

**Component ID Description**

|     |                   |
|-----|-------------------|
| C1  | 1n feed through   |
| C2  | 1n feed through   |
| C3  | 1n feed through   |
| C9  | Not fitted        |
| C10 | 1n feed through   |
| C11 | 1n feed through   |
| C12 | 1n feed through   |
| C13 | Not fitted        |
| C14 | 1n feed through   |
| C15 | 1n feed through   |
| C16 | 1n feed through   |
| C17 | 1n feed through   |
| C18 | 1n feed through   |
| C19 | 1n feed through   |
| C21 | 10p ceramic 1206  |
| C22 | 220uF 16V axial   |
| C23 | 220uF 16V axial   |
| C24 | 10uF 16V Radial   |
| C25 | 33uF 16V Radial   |
| C26 | 220uF 16V axial   |
| C27 | 47uF 16V Radial   |
| C28 | Not fitted        |
| C31 | 220n ceramic 1206 |
| C32 | 220n ceramic 1206 |
| C33 | 220n ceramic 1206 |
| C34 | 220n ceramic 1206 |
| C35 | 1n ceramic 1206   |
| C36 | 1n ceramic 1206   |
| C37 | 10n ceramic 1206  |
| C38 | 10n ceramic 1206  |
| C39 | 10n ceramic 1206  |
| C40 | 10n ceramic 1206  |
| C41 | 10n ceramic 1206  |
| C42 | 10n ceramic 1206  |
| C43 | 10n ceramic 0.1"  |
| C44 | 10n ceramic 1206  |
| C45 | 22n ceramic 1206  |
| C46 | 100n ceramic 1206 |
| C47 | Not fitted        |
| C48 | 100n ceramic 1206 |
| C49 | 100n ceramic 1206 |
| C50 | 100n ceramic 1206 |
| C51 | 100n ceramic 1206 |
| C52 | 100n ceramic 1206 |
| C53 | 100n ceramic 1206 |
| C54 | 100n ceramic 1206 |
| C55 | 100n ceramic 1206 |
| C56 | 100n ceramic 1206 |
| C57 | 100n ceramic 1206 |
| C58 | 100n ceramic 1206 |
| C59 | Not fitted        |
| C60 | 100n ceramic 1206 |
| C61 | 10n ceramic 1206  |
| C62 | 100n ceramic 1206 |

|      |  |
|------|--|
| C63  | 100n ceramic 1206                          |
| C64  | 100n ceramic 1206                          |
| C65  | 100n ceramic 1206                          |
| C70  | 10n ceramic 1206                           |
| C71  | 10n ceramic 1206                           |
| C74  | 100n ceramic 1206                          |
| C1X  | 100n ceramic 1206                          |
| C2X  | 100n ceramic 1206                          |
| C3X  | 100n ceramic 1206                          |
| C4X  | 100n ceramic 1206                          |
| C5X  | 100n ceramic 1206                          |
| C6X  | 100n ceramic 1206                          |
| C7X  | 100n ceramic 1206                          |
| C8X  | 100n ceramic 1206                          |
| C9X  | 100n ceramic 1206                          |
| C10X | 100n ceramic 1206                          |
| C11X | 10n ceramic 1206                           |
| C12X | 10n ceramic 1206                           |
| C13X | 220p                                       |
| C14X | 220p                                       |
| C15X | 100p                                       |
| C16X | 100n ceramic 1206                          |
| C17X | 4u7 Tant SMD or submin radial electrolytic |
| C18X | 4u7 Tant SMD or submin radial electrolytic |
| C19X | 1uF 16V submin radial                      |
| C20X | 47p ceramic 1206                           |
| C21X | 47p ceramic 1206                           |
| C22X | Not fitted                                 |
| C23X | 1n 0.1" ceramic                            |
| C24X | 1n 0.1" ceramic                            |
| VC2  | 2-30pF polystyrene trimmer                 |
| VC3  | 6-60pF polystyrene trimmer                 |
| VC4  | 6-60pF polystyrene trimmer                 |
| R1   | 47R  |
| R2   | 100R                                       |
| R3   | 220R                                       |
| R4   | 2k2  |
| R5   | 560R                                       |
| R6   | 560R                                       |
| R7   | 22k  |
| R10  | 2k2  |
| R11  | 2k7  |
| R12  | 22k  |
| R13  | 3k3  |
| R14  | 3k3  |
| R15  | 3k3  |
| R16  | 4k7  |
| R17  | 4k7  |
| R18  | 4k7  |
| R19  | 4k7  |
| R20  | 5k6  |
| R21  | 10k  |

|     |         |
|-----|---------|
| R22 | 10k     |
| R23 | 10k     |
| R24 | 10k     |
| R25 | 10k     |
| R26 | 10k     |
| R27 | 10k     |
| R28 | 10k     |
| R29 | 10k     |
| R30 | 10k     |
| R31 | 10k     |
| R32 | 8k2     |
| R33 | 47k     |
| R34 | 22k     |
| R37 | 0R link |
| R38 | 120k    |
| R62 | 100k    |
| R63 | 10k     |

|      |                             |
|------|-----------------------------|
| R1X  | 100R                        |
| R2X  | 33k                         |
| R3X  | 100k                        |
| R4X  | 1k                          |
| R5X  | 68R                         |
| R6X  | 510R                        |
| R7X  | 510R                        |
| R8X  | 10k                         |
| R9X  | 2k2                         |
| R10X | 2k2                         |
| R11X | 2k2                         |
| R12X | 2k2                         |
| R13X | 2k2                         |
| R14X | 22k miniature preset        |
| R15X | 15k see set-up instructions |
| R16X | 10k                         |
| R17X | 82R                         |
| R18X | 82R                         |
| R19X | 100R                        |

All fixed resistors are 1206 package

|     |                 |
|-----|-----------------|
| D5  | 1N4148          |
| D6  | 1N4148          |
| D7  | BA244 or 1N4148 |
| D8  | BA244 or 1N4148 |
| D9  | BA244 or 1N4148 |
| D10 | BA244 or 1N4148 |

|     |           |
|-----|-----------|
| ZD1 | 4V7 400mW |
|-----|-----------|

|      |        |
|------|--------|
| TR1  | J310   |
| TR3  | 2N3904 |
| TR4  | 2N3904 |
| TR6  | 2N3906 |
| TR12 | 2N3904 |

|        |   |
|--------|---|
| TR1X   | BC548   |
| IC1    | 78L05   |
| IC2    | AD603AQ   |
| IC3    | FST3125   |
| IC4    | FST3125   |
| IC6    | TL072   |
| IC7    | TL072   |
| IC1X   | 78L05   |
| IC2X   | 74AC86 SMT  |
| IC3X   | FST3125 or FST3126                                |
| L1     | 22T of 0.25 ECW on T50-2                          |
| RFC1   | 1mH   |
| RFC2   | 1mH   |
| RFC3   | not fitted  |
| RFC4   | 100uH   |
| RFC5   | 100uH   |
| RFC6   | 1mH   |
| RFC7   | 1mH   |
| RFC8   |   |
| RFC9   | 100uH   |
| RFC10  | 100uH   |
| RFC11  |   |
| RFC12  | 330uH   |
| T1     | 29+7T of 0.25mm ECW on T37-2                      |
| T2     | 10+3T of 0.25mm ECW on F37-43                     |
| T1X    | 6 Trifilar turns of 0.125mm ECW on BN43-2402 core |
| RV1    | 100k preset                                       |
| RV2    | 100k preset                                       |
| RV5    | 10k   |
| FL1    | Crystal filter                                    |
| Link 1 | Wire link over IC4X                               |

## Notes



See setup instructions for adjustment - initially set to MINIMUM resistance

Suitable for 10M4D Filter

Suitable for 10M4D Filter

See IF board modification document for winding details

It has been assumed a 10M4D has been used