

7B-8.000MAAJ-T

TXC

7B Series 8 MHz ± 30 ppm 18 pF
-20 to +70 °C Surface Mount
Quartz Crystal



CL10B105K08NNNC

Samsung

CL10 Series 1 uF 16 V ±10 %
Tolerance X7R SMT Multilayer
Ceramic Capacitor



C3225X7R1C226K250AC

TDK

C Series 1210 22 uF 16 V ±10 %

Tolerance X7R SMT Multilayer
Ceramic Capacitor



Shelf-C-1

GCM155R71H104KE02J

Murata

0402 50 V 0.1 uF ±10% Tolerance
X7R Multilayer Ceramic Chip
Capacitor



APDS-9950

Broadcom

Digital RGB, Ambient Light and
Proximity Sensor



C0603C105K4RACTU

KEMET

Cap Ceramic 1uF 16V X7R 10% SMD
0603 125C Paper T/R



Shelf-C-2

Meta-part: various choices for
22uF X5R 16V in 1210



ASMB-BTE1-0B332

Broadcom

LED, RGB, 2.4mm, Red, Green,
Blue, R 630mcd, G 1500mcd, B
350mcd, 110 , R 2.1V, G 3.1V, B
3.1V



Meta-part: various choices for
100nF X7R 50V



C1210C226M4PACTU

KEMET

1210 C 22uF Ceramic Multilayer
Capacitor; 16 VDC; +85degC; X5R
Dielec; +/-20%



B82477P4473M000

EPCOS

Inductor, 47uH, 2.8A, EPCOS,
DCR=0.067Ω



C1210C226K4PACTU

KEMET

Capacitor: ceramic; MLCC; 22uF;
16VDC; X5R; ±10%; SMD; 1210



NRF52832-QFAA-T

Nordic Semiconductor

MCU 32-Bit ARM Cortex M4F RISC
512KB Flash 1.7V to 3.6V 48-Pin
QFN EP Tray



NRF52832-QFAA-R

Nordic Semiconductor

nRF52832 multiprotocol 2,4G SoC



PMEG4005EPK, 315

Nexperia

PMEG4005EPK - 40 V, 0.5 A low

VF MEGA Schottky barrier
rectifier



BLM18AG471SH1D

Murata

Ferrite Beads Multi-Layer

4700hm 25% 100MHz 550mA 350mOhm

DCR 0603 Automotive T/R



CGA2B3X7R1H104K050BB

TDK

Multilayer Ceramic Capacitor,
AEC-Q200 CGA Series, 0.1 - F, -
10%, X7R, 50 V



Meta-part: various choices for
1uF X7R 16V in 0603



74AHC2G00GD,125

Nexperia

**74AHC(T)2G00 - Dual 2-input
NAND gate**



Shelf-B-1

MC0603B105K160CT

Multicomp

CAP, MLCC, X7R, 1UF, 16V, 0603



BLM31PG121SN1L

Murata

Ferrite Beads Multi-Layer
1200hm 25% 100MHz 3.5A 20m0hm
DCR 1206 T/R



TPS61161DRV

Texas Instruments

White LED Driver with Digital
and PWM Brightness Control in
2mm x 2mm WSON Package 6-WSON
-40 to 85



1210YD226MAT2A

AVX

Cap Ceramic 22uF 16V X5R 20%

Pad SMD 1210 85C T/R



TPS78233DDCT

Texas Instruments

500nA, IQ 150mA, Ultra-Low
Quiescent Current Low-Dropout
Linear Regulator 5-SOT -40 to
125



Shelf-A-1

MKL03Z32VFG4

NXP Semiconductors

32 Bit Microcontroller, Kinetis
L Series Ultra Low Power, ARM
Cortex-M0+, 48 MHz, 32 KB, 2
KB, 16



Pick And Place: Tray

C1608X7R1C105K080AC

TDK

Multilayer Ceramic Capacitor, C
Series, 1 - F, - 10%, X7R, 16
V, 0603 [1608 Metric]



Pick And Place: Feeder02

TPS61161DRV

Texas Instruments

White LED Driver with Digital
and PWM Brightness Control in
2mm x 2mm QFN Package 6-SON -40
to 85



Shelf-A-1

WLED Controller V1.1

PartsBox

Sub-assembly part, result of
building a project.



Shelf-C-2

VLF252015MT-2R2M

TDK

Surface Mount Power Inductor,
VLF-M Series, 2.2 H, 20%,
Shielded, 0.07 ohm, 2.1 A



Shelf-A-1

CL10B105K08VPNC

Samsung

CL10 Series 0603 1 uF 16 V ±10%

Tolerance X7R Multilayer

Ceramic Capacitor



C1005X7R1H104K050BB

TDK

C Series 0402 0.1 uF 50 V ±10 %

Tolerance X7R SMT Multilayer

Ceramic Capacitor



Pick And Place: Feeder01, Shelf-A-2

nRF52832, all QFAA variants



GRM32ER61C226KE20L

Murata

1210 22 uF 16 V $\pm 10\%$ Tolerance
X5R SMT Multilayer Ceramic
Capacitor



Shelf-A-2

NRF52832-QFAA-R7

Nordic Semiconductor

Bluetooth SMART SOC IoT
2000Mbps 48-Pin QFN EP T/R



TPS61161DRV, tape & reel
versions



CL32A226KOJNNNE

Samsung

CL32 Series 22 uF 16 V ±10 %

Tolerance X5R SMT Multilayer

Ceramic Capacitor

