

NRF PROG (assy 35-00053-00)
 Bill-of-Material
 Version 1.0

Reference Designator	Value	Manufacturer	Part Number
C1, C7	0.01 uF 50V 0805 X7R 10%	Kemet	C0805C103K5RAC7411
C2, C4, C5, C6	0.1 uF 50V 0805 X7R 10%	Kemet	C0805C104K5RACTU
C3	10 uF 16V 1206 X5R 10%	Kemet	C1206C106K4PACTU
CON1	USB Mini-B Recept On-The-Go Right Angle	Molex	67503-1020
CON3	2X4 Male Header	TE Connectivity	826925-4
D1	TVS Diode Array USB ESD Protection	ST Micro	USBLC6-2SC6
D2, D4	Green LED 0805	Osram Opto	LG R971-KN-1
D3	Red LED 0805	Osram Opto	LS R976-NR-1
D5	Schottky Diode 30V 0805 SOD-123	Vishay	BAT54W-E3-18
L1	EMI Filter Bead 40V 100 MHz 1.5A 0805	Laird Technology	MI0805K400R-10
Q1	MOSFET P-CH 20V 2A	NXP	NX2301P,215
R1, R3	10 K-ohm 1/8W 1% 0805	KOA Speer	RK73H2ATTD1002F
R2	1 K-ohm 1/8W 1% 0805	KOA Speer	RK73H2ATTD1001F
R4, R5, R6	360 ohm 1/8W 1% 0805	KOA Speer	RK73H2ATTD3600F
U1	USB Interface IC to Serial UART SSOP-28	FTDI	FT232RL
U2	8-bit Microcontroller SOIC-14	Microchip	PIC16F1825-I/SL
XTAL1	8.000 MHz 30 ppm Crystal	Abracon	ABLS-8.000MHZ-B4-T