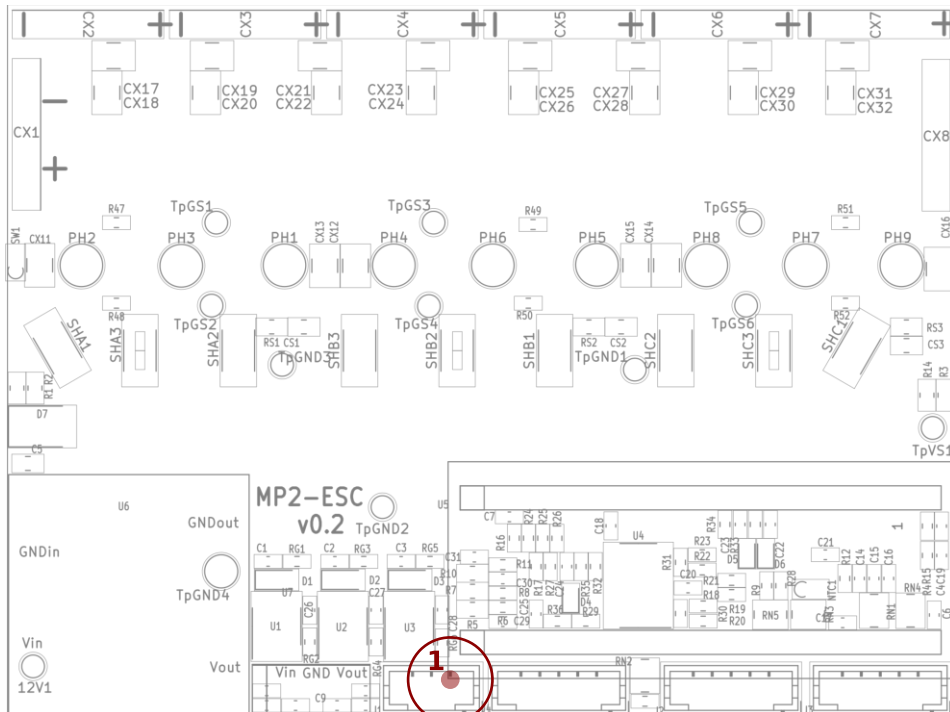
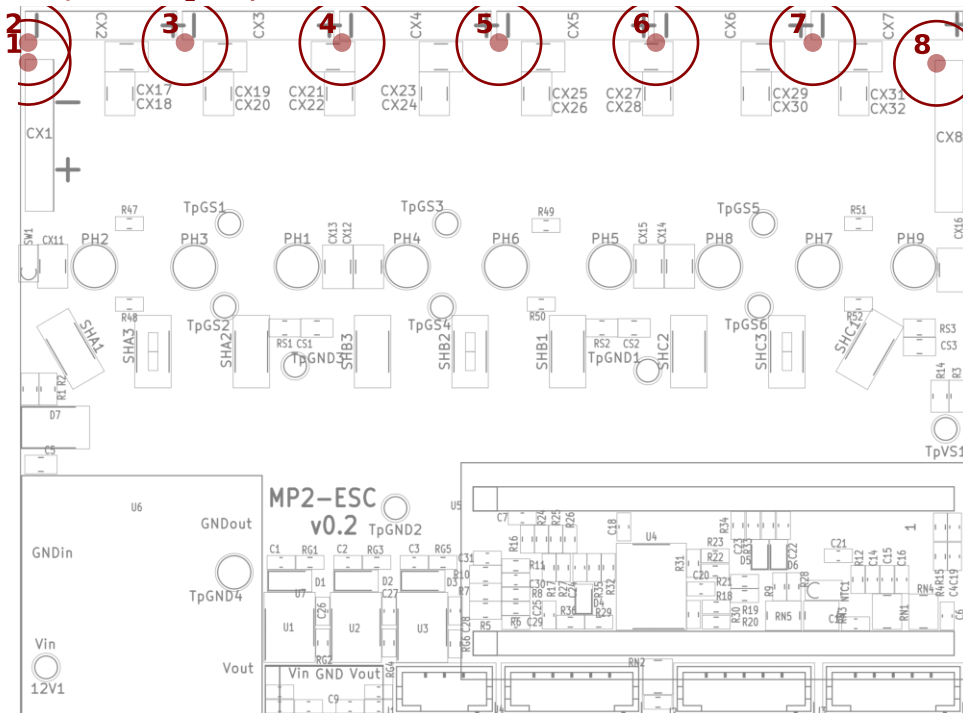


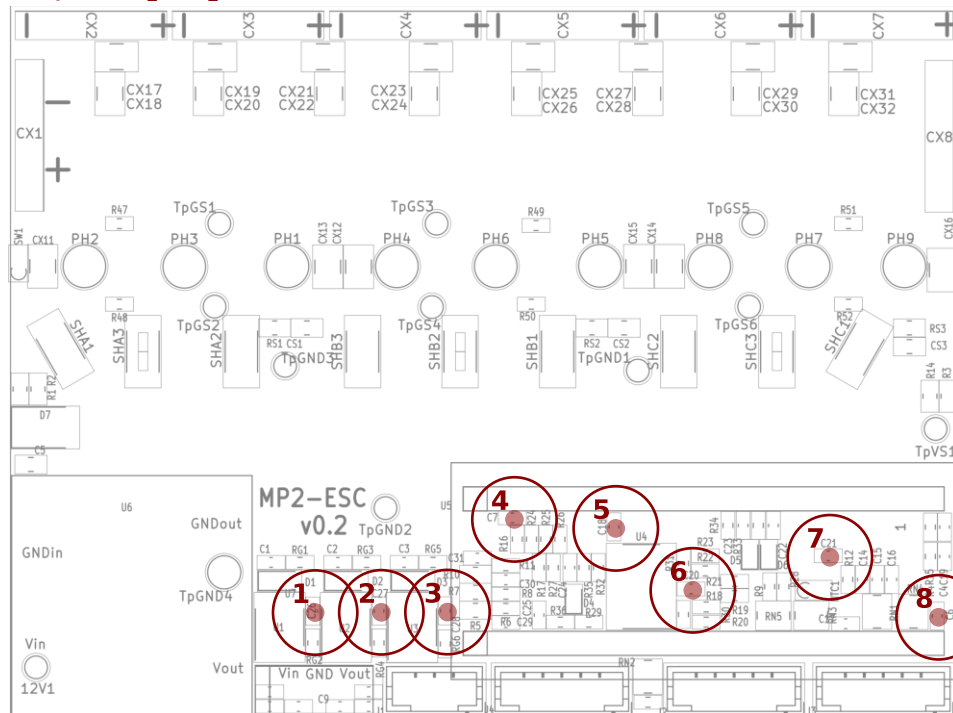
Footprint = Blackpill_STM32 / Value = STM32F401CCU6_B / Nb = 1



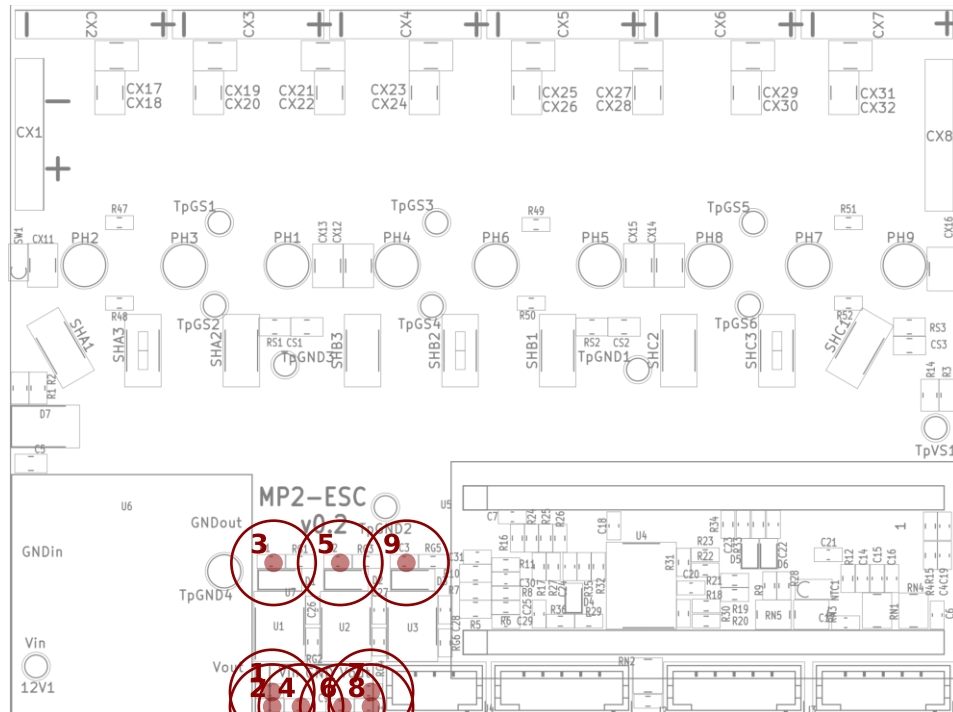
Footprint = CAP_Polarized / Value = 470uF / Nb = 8



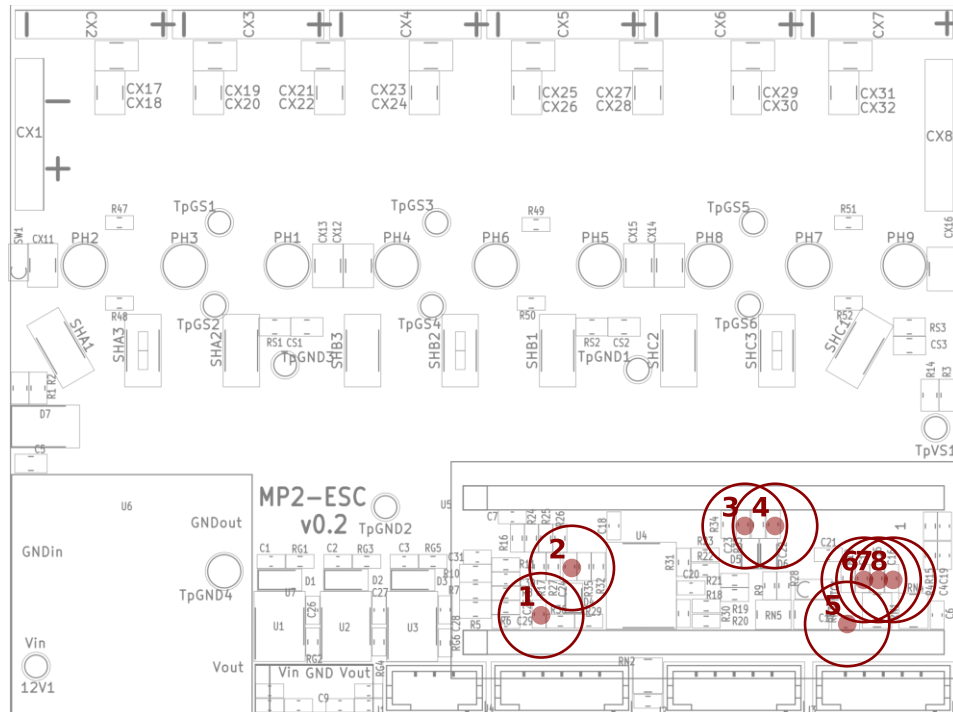
Footprint = C_0603_1608Metr / Value = 100n / Nb = 8



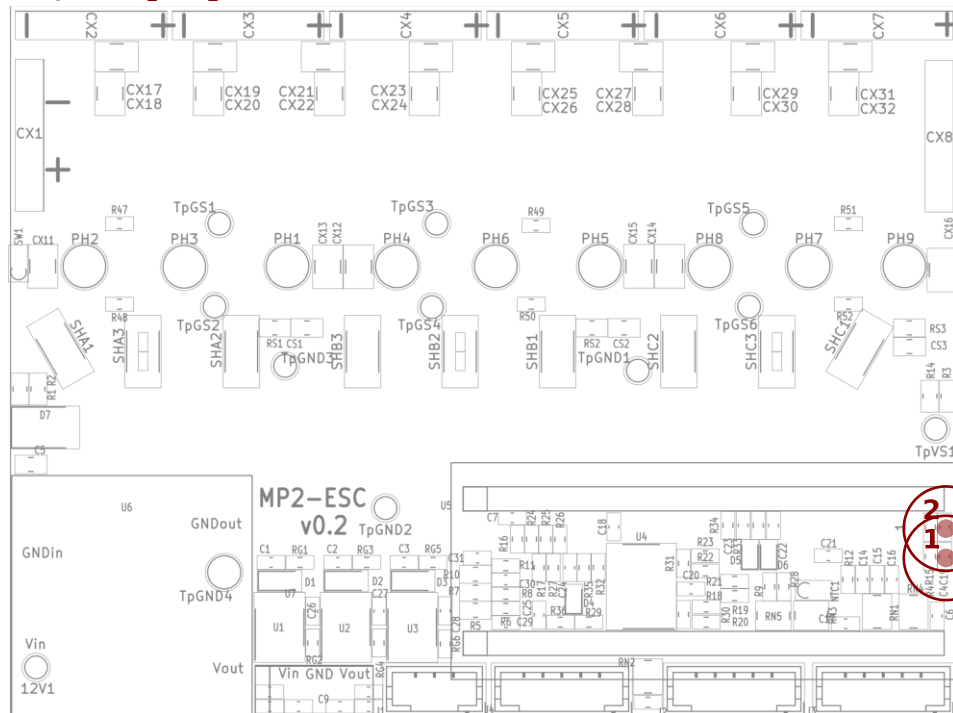
Footprint = C_0603_1608Metr / Value = 10uF / Nb = 9



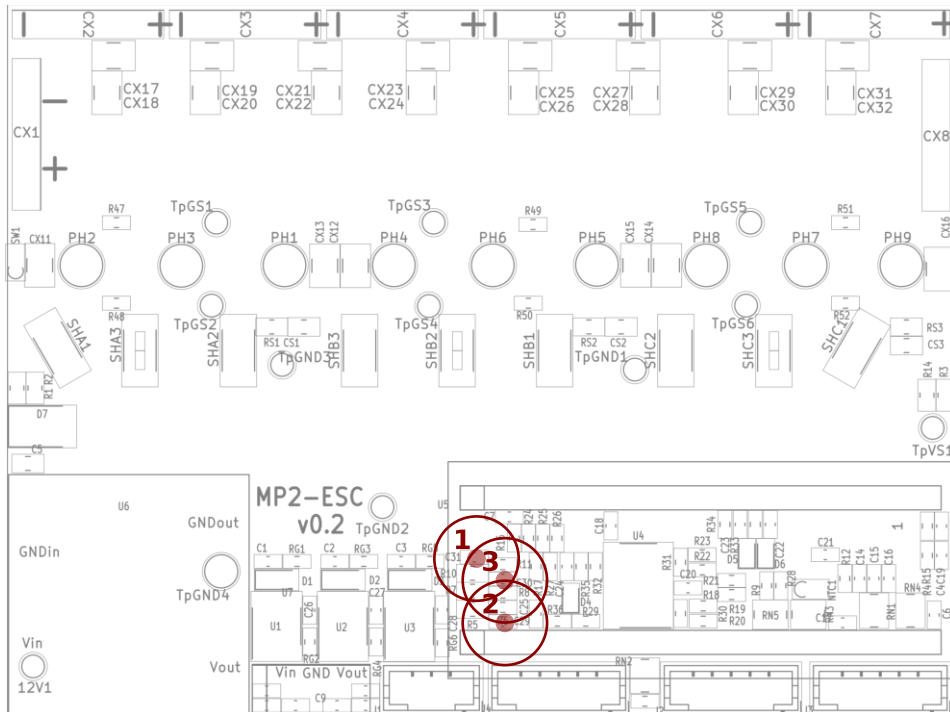
Footprint = C_0603_1608Metr / Value = 1nF / Nb = 8



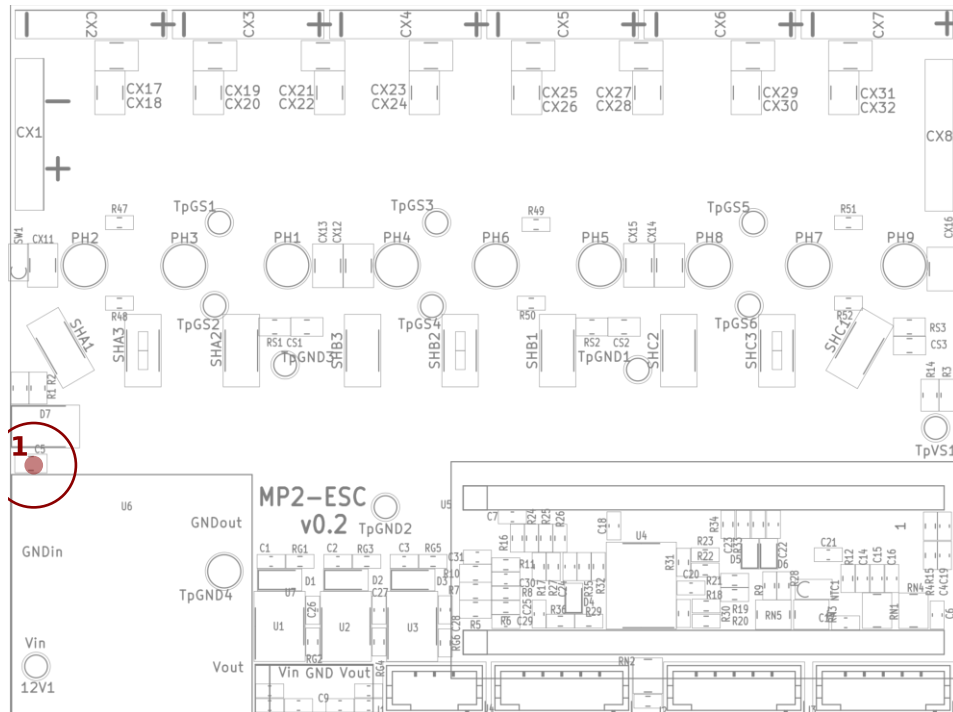
Footprint = C_0603_1608Metr / Value = 3.3nF / Nb = 2



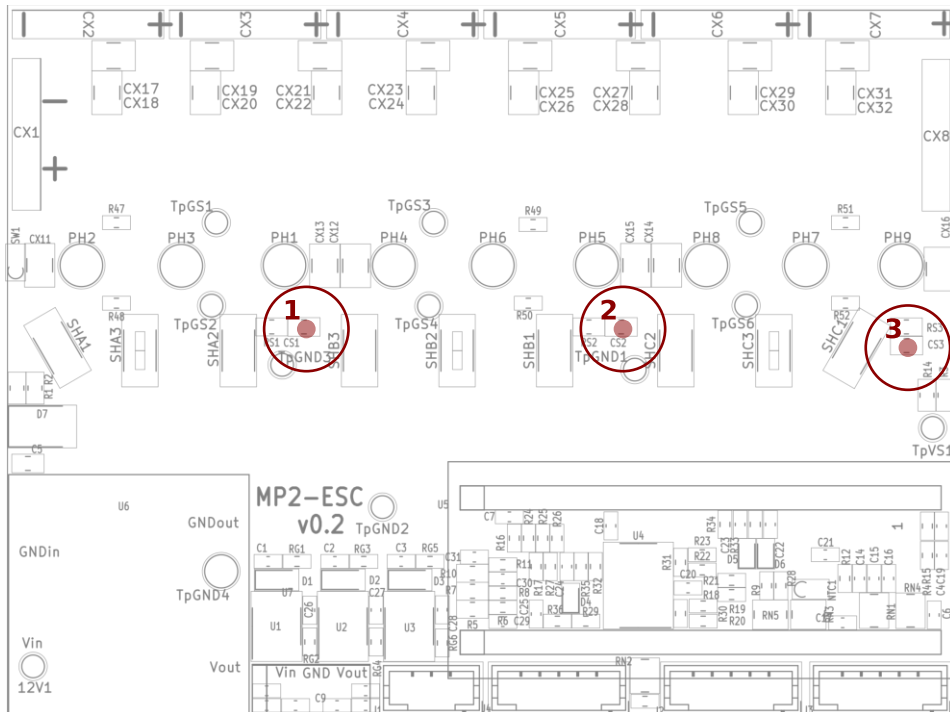
Footprint = C_0603_1608Metr / Value = 47pF / Nb = 3



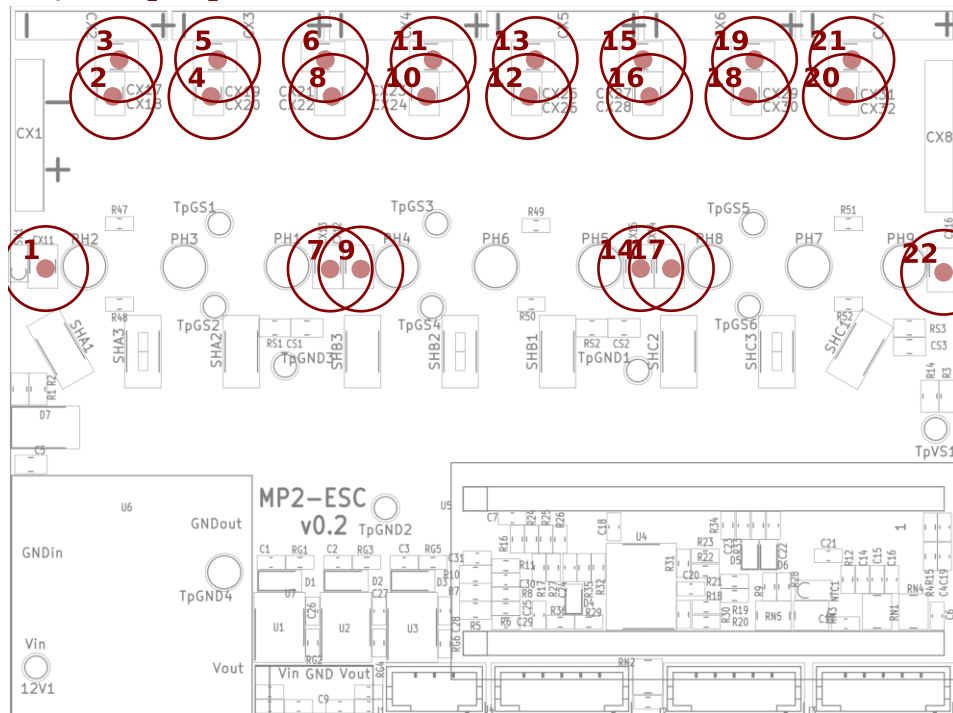
Footprint = C_0805_2012Metr / Value = 100nF / Nb = 1



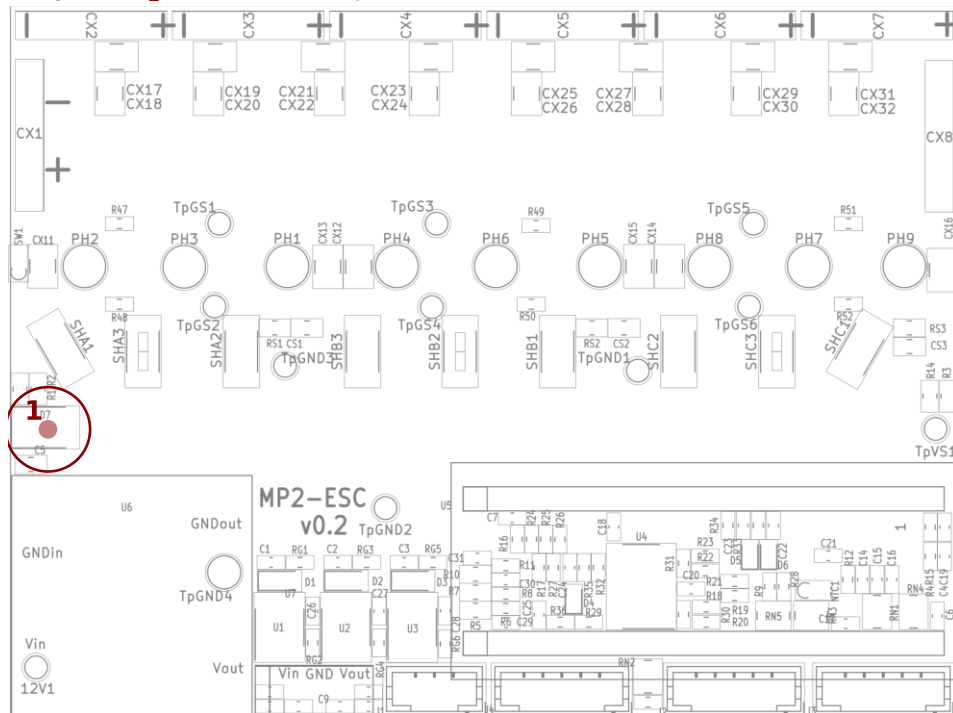
Footprint = C_0805_2012Metr / Value = C / Nb = 3



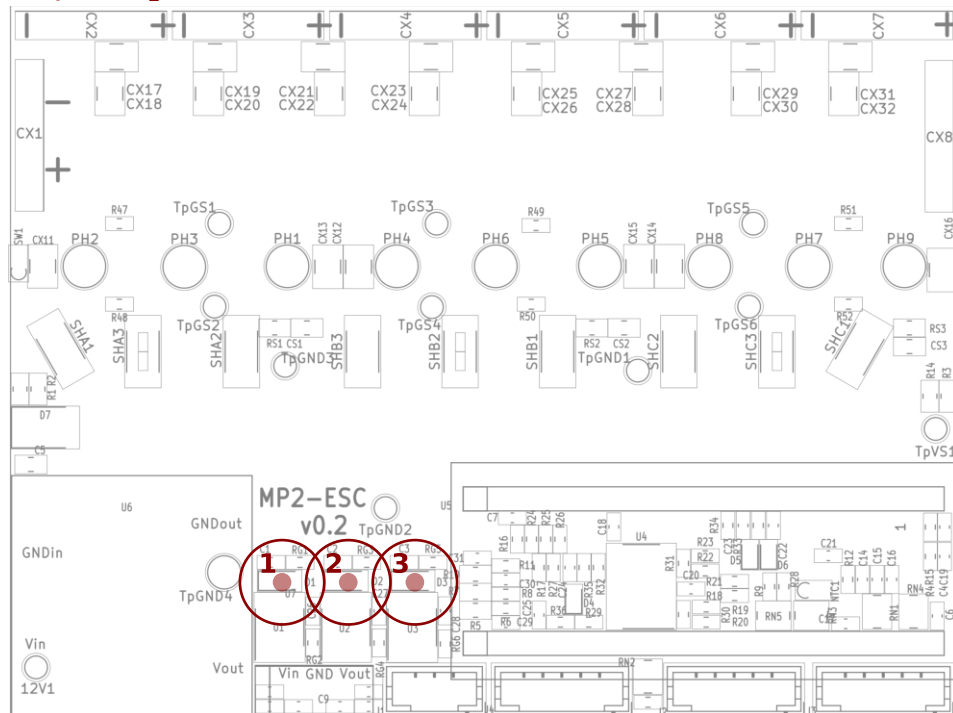
Footprint = $C_{1210_3225Metr} / \text{Value} = 4.7\mu F / Nb = 22$



Footprint = $D_SMB / \text{Value} = \text{SMDJ85A} / Nb = 1$

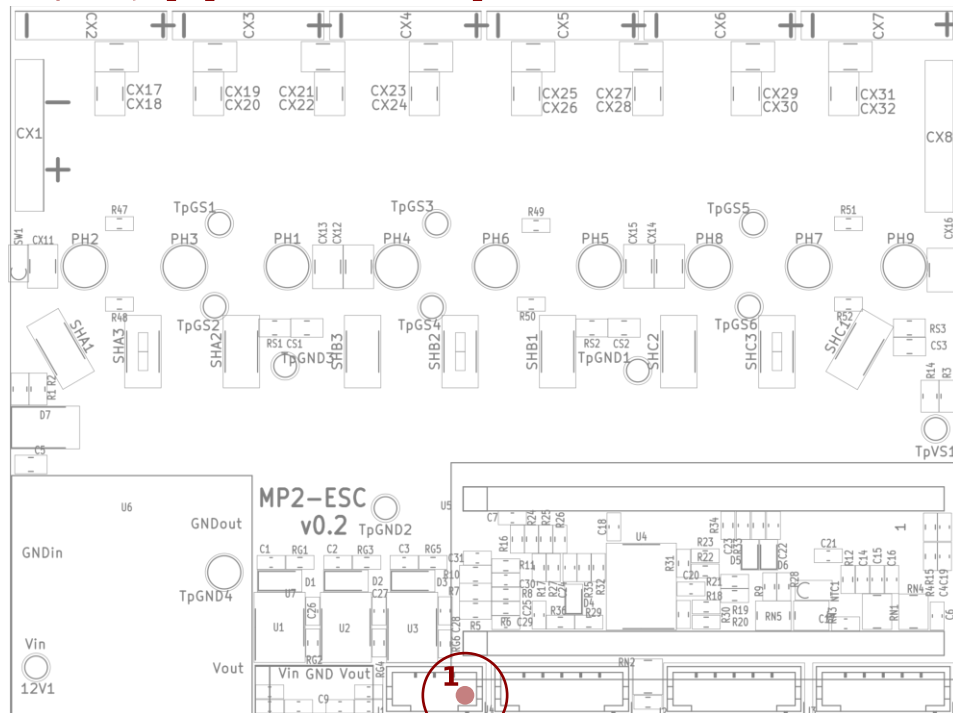


Footprint = D_SOD-123 / Value = SM4007 / Nb = 3

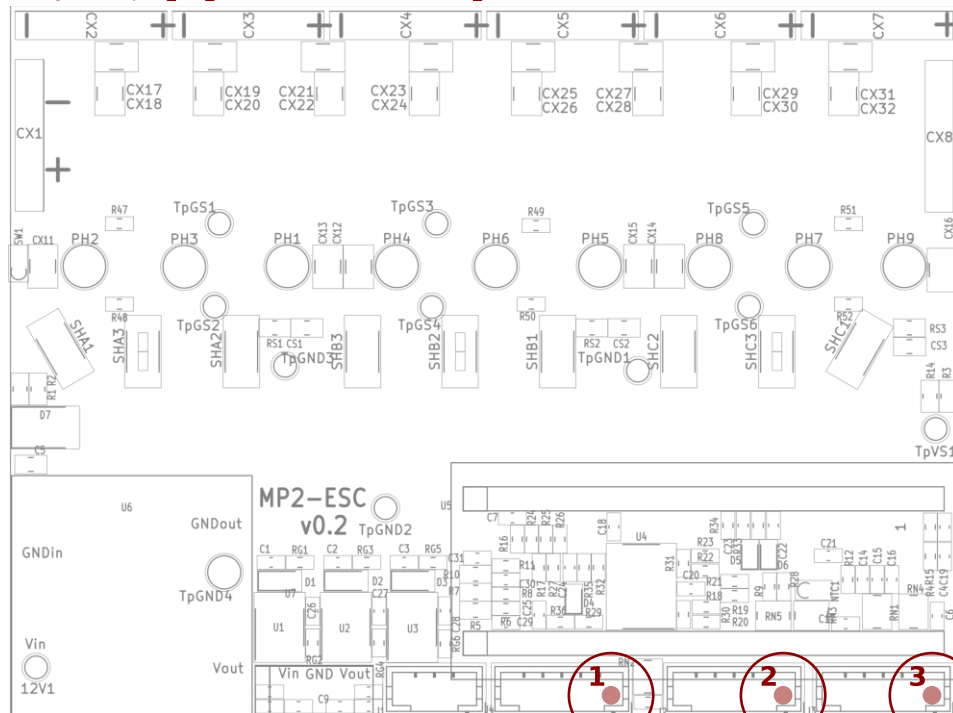


The image displays a complex PCB layout for a motor control system. The top section contains a power distribution network with components labeled CX1, CX17, CX18, CX19, CX20, CX21, CX22, CX23, CX24, CX25, CX26, CX27, CX28, CX29, CX30, CX31, CX32, and CX38. It also includes several power headers (PH1-9) and temperature sensors (TpGS1-6). The bottom section features an MP2-ESC v0.2 module, which is a motor controller. This module has its own set of components, including capacitors (C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100), resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100), and integrated circuits (U1, U2, U3, U4, U5, U6, U7, U8, U9, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20, U21, U22, U23, U24, U25, U26, U27, U28, U29, U30, U31, U32, U33, U34, U35, U36, U37, U38, U39, U40, U41, U42, U43, U44, U45, U46, U47, U48, U49, U50, U51, U52, U53, U54, U55, U56, U57, U58, U59, U60, U61, U62, U63, U64, U65, U66, U67, U68, U69, U70, U71, U72, U73, U74, U75, U76, U77, U78, U79, U80, U81, U82, U83, U84, U85, U86, U87, U88, U89, U90, U91, U92, U93, U94, U95, U96, U97, U98, U99, U100). Two red circles with numbers 1 and 23 highlight specific points of interest on the MP2-ESC module.

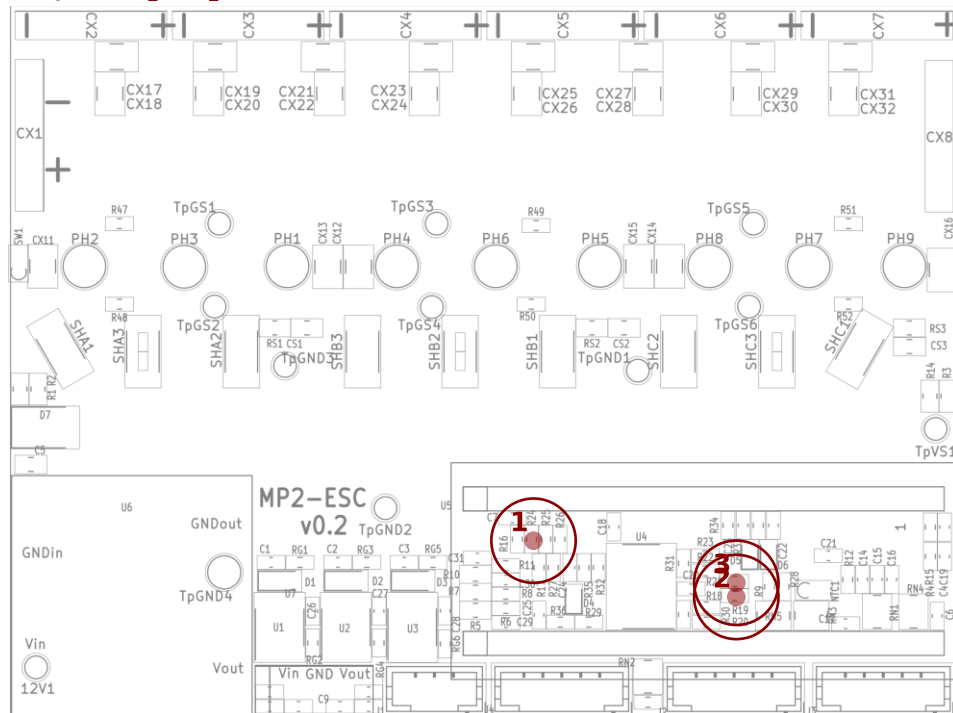
Footprint = JST_PH_B4B-PH-K / Value = Conn_01x04 / Nb = 1



Footprint = JST_PH_B6B-PH-K / Value = Conn_01x06 / Nb = 3

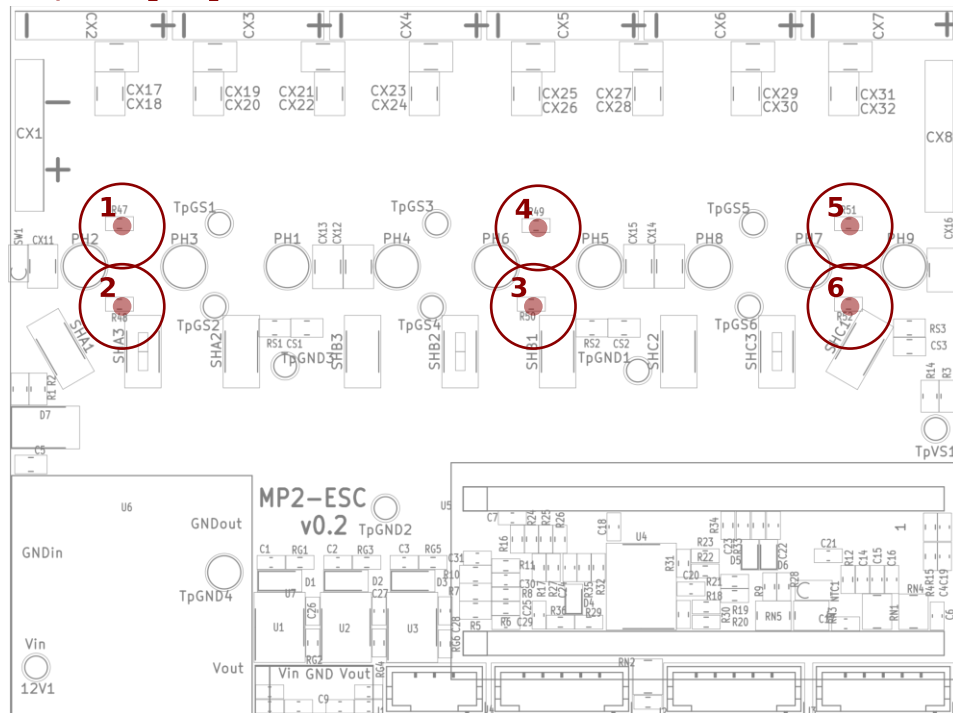


Footprint = $R_0603_1608\text{Metr} / \text{Value} = 100\text{k} / \text{Nb} = 3$



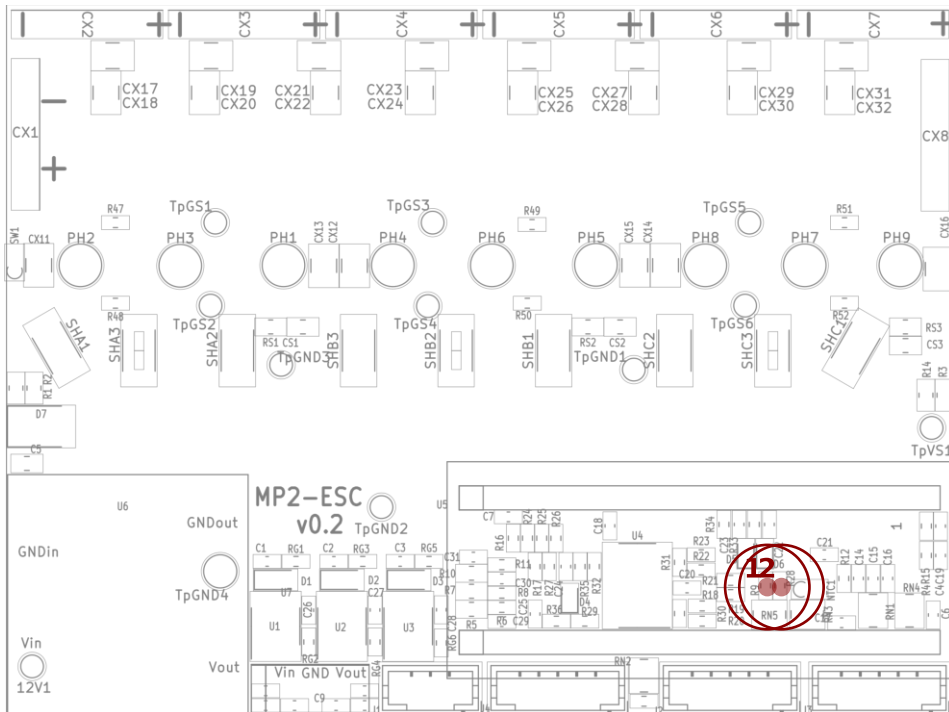
[illegible]

Footprint = R_0603_1608Metr / Value = 1M / Nb = 6

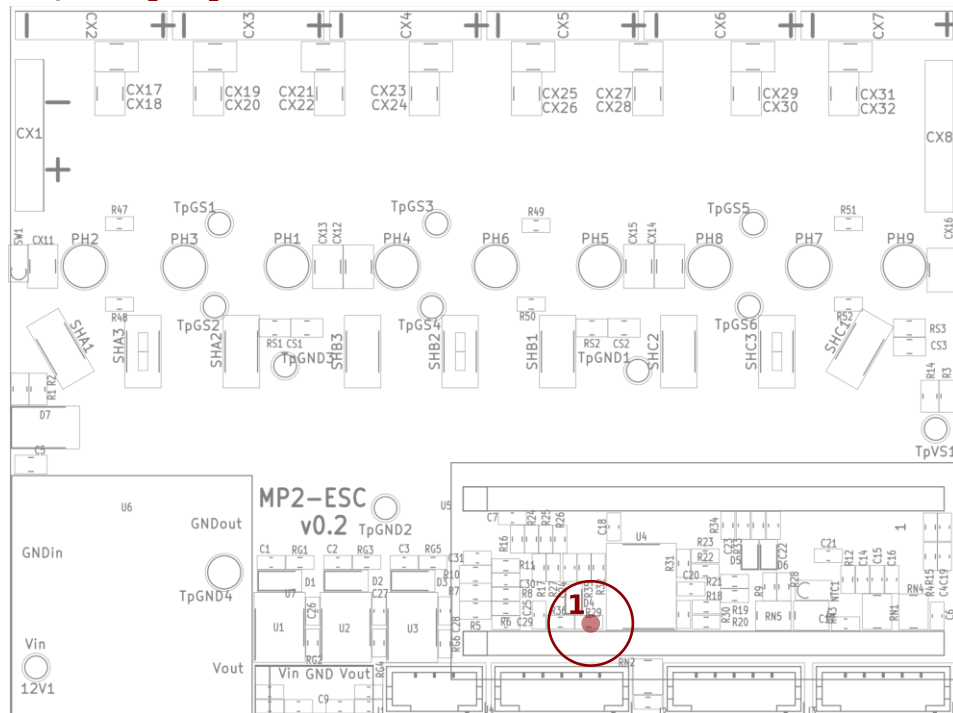


The image shows a detailed PCB layout for the MP2-ESC v0.2. The layout includes various components such as resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100), capacitors (C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100), and other components like diodes (D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D98, D99, D100), transistors (Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30, Q31, Q32, Q33, Q34, Q35, Q36, Q37, Q38, Q39, Q40, Q41, Q42, Q43, Q44, Q45, Q46, Q47, Q48, Q49, Q50, Q51, Q52, Q53, Q54, Q55, Q56, Q57, Q58, Q59, Q60, Q61, Q62, Q63, Q64, Q65, Q66, Q67, Q68, Q69, Q70, Q71, Q72, Q73, Q74, Q75, Q76, Q77, Q78, Q79, Q80, Q81, Q82, Q83, Q84, Q85, Q86, Q87, Q88, Q89, Q90, Q91, Q92, Q93, Q94, Q95, Q96, Q97, Q98, Q99, Q100), and integrated circuits (U1, U2, U3, U4, U5, U6, U7, U8, U9, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20, U21, U22, U23, U24, U25, U26, U27, U28, U29, U30, U31, U32, U33, U34, U35, U36, U37, U38, U39, U40, U41, U42, U43, U44, U45, U46, U47, U48, U49, U50, U51, U52, U53, U54, U55, U56, U57, U58, U59, U60, U61, U62, U63, U64, U65, U66, U67, U68, U69, U70, U71, U72, U73, U74, U75, U76, U77, U78, U79, U80, U81, U82, U83, U84, U85, U86, U87, U88, U89, U90, U91, U92, U93, U94, U95, U96, U97, U98, U99, U100). A red circle highlights a specific area on the PCB, likely indicating a point of interest or a specific component.

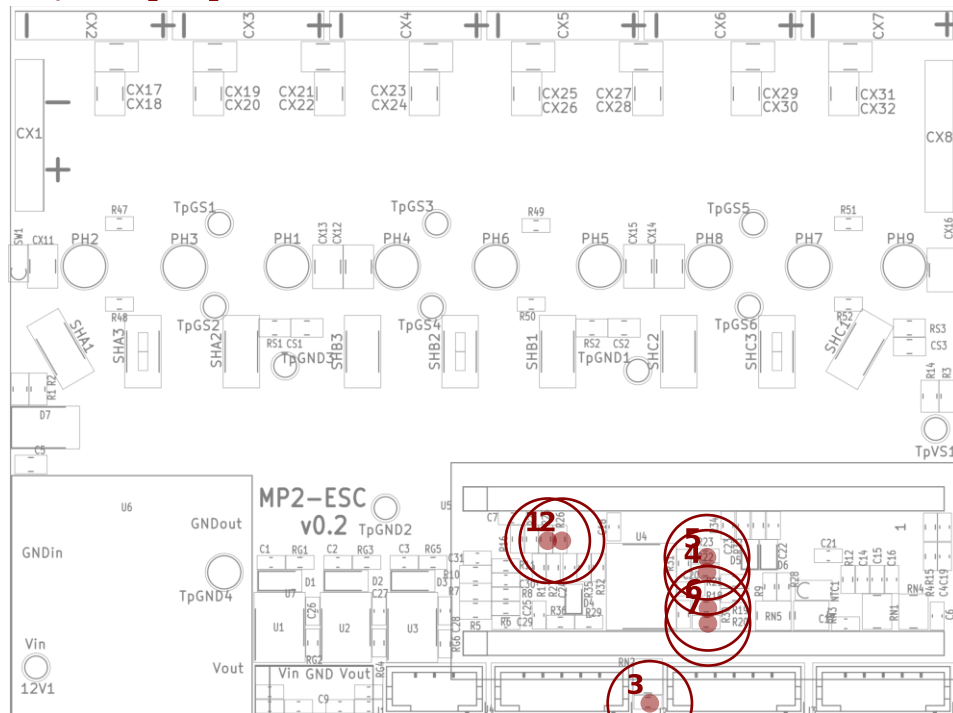
Footprint = R_0603_1608Metr / Value = 1k8 / Nb = 2



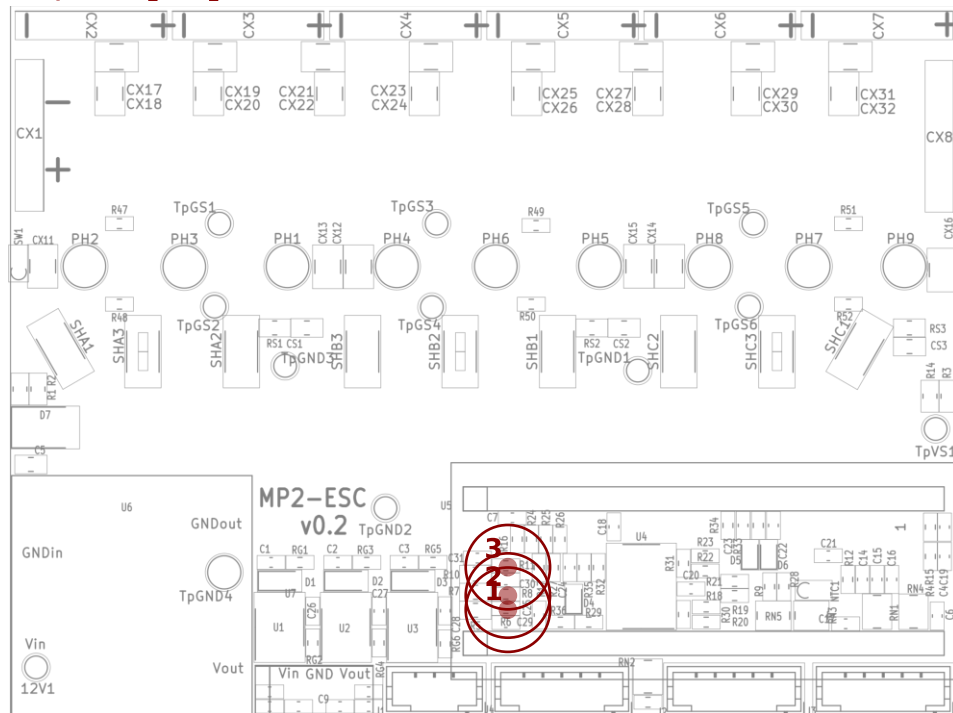
Footprint = R_0603_1608Metr / Value = 220k / Nb = 1



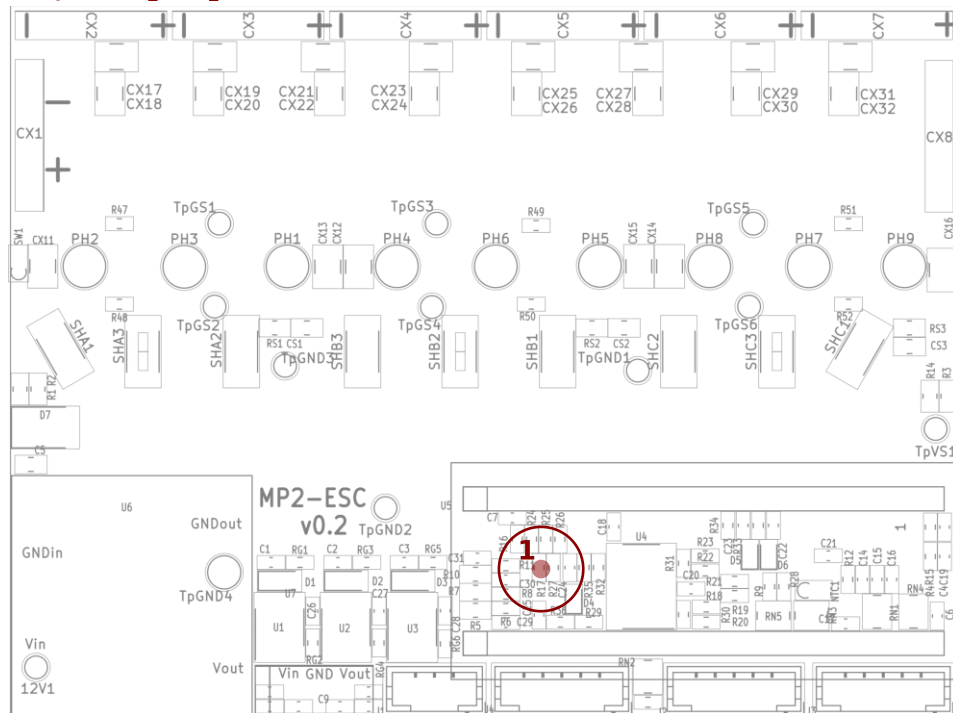
Footprint = R_0603_1608Metr / Value = 2k2 / Nb = 7



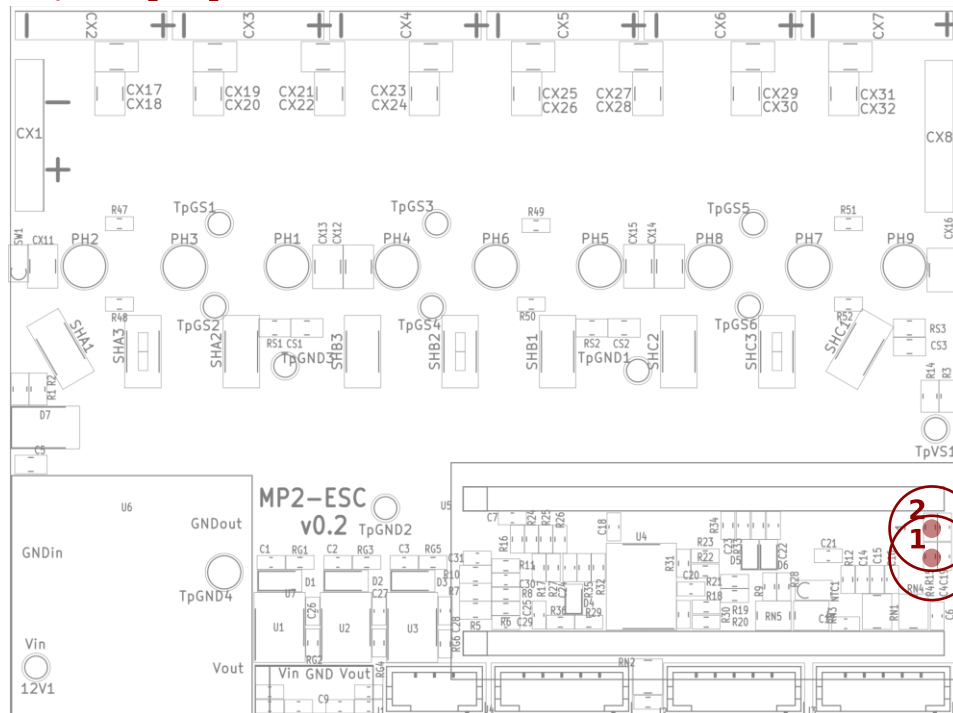
Footprint = R_0603_1608Metr / Value = 3k3 / Nb = 3



Footprint = R_0603_1608Metr / Value = 8k2 / Nb = 1

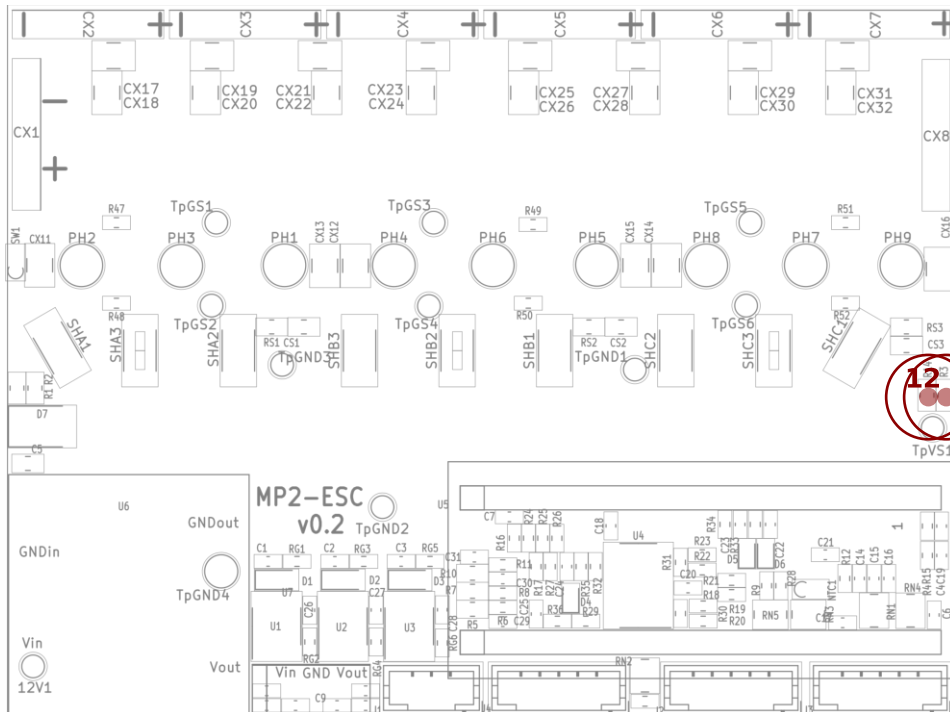


Footprint = R_0603_1608Metr / Value = 9k1 / Nb = 2

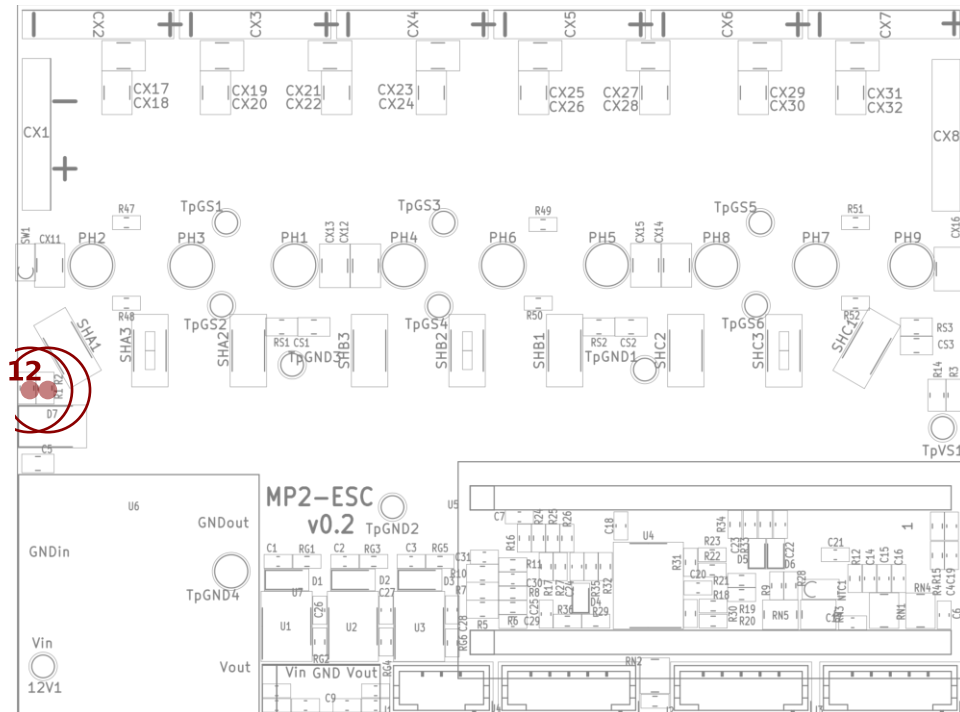


The image shows a detailed PCB layout for the MP2-ESC v0.2. The board is populated with numerous components, including capacitors (labeled C1 through C36), resistors (R1 through R35), and integrated circuits (U1 through U6). The layout is organized into sections, with components labeled with their respective values and footprints. A red circle highlights a specific area on the board, likely indicating a point of interest or a specific component. The board is labeled with various identifiers such as CX1, CX2, CX3, CX4, CX5, CX6, CX7, CX8, CX9, CX10, CX11, CX12, CX13, CX14, CX15, CX16, CX17, CX18, CX19, CX20, CX21, CX22, CX23, CX24, CX25, CX26, CX27, CX28, CX29, CX30, CX31, CX32, CX33, CX34, CX35, CX36, CX37, CX38, CX39, CX40, CX41, CX42, CX43, CX44, CX45, CX46, CX47, CX48, CX49, CX50, CX51, CX52, CX53, CX54, CX55, CX56, CX57, CX58, CX59, CX60, CX61, CX62, CX63, CX64, CX65, CX66, CX67, CX68, CX69, CX70, CX71, CX72, CX73, CX74, CX75, CX76, CX77, CX78, CX79, CX80, CX81, CX82, CX83, CX84, CX85, CX86, CX87, CX88, CX89, CX90, CX91, CX92, CX93, CX94, CX95, CX96, CX97, CX98, CX99, CX100, CX101, CX102, CX103, CX104, CX105, CX106, CX107, CX108, CX109, CX110, CX111, CX112, CX113, CX114, CX115, CX116, CX117, CX118, CX119, CX120, CX121, CX122, CX123, CX124, CX125, CX126, CX127, CX128, CX129, CX130, CX131, CX132, CX133, CX134, CX135, CX136, CX137, CX138, CX139, CX140, CX141, CX142, CX143, CX144, CX145, CX146, CX147, CX148, CX149, CX150, 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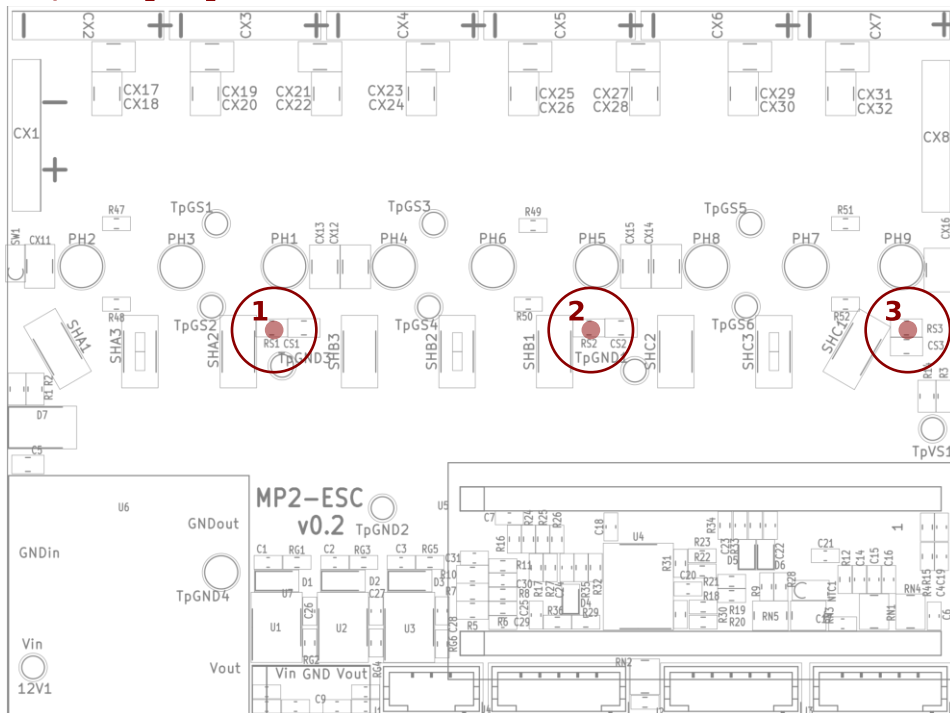
Footprint = R_0805_2012Metr / Value = 270k / Nb = 2



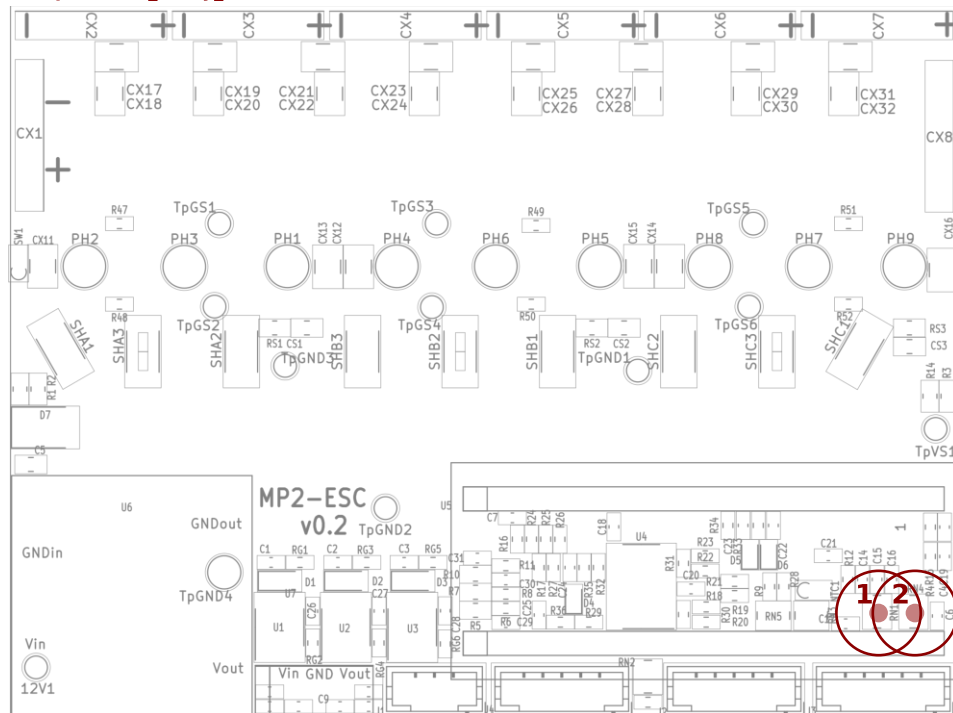
Footprint = R_0805_2012Metr / Value = 4R7 / Nb = 2



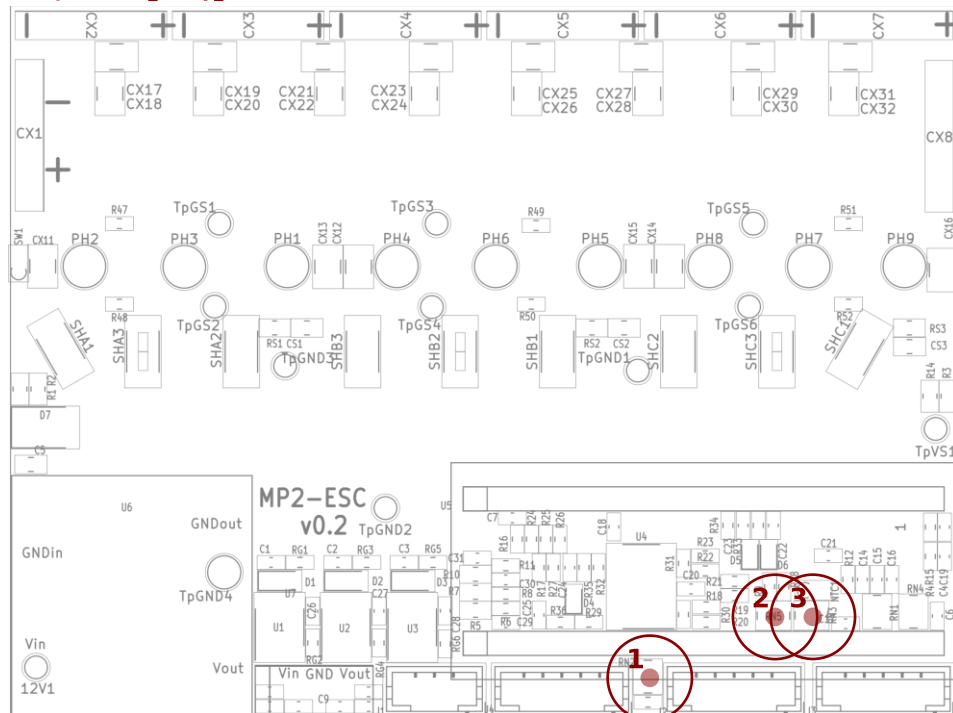
Footprint = R_0805_2012Metr / Value = R / Nb = 3



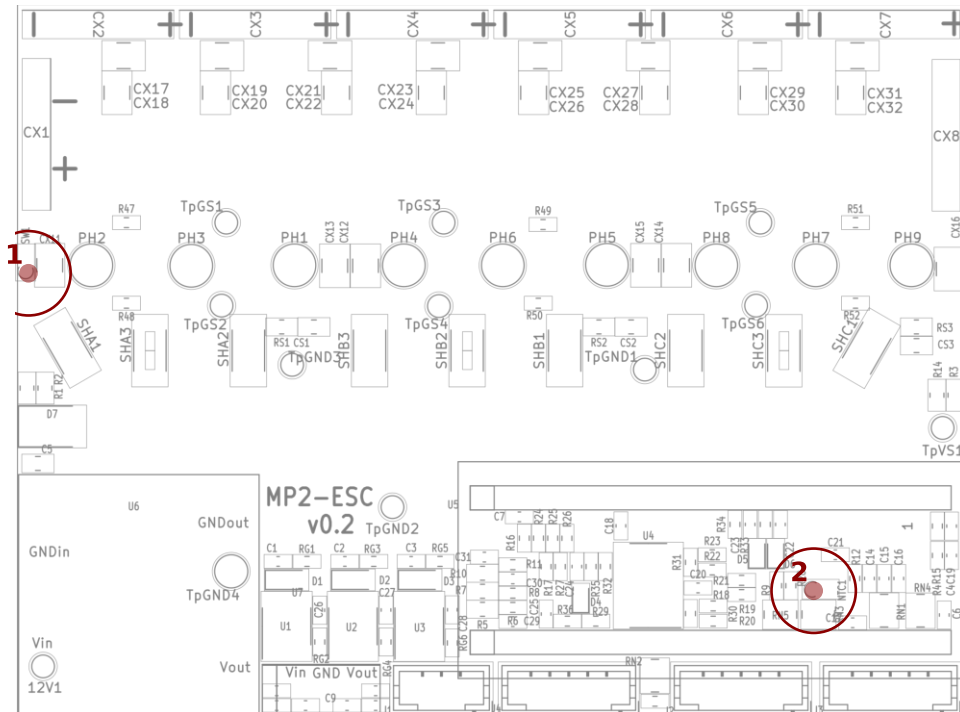
Footprint = $R_Array_Concave / Value = 10k / Nb = 2$



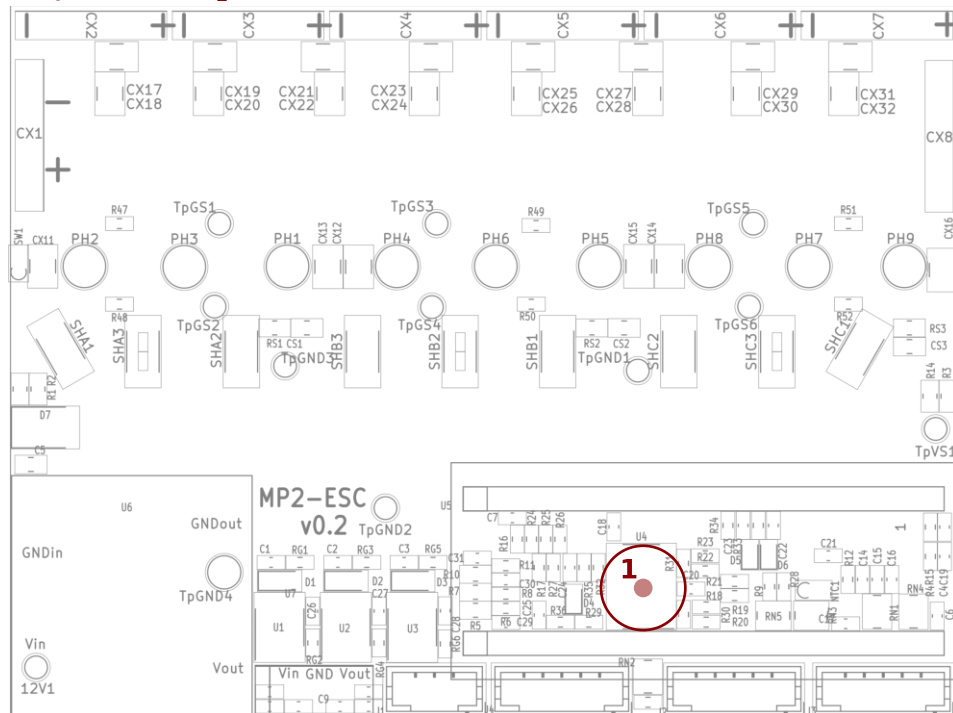
Footprint = $R_Array_Concave / Value = 470R / Nb = 3$



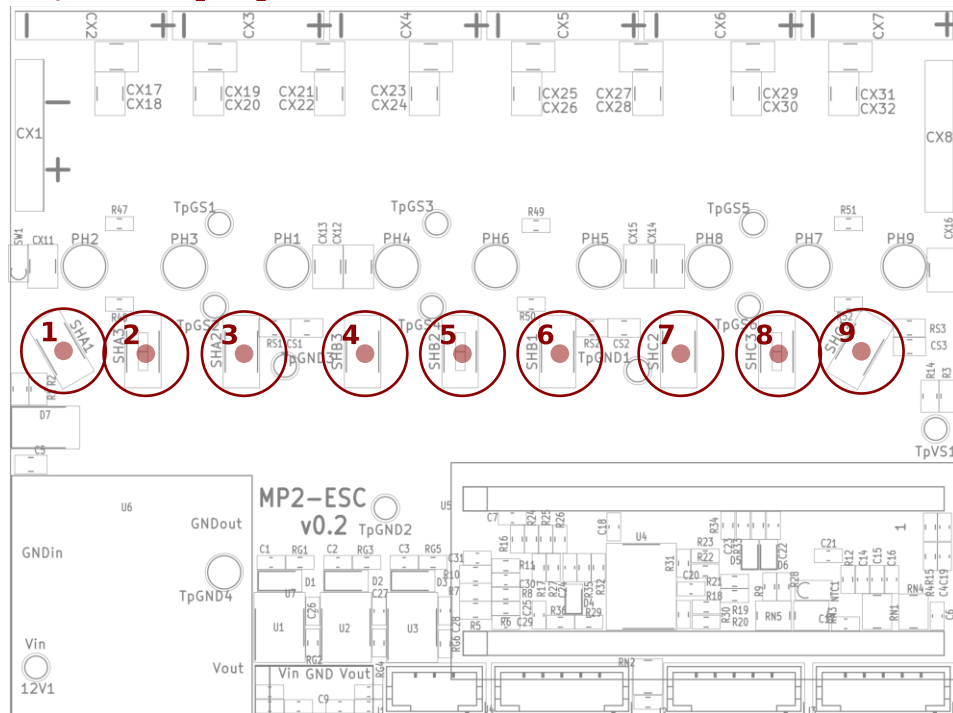
Footprint = R_Axial_DIN0204 / Value = Conn_01x02 / Nb = 2



Footprint = SOIC-14_3.9x8.7 / Value = NCS20034DR2G / Nb = 1



Footprint = Shunt_2512_6332 / Value = 0.5mR / Nb = 9



Footprint = TO220_replaceme / Value = TO220_replaceme / Nb = 1

