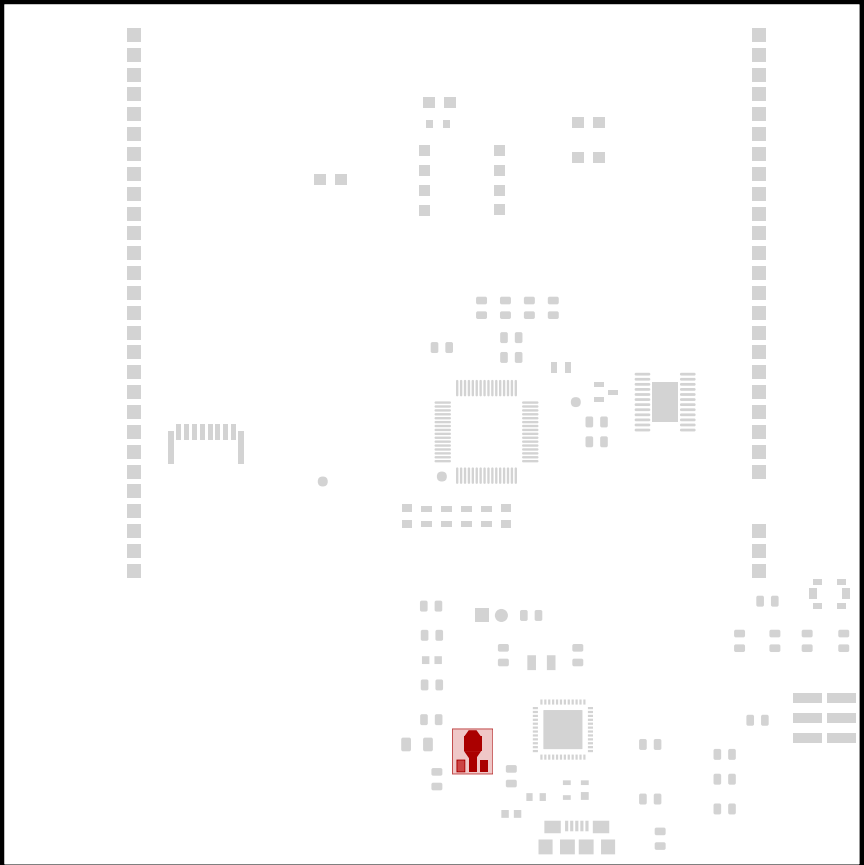
D3

3x TEST-POINT3X5, PAD.03X.05



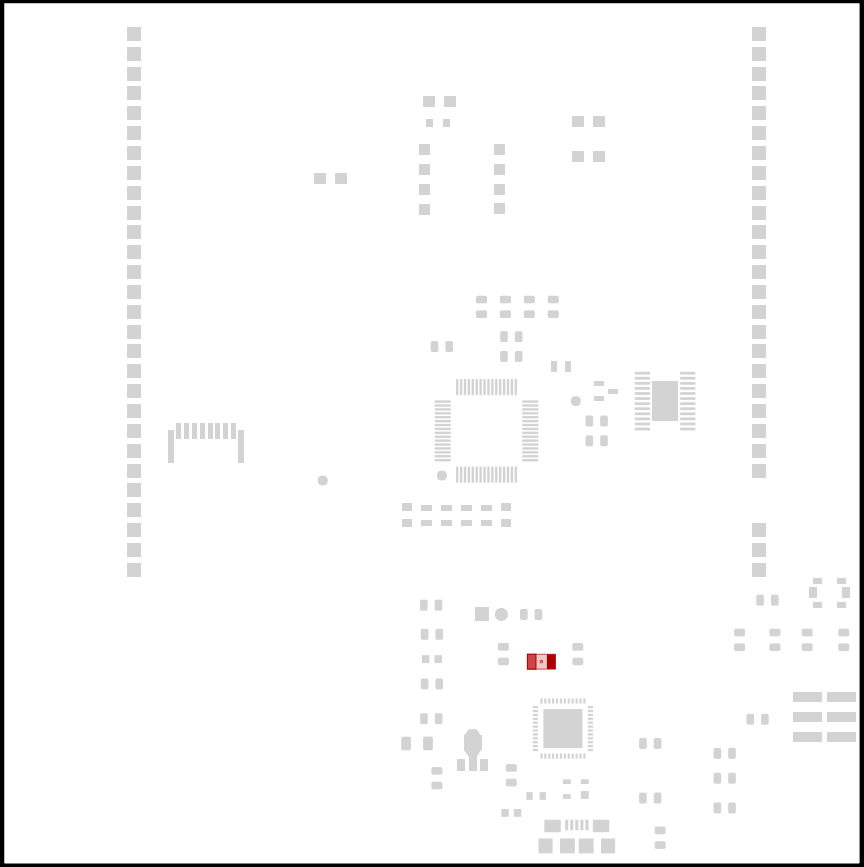
TP1, TP2, TP3

1x AP7215-33YG-13, SOT-89-3



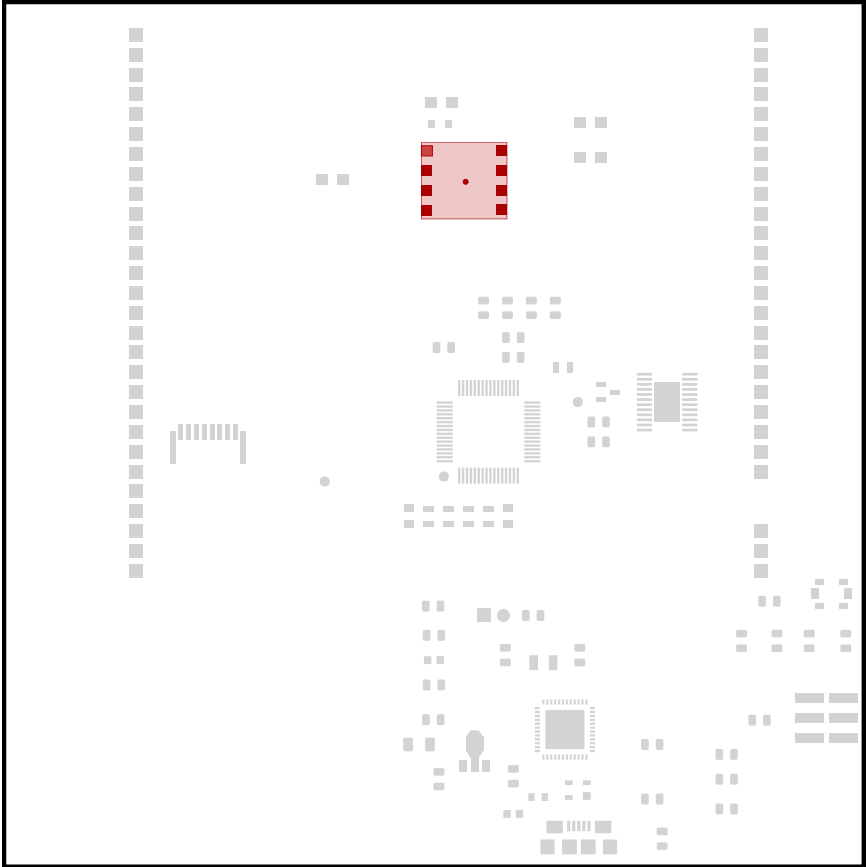
U2

1x 32.768KHz, MK1_ZERO_QUARZO-ABS07



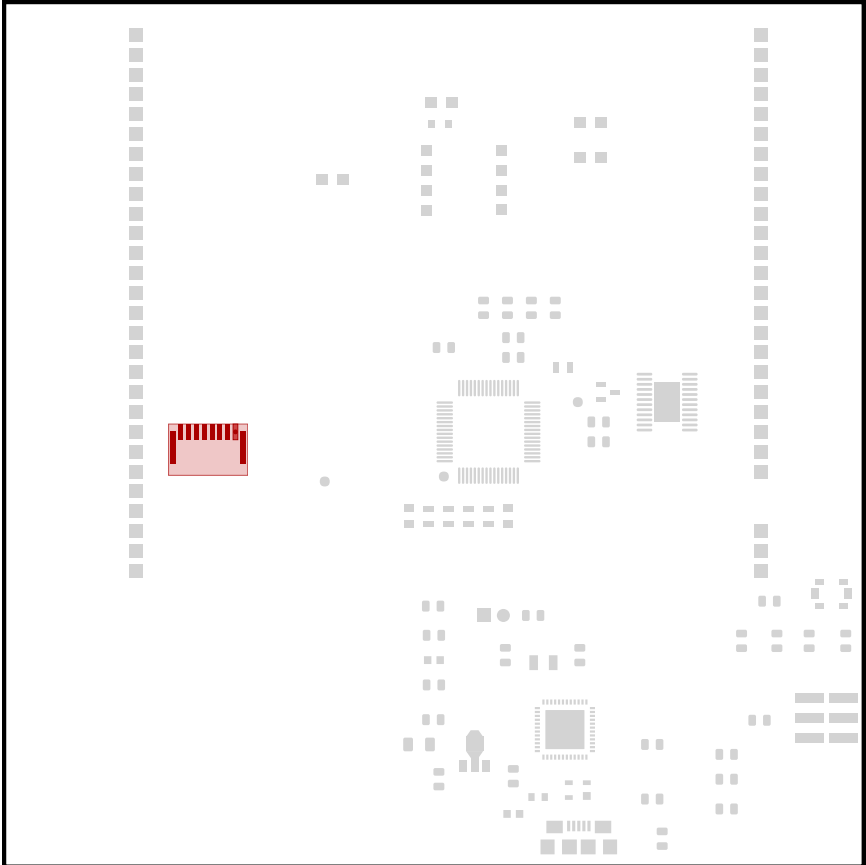
Y1

1x OPTO_DARL_6N138S, 8-SMD



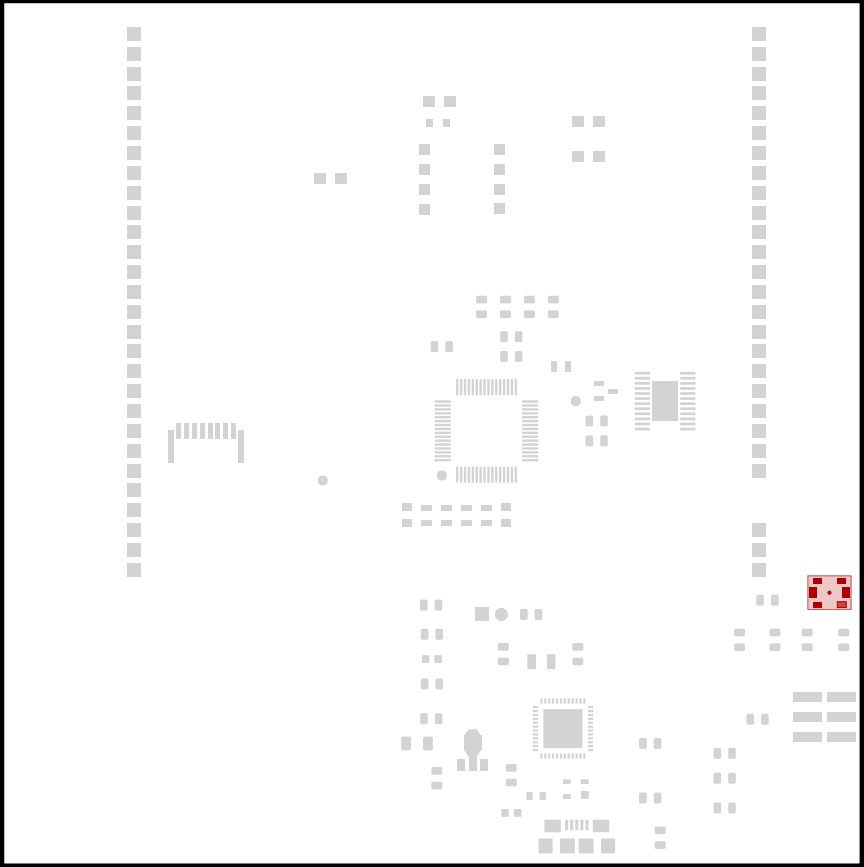
U\$4

1x 1734592-8, HFW8R-1STE1LF



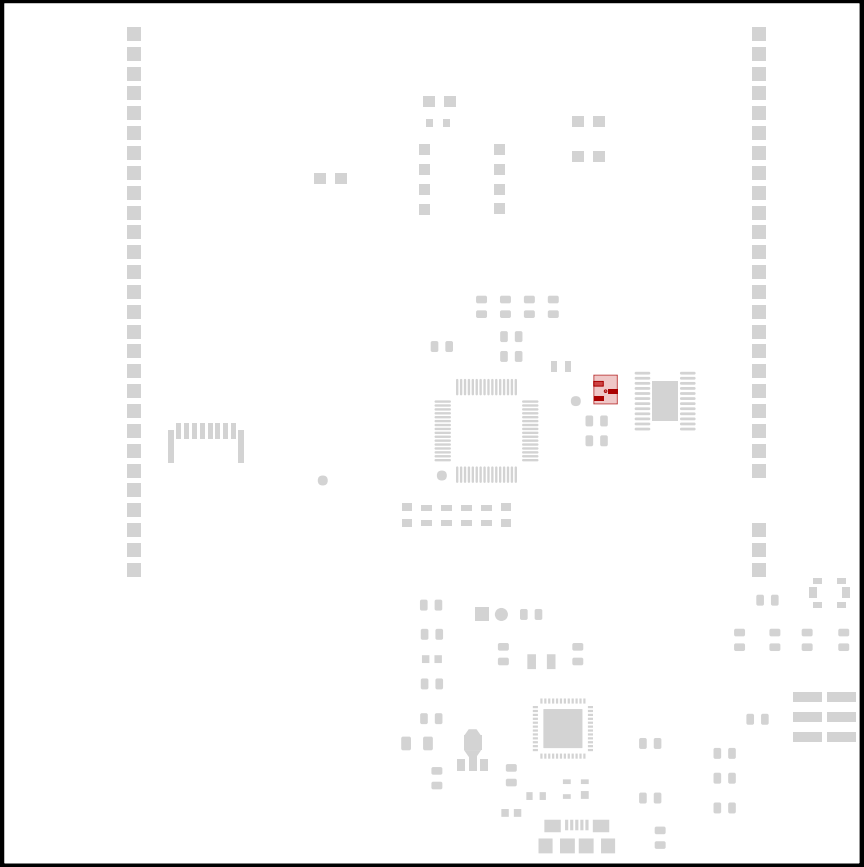
U\$3

1x PUSHBUTTON2, C&K_PTS820_NOPEGS



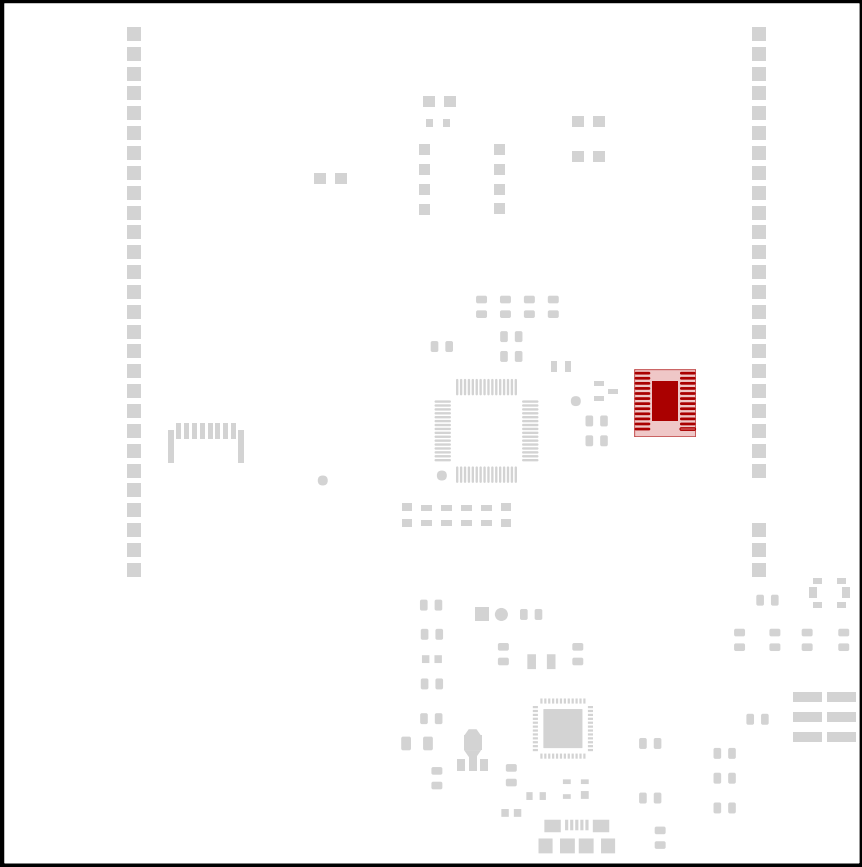
U\$1

1x MICROCHIP_MCP1700T-2502E-TT
MICROCHIP_MCP1700T-2502E-TT_0_0,
MICROCHIP_MCP1700T-2502E-TT_0



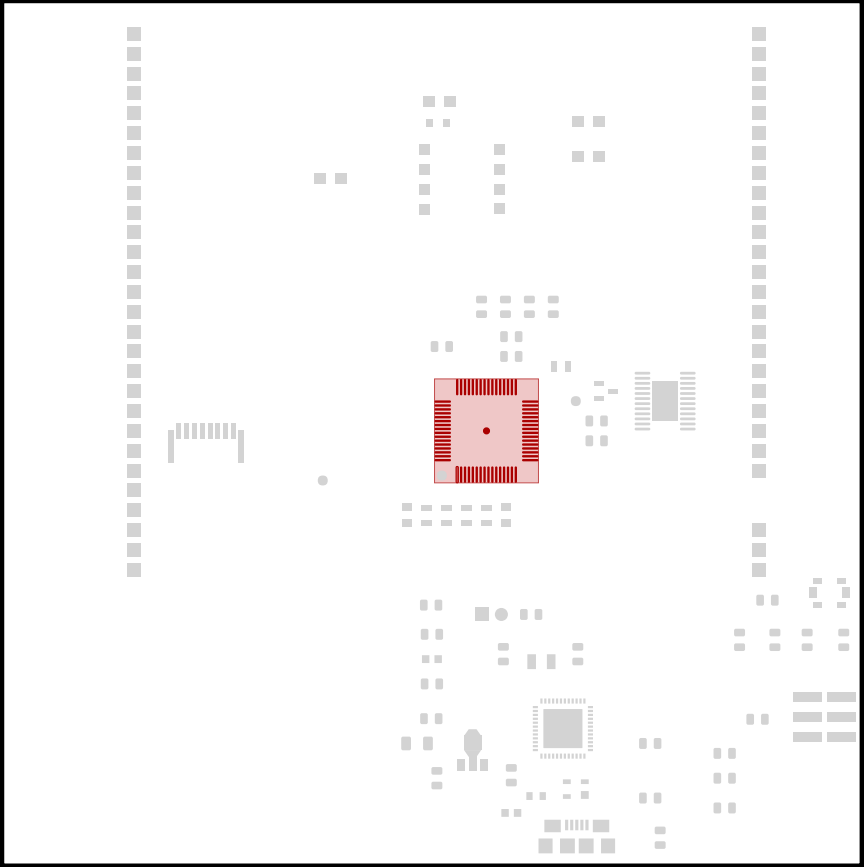
U5

1x ANALOG_DEVICES_AD5754BREZANALOG_DEVICES_AD5754BREZ_0_2,
ANALOG_DEVICES_AD5754BREZ_2



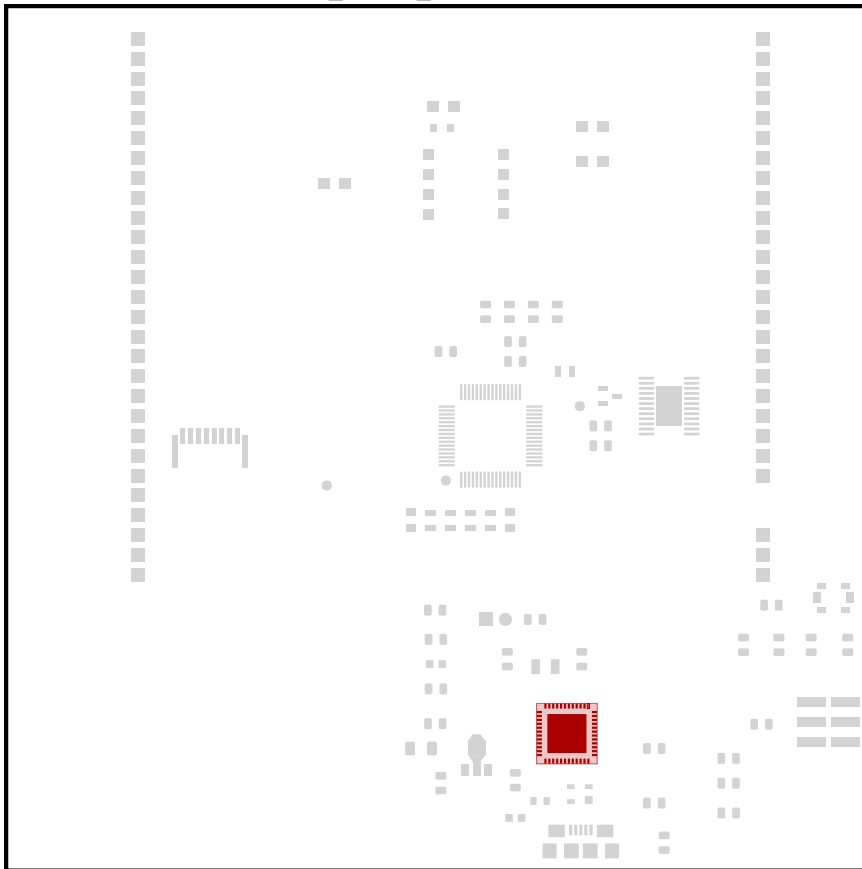
U4

1x ANALOG_DEVICES_AD7606BSTZANALOG_DEVICES_AD7606BSTZ_0_2,
ANALOG_DEVICES_AD7606BSTZ_2



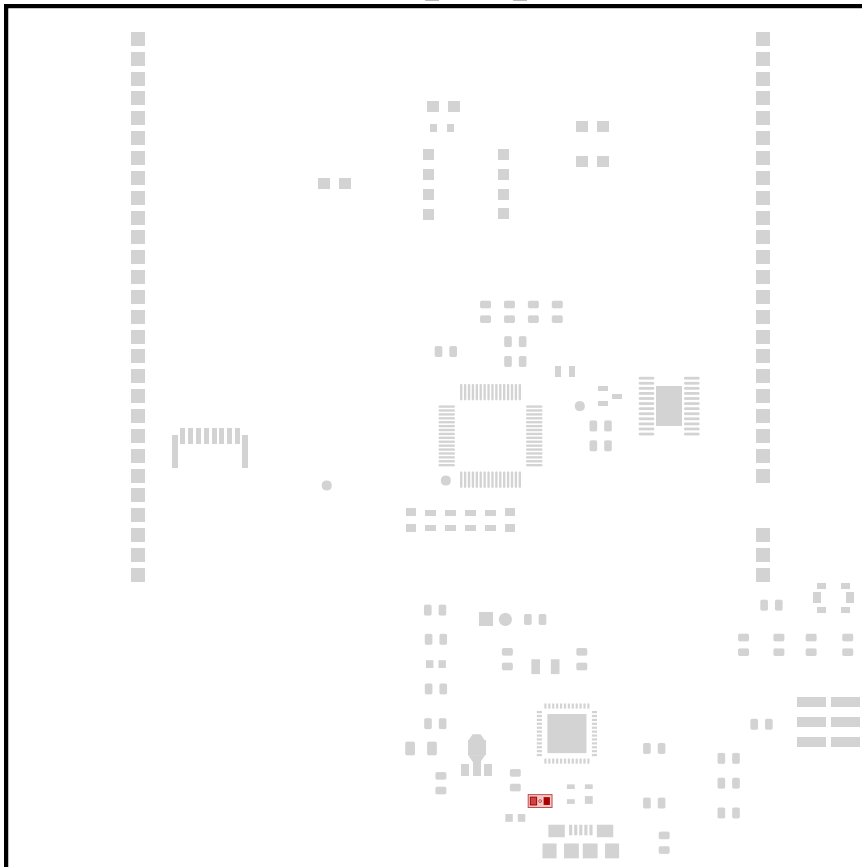
U3

1x ATSAMD21G18A-48, MK1_ZERO_QFN50P700X700X90-49XN-EPSQ515



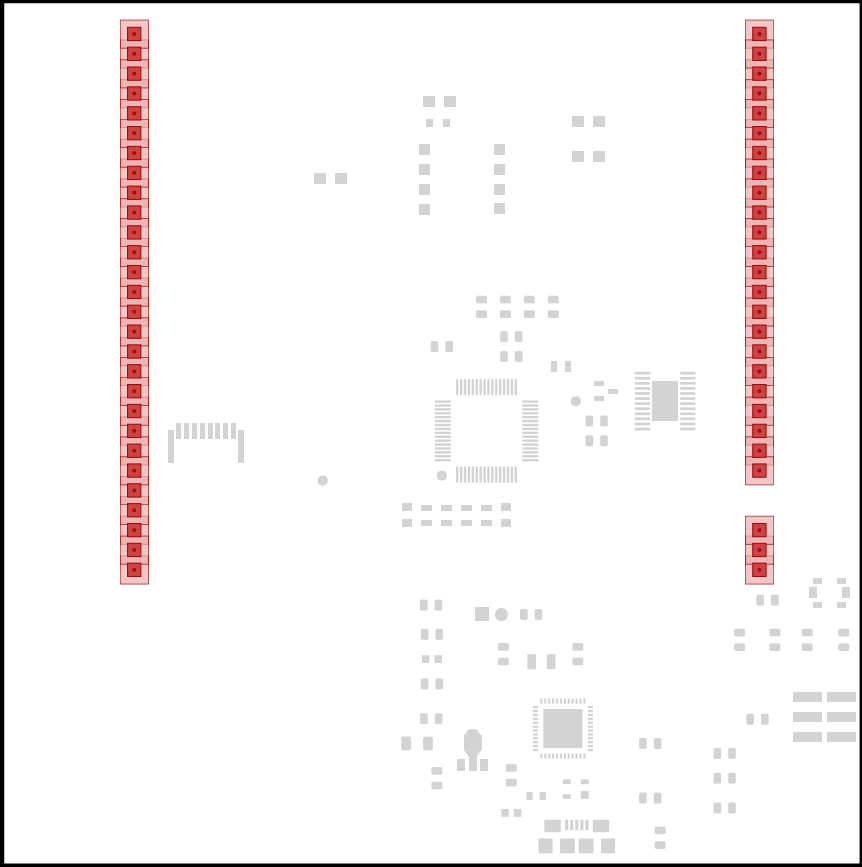
U1

1x MF-FSMF050X-2, MK1_ZERO_0603-F1608X100N



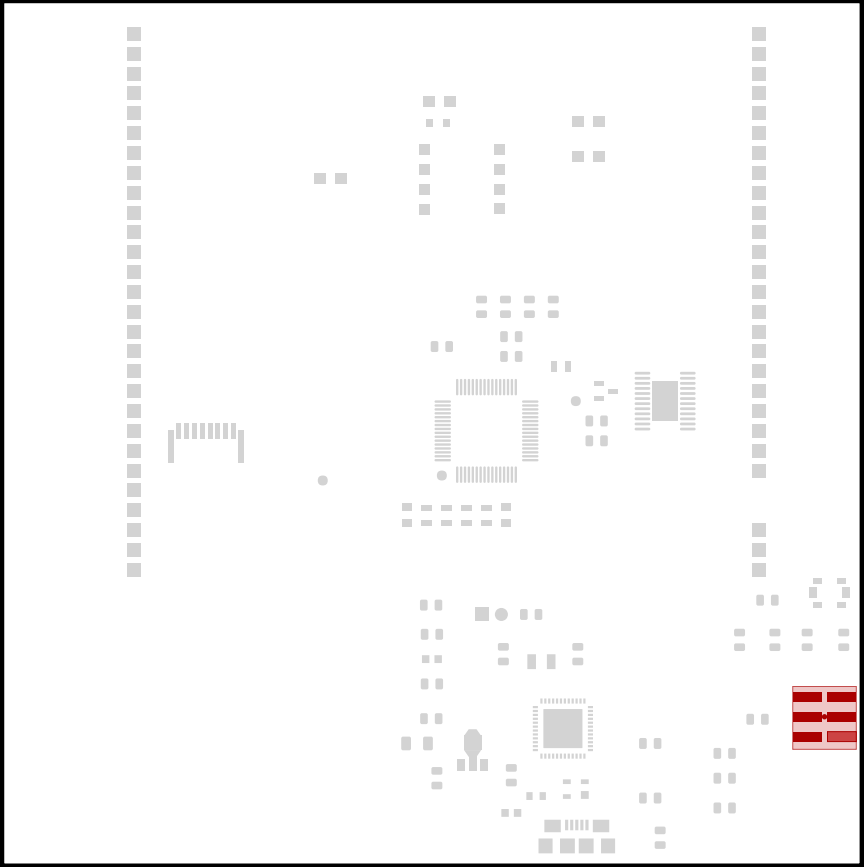
F1

54x Conn_01x01_Female, PinSocket_1x01_P2.54mm_Vertical



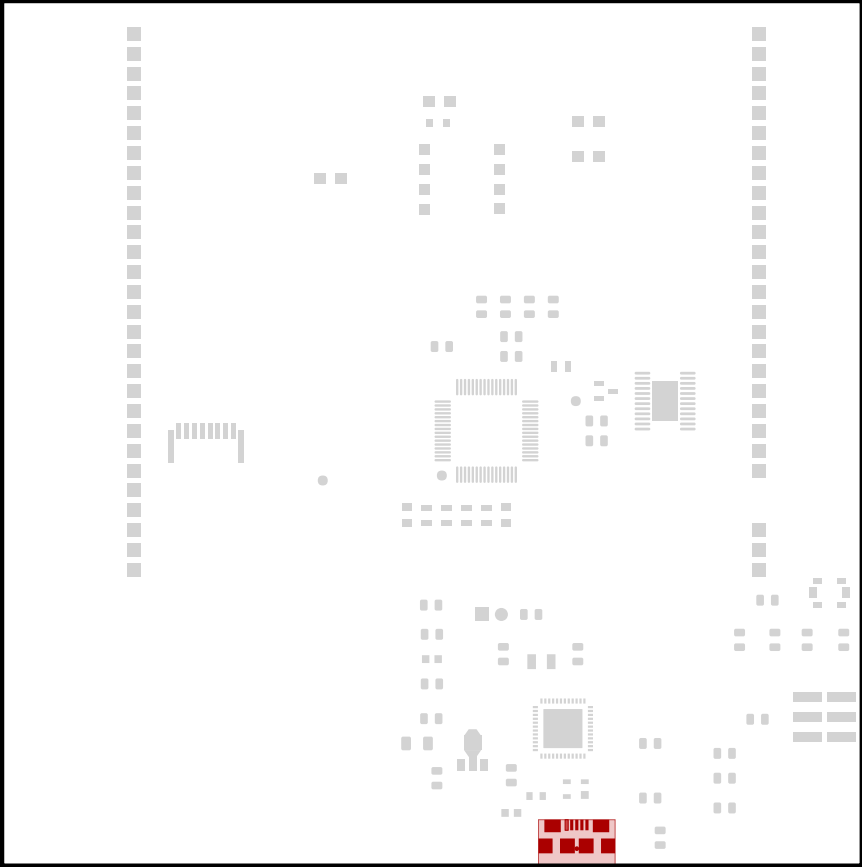
J3, J4, J5, J6, J7, J8, J9, J10, J11, J12, J13, J14, J15, J16, J17, J18, J19, J20, J21, J22, J23, J24, J25, J26, J27, J28, J29, J30, J31, J32, J33, J34, J35, J36, J37, J38, J39, J40, J41, J42, J43, J44, J45, J46, J47, J48, J49, J50, J51, J52, J53, J54, J55, J56

1x 2X3_SMD_MALE, 2X3_SMT



J2

1x ZX62-AB-5PA(31) , MK1_ZERO_USBMICRO-ZX62-AB-5PA



J1