

VCA Matrix BOM - Rev04

| Qty | Value | Device | Package | Parts |
|-----|-------------|--------------|---------------|--|
| 2 | Header | M05PTH | 1X05 | J3, J4 |
| 3 | Header | M081X08 | 1X08 | JP1, JP3, JP5 |
| 45 | 100k | R-EU_0603 | R0603 | A:R8, A:R13, A:R19, A:R43, B:R8, B:R13, B:R19, B:R43, C:R8, C:R13, C:R19, C:R43, D:R8, D:R13, D:R19, D:R43, R1, R2, R3, R4, R7, R11, R12, R17, R18, R19, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R34, R35, R37, R38, R39, R40, R42, R49, R50 |
| 24 | 100n | C-EUC0603K | C0603K | A:C8, A:C9, A:C13, A:C14, B:C8, B:C9, B:C13, B:C14, C1, C2, C3, C4, C5, C6, C13, C14, C:C8, C:C9, C:C13, C:C14, D:C8, D:C9, D:C13, D:C14 |
| 4 | 100p | C-EUC0603K | C0603K | C7, C8, C9, C12 |
| 1 | 10k | R-EU_0603 | R0603 | R41 |
| 2 | 10k lin | R-TRIMM64W | RTRIM64W | CLAMP, OFFSET |
| 4 | 1k | R-EU_0603 | R0603 | R44, R45, R46, R47 |
| 8 | 2k7 | R-EU_0603 | R0603 | R33, R36, R48, R51, R52, R53, R54, R55 |
| 20 | 30k | R-EU_0603 | R0603 | A:R1, A:R4, A:R7, A:R16, B:R1, B:R4, B:R7, B:R16, C:R1, C:R4, C:R7, C:R16, D:R1, D:R4, D:R7, D:R16, R56, R57, R58, R59 |
| 2 | 4u7 | C-EUC0603K | C0603K | C10, C11 |
| 33 | 510R | R-EU_0603 | R0603 | A:R2, A:R5, A:R9, A:R11, A:R14, A:R17, A:R20, A:R23, B:R2, B:R5, B:R9, B:R11, B:R14, B:R17, B:R20, B:R23, C:R2, C:R5, C:R9, C:R11, C:R14, C:R17, C:R20, C:R23, D:R2, D:R5, D:R9, D:R11, D:R14, D:R17, D:R20, D:R23, R5 |
| 16 | 560p | C-EUC0603K | C0603K | A:C1, A:C3, A:C5, A:C6, B:C1, B:C3, B:C5, B:C6, C:C1, C:C3, C:C5, C:C6, D:C1, D:C3, D:C5, D:C6 |
| 4 | 5k1 | R-EU_0603 | R0603 | A:R22, B:R22, C:R22, D:R22 |
| 16 | 68k | R-EU_0603 | R0603 | A:R3, A:R10, A:R15, A:R21, B:R3, B:R10, B:R15, B:R21, C:R3, C:R10, C:R15, C:R21, D:R3, D:R10, D:R15, D:R21 |
| 9 | BAT54A | BAT54A | SOT23 | A:D2, A:D4, B:D2, B:D4, C:D2, C:D4, D3, D:D2, D:D4 |
| 8 | BC856 | BC856 | SOT23-BEC | Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q11 |
| 1 | BSS123 | BSS123 | SOT23 | Q10 |
| 1 | BSS84 | BSS84 | SOT23 | Q9 |
| 1 | LM4040B10 | LM4041C12DBZ | DBZ_R-PDSO-G3 | IC3 |
| 1 | M05X2PTH | M05X2PTH | AVR_ICSP | JP8 |
| 1 | PTC Fuse | PTCSMD | PTC-1206 | F1 |
| 7 | QUAD_OPAMPD | TL074 | SO14 | A:IC6, B:IC6, C:IC6, D:IC6, IC1, IC2, IC5 |
| 4 | SSM2164S | SSM2164S | SOIC16N | A:IC2, B:IC2, C:IC2, D:IC2 |
| 1 | TL072D | TL072D | SO08 | IC4 |