

Title Reef-PI_PWM Module
 Revision V0.3
 Date 11/3/2018
 Generated 11/6/2018 6:27
 Company
 Comment 1
 Comment 2
 Comment 3
 Comment 4
 Total Parts 77
 Total Unique 11

| Ref | Qty | Value | Footprint | Datasheet | Available | MPN |
|---------------|-----|--------------------|-----------------|---|-----------|----------------------------|
| C1 | 1 | 330uF | Capacitors | https://www.mouser.at/ProductDetail/Cornell-Dubilier-CDE/337SAK050M?qs=sGAEpiMZZMsh%252b1woXyUXj6tSaZi%252bOgx%2fksngME7LAzk%3d | | 337SAK050M |
| C2 C3 | 2 | 100nf | Capacitors | https://www.mouser.at/ProductDetail/kemet/mmk5104j50j01tr18i165tr18/?qs=qe%2ftxcMakihLUCH7vXErEQ==&countrycode=US&currencycode=USD | | MMK5104J50J01TR18L16.5TR18 |
| J1 | 1 | Conn_01x0 Pin_Head | chrome-ex | https://www.mouser.at/ProductDetail/SchmartBoard/920-0086-01?qs=sGAEpiMZZMuw1rG4%252bG7fpiO%2f7Q9Nlygcar%2fDEXGrMMY%3d | | 920-0086-01 |
| J2 J3 J4 J5 J | 6 | Jumper | Sol Not applica | Integrated in PCB design | | N/A |
| J8 J9 J10 J1 | 16 | Audio-Jack | MJ1-2503A | https://www.mouser.at/ProductDetail/CUI/MJ1-2503A?qs=%2fha2pyFadugRb8YJ5pXDyOCH70hzTlqTPLuPAyW5mNJBuJmsZcUBYg%3d%3d | | MJ1-2503A |
| Q1 Q2 Q3 C | 16 | BC184B | TO_SOT_P | https://www.mouser.at/ProductDetail/Central-Semiconductor/BC184B?qs=%2fha2pyFadugp%252bqyabVC3WZIZ7MNegLrWSFhjivdy%2fSA%3d | | BC184B |
| R1 R2 R3 R | 16 | 10K | Resistors_T | https://www.mouser.com/ProductDetail/Yageo/FMP200JT-52-10K?qs=gt1LBUVyoHkkG7fWrbuf7A%3d%3d | | FMP200JT-52-10K |
| R9 R10 R11 | 16 | 1K | Resistors_T | https://www.mouser.at/ProductDetail/Yageo/FMP200JR-52-1K?qs=sGAEpiMZZMukHu%252bjCSi7YU1KDXB2UgZEvn3JdA3JuLo%3d | | FMP200JR-52-1K |
| RN1 | 1 | R_Network | Resistors_T | https://www.mouser.at/ProductDetail/bourns/4607x-101-822lf/?qs=ehdiChDUEdUJepyEpYUqGA==&countrycode=US&currencycode=USD | | 4607X-101-822LF |
| U1 | 1 | PCA9685PW | Housings_5 | https://www.mouser.at/ProductDetail/NXP-Semiconductors/PCA9685PW118?qs=sGAEpiMZZMvKM5ialpXrnmWDpPMxsdrM | | PCA9685PW |
| U2 | 1 | uA7810 | TO_SOT_P | https://www.mouser.at/ProductDetail/ON-Semiconductor-Fairchild/LM7810CT?qs=sGAEpiMZZMtZPgOfznR9QfzQe44omxbY | | LM7810 |

BOM made with KICAD_BOM_WIZARD (https://github.com/HashDefineElectronics/KiCad_BOM_Wizard.git)
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