

Column 1 [ASM316 - Dual VCA Component Kit]

| Item | Description | Qty | Designator | Package |
|----------------------|---|-----|-----------------------------------|------------|
| CAPACITOR | | | | |
| 1 | Do Not Fit | 2 | C6, C7 | - |
| 2 | 100pF 5% Ceramic | 2 | C3, C5 | RAD-0.2N |
| 3 | 560pF 10% Ceramic | 2 | C2, C4 | RAD-0.2N |
| 4 | 100nF Ceramic | 5 | C8, C9, C10, C11, C12 | RAD-0.2N |
| CONNECTOR | | | | |
| 5 | 8-pin IC Socket 0.3inch | 1 | U1 | DIP-8 |
| 6 | Do Not Fit | 1 | J4 | - |
| 7 | 1x4 Pin 16mm Header | 1 | J3 | - |
| 8 | 16-pin IC Socket 0.3inch | 1 | U2 | DIP-16 |
| 9 | 2x3 20mm Header | 1 | S1 | - |
| DIODE | | | | |
| 10 | TL431 - 1.24 Adjustable Reference Diode | 1 | D1 | TO-92 |
| HARDWARE | | | | |
| 11 | WIRE - Flexistrip 8-way 50.8mm | 1 | HDR1 | - |
| LINEAR | | | | |
| 12 | LF353 - Dual JFET Opamp | 1 | U1 | DIP-8 |
| 13 | SSM2164 Quad VCA | 1 | U2 | DIP-16 |
| 14 | 79L05 -5V 100mA Fixed Voltage Regulator | 1 | U3 | TO-92 |
| INDUCTOR | | | | |
| 15 | Do Not Fit | 2 | L1, L2 | - |
| POTENTIOMETER | | | | |
| 16 | 100KB LIN - 18T Spline | 3 | P1, P2, P3 | ALPHA 16MM |
| RESISTOR | | | | |
| 17 | Wire Link | 5 | JP1_1, JP2_1, JP3_1, JP4_1, JP5_1 | TO FIT |
| | | | NB: Connect to centre pin [_2] | |

Column 2 [ASM316 - Dual VCA Component Kit]

| Item | Description | Qty | Designator | Package |
|------|---|-----|---|--------------|
| | CAPACITOR | | | |
| 1 | Do Not Fit | 1 | C10 | - |
| 2 | 100pF 5% Ceramic | 2 | C3, C5 | RAD-0.2N |
| 3 | 560pF 10% Ceramic | 2 | C2, C4 | RAD-0.2N |
| 4 | 100nF Ceramic | 3 | C8, C9, C12 | RAD-0.2N |
| 5 | 10uF 35V Electrolytic | 2 | C6, C7 NB: 5mm x 11mm | RB-D5.0-P2.0 |
| | | | | |
| | CONNECTOR | | | |
| 6 | 8-pin IC Socket 0.3inch | 1 | U1 | DIP-8 |
| 7 | 1x4 Pin 16mm Header | 1 | J3 | - |
| 8 | 2x3 20mm Header | 1 | S1 | - |
| 9 | IDC10 Box Header | 1 | J4 | 2.54MM |
| | | | | |
| | DIODE | | | |
| 10 | TL431 - 1.24 Adjustable Reference Diode | 1 | D1 | TO-92 |
| | | | | |
| | LINEAR | | | |
| 11 | LF353 - Dual JFET Opamp | 1 | U1 | DIP-8 |
| 12 | Do Not Fit | 1 | U2 | - |
| 13 | 79L05 -5V 100mA Fixed Voltage Regulator | 1 | U3 | TO-92 |
| | | | | |
| | INDUCTOR | | | |
| 14 | Ferrite Bead - 5A | 2 | L1, L2 | AXIAL-0.3 |
| | | | | |
| | POTENTIOMETER | | | |
| 15 | 100KB LIN - 18T Spline | 3 | P1, P2, P3 | ALPHA 16MM |
| | | | | |
| | RESISTOR | | | |
| 16 | Wire Link | 5 | JP1_3, JP2_3, JP3_3, JP4_3, JP5_3 NB: Connect to centre pin [_2] | TO FIT |
| | | | | |
| 17 | 330R 1% 0.5W Metal Film | 1 | R11 | AXIAL-0.4 |
| 18 | 499R 1% 0.5W Metal Film | 2 | R2, R9 | AXIAL-0.4 |
| | | | | |

