

## Z3660 without FPGA BOM

| Identifier  | Package  | Quant. | Value               | Mouser / Comment     |
|---|--|--------|---------------------|----------------------|
| U10   | PGA226   | 1      | MC68060             | 68060 socket         |
| C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,<br>C12,C13,C14,C15,C16,C17,C18,C19,<br>C20,C26,C27,C28,C29,C30,C31,C32,<br>C33,C34,C35,C42,C43,C44,C45,C46,<br>C47,C48,C49,C50,C51,C52,C53,C54,<br>C55,C102A1,C102C1, C102D1,C102F1 | C_0805_2012Metric_Pad1.18x1.45mm_HandSolder    | 48     | 100nF               | 187-CL21B104KACNNNC  |
| U15   | TQFP-144_20x20mm_P0.5mm                        | 1      | XC95144XL-TQ144     | 217-5144XL-10TQG144C |
| RN1,RN2,RN7,RN8,RN9,RN10,RN11,<br>RN12  | R_Array_Convex_8x0602                          | 8      | 1k                  | 667-EXB-2HV102JV     |
| J2  | IDC-Header_2x07_P2.54mm_Vertical               | 1      | Conn_02x07_Odd_Even |                      |
| C22,C23,C24,C39,C102B1,C102E1   | C_Elec_5x5.4                                   | 6      | 22uF                | 80-EEV226M025S9DAA   |
| U17   | SOIC-20W_7.5x12.8mm_P1.27mm                    | 1      | 74FCT244            | 595-CY74FCT244CTSOC  |
| VR1   | TO-220-3_Vertical                              | 1      | LT1084-3.3          | 926-LM1084IT-3.3NOPB |
| RN3,RN4,RN5,RN6   | R_Array_Convex_8x0602                          | 4      | 22                  | 667-EXB-2HV220JV     |
| J1  | PinHeader_1x03_P2.54mm_Vertical                | 1      | Jumper_3_Open       |                      |
| CN3   | xIP-200  | 1      | KEL-8817-200-170S-F | CPU Connector        |
| U1,U2,U3,U4,U5,U6,U7,U8,U9  | SOIC-24W_7.5x15.4mm_P1.27mm                    | 9      | 74FCT543A           | 595-CY74FCT543ATSOC  |
| U11   | SOIC-14_3.9x8.7mm_P1.27mm                      | 1      | 7407                | 595-SN7407DR         |
| R1,R2,R3,R4,R5,R8,R11,R37   | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 8      | 1k                  |                      |
| FB1   | Fuse_1806_4516Metric_Pad1.57x1.80mm_HandSolder | 1      | Ferrite_Bead_Small  | 623-2518068007Y3     |
| U12   | Oscillator_DIP-14                              | 1      | TCXO-14             | 774-MXO45T-3C-50.0   |
| JP1   | PinHeader_1x02_P2.54mm_Vertical                | 1      | Jumper_NO_Small     | 5V FAN               |
| R23   | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 1      | 10k                 |                      |
| R7,R26,R27  | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 3      | 4k7                 |                      |
| U14   | SOT-89-3_Handsoldering                         | 1      | RH5VA43A            | 579-TC54VN4302EMB713 |
| R25,R8A1,R100A1   | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 3      | 22                  |                      |
| R13   | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 1      | 0                   |                      |
| R9,R10  | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 2      | 33                  |                      |
| R34   | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 1      | 100                 |                      |

|                 |   |   |         |  |
|-----------------|---|---|---------|--|
| C36,C37,C40,C41 | C_1206_3216Metric_Pad1.33x1.80mm_HandSolder   | 4 | 10uF    |  |
| D5              | LED_1206_3216Metric_Pad1.42x1.75mm_HandSolder | 1 | Led red |  |

|   |  |    |                     |                      |
|---|--|----|---------------------|----------------------|
| NO CONNECTED PARTS  |  |    |                     | NO CONNECTED PARTS   |
| C21,C25,C38   | C_0805_2012Metric_Pad1.18x1.45mm_HandSolder    | 3  | 100nF               |                      |
| CN2,CN1   | PinHeader_2x40_P1.27mm_Vertical                | 2  | Conn_02x40_Odd_Even | 649-200211110080T8LF |
| RN13  | R_Array_Convex_8x0602                          | 1  | 1k                  |                      |
| R30,R15,R16   | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 3  | 10k                 |                      |
| R12,R17   | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 2  | 1k                  |                      |
| U18   | SOIC-8_3.9x4.9mm_P1.27mm                       | 1  | DS1000Z             |                      |
| JP4,JP2   | PinHeader_1x02_P2.54mm_Vertical                | 2  | Jumper_NO_Small     |                      |
| R19,R20,R32,R33,R35                                       | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 5  | R_Small             |                      |
| R6  | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 1  | 4k7                 |                      |
| C400A1  | C_1812_4532Metric_Pad1.57x3.40mm_HandSolder    | 1  | C_Small             |                      |
| R100B1,R8B1,R24,R31                                       | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 4  | 22                  |                      |
| R100C1,R101A1,R101B1,R101C1,R101D1,R101E1,R28,R14,R21,R22 | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 10 | 0                   |                      |
| X1  | Oscillator_SMD_IQD_IQXO70-4Pin_7.5x5.0mm       | 1  | IQXO-70             |                      |
| R29   | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 1  | 33.2k               |                      |
| U16   | SOT-23-6                                       | 1  | TPS565208           |                      |
| L1  | L_Vishay_IHLP-2020                             | 1  | 2.2uH 9mOhm         |                      |
| D1,D2,D3  | D_SMA  | 3  | US1A                |                      |
| JP5,JP6,JP7,JP8,JP9,JP10                                  | SolderJumper-2_P1.3mm_Open_RoundedPad1.0x1.5mm | 6  | SolderJumper_2_Open |                      |
| R18   | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 1  | 330                 |                      |
| U13   | SOIC-8_3.9x4.9mm_P1.27mm                       | 1  | MCP6N11             |                      |
| JP3   | Jumper-3_P1.3mm_Open_RoundedPad1.0x1.5mm_Numbe | 1  | SolderJumper_3_Open |                      |
| D4  | LED_1206_3216Metric_Pad1.42x1.75mm_HandSolder  | 1  | Green               |                      |
| R36   | R_0805_2012Metric_Pad1.20x1.40mm_HandSolder    | 1  | 1k                  |                      |