







V2.1 Jim Williams Pulse Generator

Variant: None Creation Date: 8/02/2017 5:38:23 PM Print Date: 08-Feb-17 5:38:29 PM Footprint Comment Farnell PN Digikey Designator CCNP3216-1206 470nF/100V 2497173 C1, C2, C CCNP2012-0805 10uF/10V C4 CCNP2012-0805 1.8pF/100V 2672812 C5, C6, C BNC-to-BNC BNC-to-BNC 4195255 Con1 SMB_Diode MURS120-13-F 1858618 D1, D2, E MOLEX - 47346-0001 USB_MICRO_B_CONNECTOR 1568026 J1 BNC_RA CON - Molex - Resistor BNC-MOLEX- 1418237 WM5524-ND J2 INDUCTOR_SMT 150uH 1864148 L1 L1 CL2012-0805 2T L2 L2 TO-18-flush 2N2369 9206850 Q1 CR2012-0805 1M R2 CR2012-0805 1M R2 CR2012-0805 10M R3	B Capacitor 3 Capacitor SMT 0805 1 Capacitor 3 1 1
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Print Date: 08-Feb-17 5:38:29 PM Pigikey Designator Footprint Comment Farnell PN Digikey Designator CCNP3216-1206 470nF/100V 2497173 C1, C2, C0 CCNP2012-0805 10uF/10V C4 CCNP2012-0805 1.8pF/100V 2672812 C5, C6, C0 BNC-to-BNC BNC-to-BNC 4195255 Con1 SMB_Diode MURS120-13-F 1858618 D1, D2, E MOLEX - 47346-0001 USB_MICRO_B_CONNECTOR 1568026 J1 BNC_RA CON - Molex - Resistor BNC-MOLEX- 0731000105_TERMINATED 1418237 WM5524-ND J2 INDUCTOR_SMT 150uH 1864148 L1 L1 CL2012-0805 2T C2 C2 TO-18-flush 2N2369 9206850 Q1 CR2012-0805 100R R1 CR2012-0805 10M R2 CR2012-0805 10M R2	Capacitor 3
Footprint Comment Farnell PN Digikey Designator CCNP3216-1206 470nF/100V 2497173 C1, C2, C CCNP2012-0805 10uF/10V C4 CCNP2012-0805 1.8pF/100V 2672812 C5, C6, C6 BNC-to-BNC BNC-to-BNC 4195255 C0n1 BNC-to-BNC MURS120-13-F 1858618 D1, D2, E MOLEX - 47346-0001 USB_MICRO_B_CONNECTOR 1568026 J1 BNC_RA CON - Molex - Resistor 0731000105_TERMINATED 1418237 WM5524-ND J2 INDUCTOR_SMT 150uH 1864148 L1 CL2012-0805 2T L2 TO-18-flush 2N2369 9206850 Q1 CR2012-0805 1M CR2012-0805 1M CR2012-0805 1M CR2012-0805 1M CR2012-0805 1M CR2012-0805 1M CR2012-0805 10M	Capacitor 3
CCNP3216-1206	Capacitor 3
CCNP2012-0805 10uF/10V C4 CCNP2012-0805 1.8pF/100V 2672812 C5, C6, C BNC-to-BNC BNC-to-BNC 4195255 Con1 SMB_Diode MURS120-13-F 1858618 D1, D2, E MOLEX - 47346-0001 USB_MICRO_B_CONNECTOR 1568026 J1 BNC_RA CON - Molex - Resistor BNC-MOLEX- 0731000105_TERMINATED 1418237 WM5524-ND J2 INDUCTOR_SMT 150uH 1864148 L1 L1 CL2012-0805 2T L2 L2 TO-18-flush 2N2369 9206850 Q1 CR2012-0805 1M R1 CR2012-0805 1M R2 CR2012-0805 10M R3	Capacitor SMT 0805
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CCNP2012-0805 1.8pF/100V 2672812 C5, C6, C6 BNC-to-BNC BNC-to-BNC 4195255 Con1 SMB_Diode MURS120-13-F 1858618 D1, D2, E MOLEX - 47346-0001 USB_MICRO_B_CONNECTOR 1568026 J1 BNC_RA CON - Molex - Resistor BNC-MOLEX- 0731000105_TERMINATED 1418237 WM5524-ND J2 INDUCTOR_SMT 150uH 1864148 L1 L1 CL2012-0805 2T L2 L2 TO-18-flush 2N2369 9206850 Q1 CR2012-0805 100R R1 CR2012-0805 1M R2 CR2012-0805 10M R3	Capacitor 3 B Fast / Ultrafast Diode, 200 V, 1 A 3 USB Micro-B Connector 1 BNC Connector 1 Inductor - SMT 3mm 1
BNC-to-BNC BNC-to-BNC 4195255 Con1 SMB_Diode MURS120-13-F 1858618 D1, D2, E MOLEX - 47346-0001 USB_MICRO_B_CONNECTOR 1568026 J1 BNC_RA CON - Molex - Resistor BNC-MOLEX- 0731000105_TERMINATED 1864148 L1 CL2012-0805 2T L2 TO-18-flush 2N2369 9206850 Q1 CR2012-0805 1M R1 CR2012-0805 1M R2 CR2012-0805 10M R3	1 3 Fast / Ultrafast Diode, 200 V, 1 A 3 USB Micro-B Connector 1 BNC Connector 1 Inductor - SMT 3mm 1
SMB_Diode MURS120-13-F 1858618 D1, D2, E MOLEX - 47346-0001 USB_MICRO_B_CONNECTOR 1568026 J1 BNC_RA CON - Molex - Resistor BNC-MOLEX- 0731000105_TERMINATED 1418237 WM5524-ND J2 INDUCTOR_SMT 150uH 1864148 L1 CL2012-0805 2T L2 TO-18-flush 2N2369 9206850 Q1 CR2012-0805 100R R1 CR2012-0805 1M R2 CR2012-0805 10M R3	USB Micro-B Connector
MOLEX - 47346-0001 USB_MICRO_B_CONNECTOR 1568026 J1 BNC_RA CON - Molex - Resistor BNC-MOLEX- 0731000105_TERMINATED 1418237 WM5524-ND J2 NDUCTOR_SMT 150uH 1864148 L1 CL2012-0805 2T L2 TO-18-flush 2N2369 9206850 Q1 CR2012-0805 100R R1 CR2012-0805 1M R2 CR2012-0805 10M R3	USB Micro-B Connector
BNC_RA CON - Molex - Resistor	BNC Connector 1 Inductor - SMT 3mm 1
INDUCTOR_SMT 150uH 1864148 L1 CL2012-0805 2T L2 TO-18-flush 2N2369 9206850 Q1 CR2012-0805 100R R1 CR2012-0805 1M R2 CR2012-0805 10M R3	
CL2012-0805 2T L2 TO-18-flush 2N2369 9206850 Q1 CR2012-0805 100R R1 CR2012-0805 1M R2 CR2012-0805 10M R3	Resistor 1
TO-18-flush 2N2369 9206850 Q1 CR2012-0805 100R R1 CR2012-0805 1M R2 CR2012-0805 10M R3	
CR2012-0805 100R R1 CR2012-0805 1M R2 CR2012-0805 10M R3	High Speed Switching Transistor 1
CR2012-0805 10M R3	Resistor 1
	Resistor 1
	Resistor 1
CR2012-0805 10K R4	Resistor 1
CR3216-1206 50R R5	Resistor 1
CR2012-0805 OR R6	Resistor 1
CR2012-0805 24K R7	Resistor 1
SO-8_L LT1073CS8 1273663 U1	Micropower DC/DC Converter (Adjustable, 212mV reference) 1
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Approved Notes	