

# 257 clone BOM

by SAMODULAR

|               | Designator     | Quantity | Description | Mouser Part#              |
|---------------|----------------|----------|-------------|---------------------------|
| <b>Diodes</b> |                |          |             |                           |
| 1N457         | D1, D2, D3, D4 | 4        |             | <a href="#">512-1N457</a> |

|                  |                                                                                     |    |         |                              |
|------------------|-------------------------------------------------------------------------------------|----|---------|------------------------------|
| <b>Resistors</b> |                                                                                     |    |         |                              |
| 680R 1%          | R19, R56, R91                                                                       | 3  | 1% 1/4W | <a href="#">271-680-RC</a>   |
| 1K 1%            | R33, R43, R71, R81                                                                  | 4  | 1% 1/4W | <a href="#">271-1K-RC</a>    |
| 1.5K 1%          | R40, R77                                                                            | 2  | 1% 1/4W | <a href="#">271-1.5K-RC</a>  |
| 3.3K 1%          | R6                                                                                  | 1  | 1% 1/4W | <a href="#">271-3.3K-RC</a>  |
| 4.7K 1%          | R17, R34, R37, R59, R72, R73                                                        | 6  | 1% 1/4W | <a href="#">271-4.7K-RC</a>  |
| 6.8K 1%          | R12, R41, R78                                                                       | 3  | 1% 1/4W | <a href="#">271-6.8K-RC</a>  |
| 10K 1%           | R8, R11, R13, R15, R52, R54, R55, R92                                               | 8  | 1% 1/4W | <a href="#">271-10K-RC</a>   |
| 15K 1%           | R2, R4, R10, R16, R27, R28, R29, R50, R65, R66, R67                                 | 11 | 1% 1/4W | <a href="#">271-15K-RC</a>   |
| 20K 1%           | R31, R47, R74, R86                                                                  | 4  | 1% 1/4W | <a href="#">271-20K-RC</a>   |
| 22K 1%           | R18, R23, R60, R63                                                                  | 4  | 1% 1/4W | <a href="#">271-22K-RC</a>   |
| 33K 1%           | R1, R20, R38, R39, R57, R75, R76, R89, R90                                          | 9  | 1% 1/4W | <a href="#">271-33K-RC</a>   |
| 47K 1%           | R3                                                                                  | 1  | 1% 1/4W | <a href="#">271-47K-RC</a>   |
| 49.9K 1%         | R14, R24, R25, R30, R35, R36, R44, R48, R49, R62, R68, R69, R79, R80, R85, R87, R88 | 17 | 1% 1/4W | <a href="#">271-49.9K-RC</a> |
| 68K 1%           | R7, R9, R26, R32, R45, R51, R53, R64, R70, R83                                      | 10 | 1% 1/4W | <a href="#">271-68K-RC</a>   |
| 100K 1%          | R22, R46, R61, R84                                                                  | 4  | 1% 1/4W | <a href="#">271-100K-RC</a>  |
| 150K 1%          | R5                                                                                  | 1  | 1% 1/4W | <a href="#">271-150K-RC</a>  |
| 200K 1%          | R42, R82                                                                            | 2  | 1% 1/4W | <a href="#">271-200K-RC</a>  |
| 680K 1%          | R21, R58                                                                            | 2  | 1% 1/4W | <a href="#">271-680K-RC</a>  |

|                 |          |   |             |                               |
|-----------------|----------|---|-------------|-------------------------------|
| <b>Trimmers</b> |          |   |             |                               |
| 500K            | TR1, TR2 | 2 | Single turn | <a href="#">3362P-1-504LF</a> |

|                   |                                                             |    |                  |                                     |
|-------------------|-------------------------------------------------------------|----|------------------|-------------------------------------|
| <b>Capacitors</b> |                                                             |    |                  |                                     |
| 100pF ceramic     | C1, C10                                                     | 2  | Ceramic 5mm      | <a href="#">810-FA28C0G1H10100</a>  |
| 220pF ceramic     | C4, C9, C12, C17                                            | 4  | Ceramic 5mm      | <a href="#">810-FA28C0G1H22100</a>  |
| 470pF ceramic     | C3, C11                                                     | 2  | Ceramic 5mm      | <a href="#">810-FA28C0G1H47100</a>  |
| 1nF ceramic       | C5, C6, C7, C8, C13, C14, C15, C16                          | 8  | Ceramic 5mm      | <a href="#">810-FA28C0G1H10200</a>  |
| 1.5nF film        | C2                                                          | 1  | Film 5mm         | <a href="#">80-MMK5152J100J01L4</a> |
| 0.1uF ceramic     | C19, C22, C23, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11 | 14 | Ceramic 5mm      | <a href="#">810-FA28X7R1H10400</a>  |
| 15uF elec         | C18, C20, C21                                               | 3  | Electrolytic 2mm | <a href="#">647-UHE1J150MDD</a>     |

|            |                    |   |           |                              |
|------------|--------------------|---|-----------|------------------------------|
| <b>ICs</b> |                    |   |           |                              |
| 2N3904     | Q1, Q2             | 2 |           | <a href="#">512-2N3904TA</a> |
| LM339      | IC2                | 1 | 14pin DIP | <a href="#">595-LM339N</a>   |
| CD4066     | IC3, IC6           | 2 | 14pin DIP | <a href="#">595-CD4066BE</a> |
| TL074      | IC1, IC4, IC5, IC7 | 4 | 14pin DIP | <a href="#">595-TL074CN</a>  |

|                       |                                    |   |      |                                |
|-----------------------|------------------------------------|---|------|--------------------------------|
| <b>Potentiometers</b> |                                    |   |      |                                |
| 10K - 100K lin        | POT1, POT2, POT3, POT4, POT5, POT6 | 6 | 16mm | <a href="#">Alpha 16mm pot</a> |

|                            |                                         |    |                   |                                |
|----------------------------|-----------------------------------------|----|-------------------|--------------------------------|
| <b>Misc</b>                |                                         |    |                   |                                |
| LED red                    | LED1, LED2                              | 2  | 3mm               | <a href="#">630-HLMP-K101</a>  |
|                            | B1, B2, B3, B4, B5, B6, B7, B8, B9, B10 | 10 | Banana jack black | <a href="#">530-108-0903-1</a> |
| Knobs - small blue skirted |                                         | 6  | Rogans RB series  | <a href="#">SAMODULAR</a>      |
| Switch SPDT ON-ON          | SW1, SW2                                | 2  |                   | <a href="#">633-M201201</a>    |
| Switchcaps                 |                                         | 2  | black             | <a href="#">SAMODULAR</a>      |
| Standoffs                  |                                         | 4  | 15mm I/I          |                                |
| DIP sockets                |                                         | 7  | 14-pin            | <a href="#">SAMODULAR</a>      |
| Power connector            |                                         | 1  | Edgecard 10-pin   | <a href="#">SAMODULAR</a>      |