Source:   W:\Wolfgang\My Projects\P42-VGA\Design\ver3\P42-VGA_ver3.sch
Date:     ####
Tool:     Eeschema (5.1.7)-1
Generator C:\Program Files\KiCad\bin\scripting\plugins/bom_csv_grouped_by_value.py
Componer   70

Collated Components:

25

| Item | Qty | Total | Reference | Value | BOM Description | BOM2 | DNP | Mfr1 | Mfr1PN | Mfr2 | Mfr2PN | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | | R14, R15, I | 0R | Res, 0R0, 1A, 0603 | | DNP | | | | | |
| | 2 | 50 | R20, R27 | 1K6 | Res, 1K6, 1%, 0.1W, 0603 | | | | | | | |
| | 1 | 25 | R22 | 2K2 | Res, 2K2, 1%, 0.1W, 0603 | | | | | | | |
| | 1 | 25 | R28 | 1K | Res, 1K0, 1%, 0.1W, 0603 | | | | | | | |
| | 1 | | U2 | AT24CS64-SSHM | IC, EEPROM, I2C, 64 KBit, SOIC-8 | | DNP | | | | | |
| | 3 | | U6, U7, U9 | FIN1002 | IC, Receiver, LVDS, SOT23-5 | | DNP | Fairchild | FIN1002M5X | | | |
| | 1 | | U8 | 74LVC2G08 | IC, Logic Gate, 2-in AND, 1.8 - 5.5V, SSOP-8 | | DNP | TI | SN74LVC2G08DCU | | | |
| | 12 | 300 | C1, C4, C5, | 100nF | Cap, 100nF, +-10%, X7R, 0603 | | | generic | na | | | |
| | 2 | 50 | C2, C3 | 30pF | Cap Cer, 30pF, +-10%, NP0, 0603 | | | generic | na | | | |
| | 2 | 50 | C8, C9 | 10uF | Cap, 10uF, 16V, +-10%, X7R, 0603 | | | generic | na | | | |
| | 6 | 150 | D1, D2, D3 | CG0603MLA | Diode TVS 8V 30A 0603 | | | Bourns | CG0603MLA-5.5ME | | | |
| | 1 | 25 | D7 | BAT54GW | DIODE SCHOTTKY 30V 200MA SOD123 | | | Nexperia | BAT54GW | Diodes Inc | 1N5819HW-7-F | |
| | 1 | 25 | J1 | VGA | Conn, DSUB HD, RCPT, 15POS, R/A, TH | | | Assmann | AHDF15A-KG-TAXB | | | |
| | 1 | 25 | J2 | ICSP | Conn, Header Female, 3x2pin, SMD | | | Sullins | NPTC032KFMS-RC | | | |
| | 1 | 25 | J3 | Video0 | Conn, RCA, TH | | | CUI | RCJ-014 | | | |
| | 13 | 325 | R1, R2, R3, | 22R0 | Res, 22R0, 1%, 0.1W, 0603 | | | | | | | |
| | 1 | 25 | R10 | 0R | Res, 0R0, 1A, 0603 | | | | | | | |
| | 1 | 25 | R7 | 1 MEG | Res, 1MEG, 1%, 0.125W, 0603 | | | | | | | |
| | 6 | 150 | R8, R9, R1 | 10K0 | Res, 10K0, 1%, 0.1W, 0603 | | | | | | | |
| | 1 | 25 | SH1 | Adafruit_FeatherWing | Conn, Header Female, FeatherWing16 + 12pin, TH | | | | | | | |
| | 1 | 25 | SH2 | ARDUINO_as_UNO | Conn, Header Arduino Uno, 10 + 2x8 +6 pin, TH | | | | | | | |
| | 1 | 25 | U1 | VS23S040D | IC, Video Display Controller, 4 output, 4 MBit, BGA-24 | | | VLSI | VS23S040D-B | | | |
| | 1 | 25 | U3 | AT25_FLASH | IC, Flash, SPI, 16 MBit, SOIC-8 | | DNP | Adesto | AT25SF161-SSHD-T | | | |
| | 1 | 25 | U4 | TXS0108 | IC, 8x Line Driver, Bidir, TSSOP-20 | | | TI | TXB0108EPW | | | |
| | 1 | 25 | U5 | NCP1117ST33 | IC, Voltage Regulator, Linear, 3.3V, 1A, SOT-223 | | | ON Semi | NCP1117ST33T3G | | | |
| | 1 | 25 | Y1 | XTAL | CRYSTAL 3.579545MHZ 18PF NTSC HC-49-SMD | CRYSTAL 4.433619MH | | Abracon | ABLS-3.579545MHZ-D-4-T | Abracon | ABLS-4.433619MHZ-B4-T | PAL |