output

| Item | Qty | Reference(s) | Value | LibPart |
|---|---|---|---|---|
| 1 | 13 | C1, C2, C3, C101, C102, C301, C302, C304, C403, C404, C501, C502, C503 | .1u | device:C |
| 2 | 1 | C303 | 1u | device:C |
| 3 | 3 | C401, C402, C405 | 47u | device:CP1 |
| 4 | 4 | D1, D101, D102, D103 | LED | device:LED |
| 5 | 4 | D401, D501, D502, D503 | MBRS340T3G | device:D_Schottky |
| 6 | 1 | L401 | .9u | device:INDUCTOR_SMALL |
| 7 | 1 | P101 | CONN_01X05 | conn:CONN_01X05 |
| 8 | 2 | P201, P202 | CONN_01X08 | conn:CONN_01X08 |
| 9 | 1 | P301 | USB_OTG | conn:USB_OTG |
| 10 | 5 | P302, P401, P501, P502, P503 | CONN_01X02 | conn:CONN_01X02 |
| 11 | 3 | Q501, Q502, Q503 | NTD3055L104 | cartboard:Q_NMOS_DGS_DPAK3 |
| 12 | 1 | R1 | 180R | device:R |
| 13 | 6 | R101, R102, R103, R501, R502, R50 | 1K | device:R |
| 14 | 2 | RP201, RP202 | 1K | device:R_PACK8 |
| 15 | 1 | U101 | CY8C29466 | cartboard:CY8C29466 |
| 16 | 3 | U201, U202, U203 | SP723 | cartboard:SP723 |
| 17 | 1 | U301 | CY7C65213-28 | cartboard:CY7C65213-28 |
| 18 | 1 | U302 | ISO7321 | cartboard:ISO7321 |
| 19 | 1 | U401 | MC7805CDTRKG | cartboard:7805CDT |
| Total | 54 | | | |

output

| Footprint | Part | Mouser Price (1) |
|---|---|---|
| | | |
| Capacitors_SMD:C_0603_HandSoldering | C0603X104K5RACTU | $0.057 |
| Capacitors_SMD:C_0603_HandSoldering | GRM188R61H105KAALD | $0.17 |
| cartboard:CAP_UCD1H470MCL6GS | UCD1H470MCL6GS | $0.55 |
| LEDs:LED_0805 | APT2012SGC | $0.14 |
| Diodes_SMD:SMC_Standard | MBRS340T3G | $0.42 |
| cartboard:L_NRS | NRS6028T0R9NMGJV | $0.48 |
| Pin_Headers:Pin_Header_Angled_1x05 | 22-23-2051 | $0.30 |
| cartboard:TE_TERMBLOCK_5mmx8_282836-8 | 282836-8 | $2.30 |
| Connect:USB_Mini-B | 65100516121 | $1.50 |
| cartboard:TE_TERMBLOCK_5mmx2_282836-2 | 282836-2 | $0.41 |
| cartboard:D-PAK3 | NTD3055L104T4G | $0.62 |
| Resistors_SMD:R_0603_HandSoldering | ERJ-3GEYJ181V | $0.10 |
| Resistors_SMD:R_0603_HandSoldering | ERJ-3GEYJ102V | $0.10 |
| Housings_SOIC:SOIC-16_7.5x10.3mm_Pitch1.27mm | 628A102 | $0.93 |
| Housings_SSOP:SSOP-28_5.3x10.2mm_Pitch0.65mm | CY8C29466-24PVXI | $8.13 |
| Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm | SP723ABG | $2.86 |
| Housings_SSOP:SSOP-28_5.3x10.2mm_Pitch0.65mm | CY7C65213-28PVXI | $2.44 |
| Housings_SOIC:SOIJ-8_5.3x5.3mm_Pitch1.27mm | ISO7321CDR | $2.78 |
| cartboard:D-PAK3 | MC7805CDTRKG | $0.57 |
| | | |

| Extended Price | Min\Mult Order Qty | Quoted Part Number |
|---|---|---|
| $0.74 | 1\1 | 80-C0603X104K5R |
| $0.17 | 1\1 | 81-GRM188R61H105KALD |
| $1.65 | 1\1 | 647-UCD1H470MCL6GS |
| $0.56 | 1\1 | 604-APT2012SGC |
| $1.68 | 1\1 | 863-MBRS340T3G |
| $0.48 | 1\1 | 963-NRS6028T0R9NMGJV |
| $0.30 | 1\1 | 538-22-23-2051 |
| $4.60 | 1\1 | 571-2828368 |
| $1.50 | 1\1 | 710-65100516121 |
| $2.05 | 1\1 | 571-2828362 |
| $1.86 | 1\1 | 863-NTD3055L104T4G |
| $0.10 | 1\1 | 667-ERJ-3GEYJ181V |
| $0.60 | 1\1 | 667-ERJ-3GEYJ102V |
| $1.86 | 1\1 | 858-628A102 |
| $8.13 | 1\1 | 727-CY8C29466-24PVXI |
| $8.58 | 1\1 | 576-SP723ABG |
| $2.44 | 1\1 | 727-CY7C65213-28PVXI |
| $2.78 | 1\1 | 595-ISO7321CDR |
| $0.57 | 1\1 | 863-MC7805CDTRKG |
| $40.65 | | |