		Source Data From: Project: Variant:	Arduino UNO.PrjPcb Arduino UNO.PrjPcb Fixed 5V	• • •	Contact: THIRIIPATHI N P.S.N.A. CET DINDIGUL TAMII NADII	ELECTRONIC ENGINEER		
	Report Date: Print Date:	18-05-2020 18-May-20	10:41 AM 10:45:08 AM		TAMIL NADU INDIA			
	Designator	Comment	Description	Manufacturer 1	Manufacturer Part Number 1	#Column Name Error: Package / Case	Supplier 1	Supplier Part Number
ľ	C1 C2	100n 10uF/16v	TDK - C2012X7R1H104K085AA - CERAMIC CAPACITOR, 10UF, 16V, X5R, 20%, 0805, FULL				Digi-Key Digi-Key	445-7534-1-ND 445-4115-2-ND
ŀ	C3	100n	TDK - C2012X7R1H104K085AA -				Digi-Key	445-7534-1-ND
1	C4 C5	100n 100n	TDK - C2012X7R1H104K085AA - TDK - C2012X7R1H104K085AA -				Digi-Key Digi-Key	445-7534-1-ND 445-7534-1-ND
1	C6	100n 18p	TDK - C2012X7R1H104K085AA - CAP CER 18PF 50V C0G/NP0 0805				Digi-Key Digi-Key	445-7534-1-ND 399-1112-1-ND
	C8	18p	CAP CER 18PF 50V COG/NP0 0805				Digi-Key	399-1112-1-ND
	C9 C10	100n 100uF/10V	TDK - C2012X7R1H104K085AA - Cap Aluminum 100uF 10V 20% (5 X 5.4mm) SMD 50mA				Digi-Key Digi-Key	445-7534-1-ND PCE3867CT-ND
	C11	100uF/10V 10uF/16v	Cap Aluminum 100uF 10V 20% (5 X 5.4mm) SMD 50mA CERAMIC CAPACITOR, 10UF, 16V, X5R, 20%, 0805, FULL				Digi-Key	PCE3867CT-ND 445-4115-2-ND
7	C12 C13	100n	TDK - C2012X7R1H104K085AA -				Digi-Key Digi-Key	445-7534-1-ND
	C14 C15	100n	TDK - C2012X7R1H104K085AA - TDK - C2012X5R1E105K125AA - SMD Multilayer Ceramic				Digi-Key Digi-Key	445-7534-1-ND 445-1419-1-ND
-	C16	100n	TDK - C2012X7R1H104K085AA -				Digi-Key	445-7534-1-ND
	C17 C18	10uF/16v 10uF/16v	CERAMIC CAPACITOR, 10UF, 16V, X5R, 20%, 0805, FULL CERAMIC CAPACITOR, 10UF, 16V, X5R, 20%, 0805, FULL				Digi-Key Digi-Key	445-4115-2-ND 445-4115-2-ND
-	C19 C20	100n	TDK - C2012X7R1H104K085AA -				Digi-Key Digi-Key	445-7534-1-ND 445-7534-1-ND
1	C21	100n 100n	TDK - C2012X7R1H104K085AA -				Digi-Key	445-7534-1-ND
7	C22 C23	10uF/16v	TDK - C2012X7R1H104K085AA - CERAMIC CAPACITOR, 10UF, 16V, X5R, 20%, 0805, FULL				Digi-Key Digi-Key	445-7534-1-ND 445-4115-2-ND
	C24 C25	100n	TDK - C2012X7R1H104K085AA - CAP CER 18PE 50V COGNPO 0805				Digi-Key Digi-Key	445-7534-1-ND 399-1112-1-ND
	C27	18p	CAP CER 18PF 50V COG/NP0 0805				Digi-Key	399-1112-1-ND
	C28 C29	100n 10uF/16v	TDK - C2012X7R1H104K085AA - CERAMIC CAPACITOR, 10UF, 16V, X5R, 20%, 0805, FULL				Digi-Key Digi-Key	445-7534-1-ND 445-4115-2-ND
Ţ,	C30	100n 100n	TDK - C2012X7R1H104K085AA - TDK - C2012X7R1H104K085AA -				Digi-Key Digi-Key	445-7534-1-ND 445-7534-1-ND
7	C32	100n	TDK - C2012X7R1H104K085AA -				Digi-Key	445-7534-1-ND
	C33 C34	10uF/16v 100n	CERAMIC CAPACITOR, 10UF, 16V, XSR, 20%, 0805, FULL TDK - C2012X7R1H104K085AA -				Digi-Key Digi-Key	445-4115-2-ND 445-7534-1-ND
	D1	BAT54HT1G	Small Signal Schottky Diode, Single, 30 V, 200 mA, 800 mV, OSRAM - LO L29K-H2K1-24-Z - SMARTLED 0603				Digi-Key	BAT54HT1GOSCT-ND
	D2 D3	LED ORG	OSRAM - LO L29K-H2K1-24-Z - SMARTLED 0603 OSRAM - LO L29K-H2K1-24-Z - SMARTLED 0603				Digi-Key Digi-Key	475-2740-2-ND 475-2740-2-ND
1	D4 D5	LED GREEN LED ORG	LED Uni-Color Green 572nm 2-Pin Chip 0603(1608Metric) OSRAM - LO L29K-H2K1-24-Z - SMARTLED 0603				Digi-Key Digi-Key	475-2709-1-ND 475-2740-2-ND
ŀ	D6	BAT54HT1G	Small Signal Schottky Diode, Single, 30 V, 200 mA, 800 mV,				Digi-Key	BAT54HT1GOSCT-ND
-	FB1 FB2	MPZ2012S601AT000 MPZ2012S601AT000	FERRITE BEAD 600 OHM 0805 1LN FERRITE BEAD 600 OHM 0805 1LN				Digi-Key Digi-Key	445-2206-1-ND 445-2206-1-ND
-	FB3	MPZ2012S601AT000 M20-7820842	FERRITE BEAD 600 OHM 0805 1LN 2.54mm (0.1") Pitch SiL Vertical PC Tail Socket Assembly,				Digi-Key Digi-Key	445-2206-1-ND 952-1823-ND
i	J3	hedder 2*3	CONN HEADER 6POS .100 STR 30AU				Digi-Key	609-3393-ND
ŀ	J4 J7	10118193-0001LF hedder 2*3	CONN USB MICRO B RECPT SMT R/A CONN HEADER 6POS .100 STR 30AU				Digi-Key Digi-Key	609-4616-1-ND 609-3393-ND
	J8 J9	M20-7821046 M20-7820646	HARWIN - M20-7821046 - Board-To-Board Connector, M20 06-WAY SIL VERT SOCKET L/FREE				Digi-Key	952-1847-ND
	J10	M20-7820842	2.54mm (0.1") Pitch SIL Vertical PC Tail Socket Assembly,				Digi-Key Digi-Key	952-1823-ND
	JP1 JP2	1X4 HEADDER 1-2 HEADDER	CONN HEADER VERT 4POS 2.54MM  Conn Linstroutied Header HDR 3 POS 2.54mm Solder ST				Digi-Key Digi-Key	609-3402-ND 609-3461-ND
	L1 LINK1	2u2/2A LINK	FIXED IND 2.2UH 2A 80 MOHM SMD				Digi-Key	399-9598-1-ND S9337-ND
	LINK3	LINK	CONN JUMPER SHORTING .100" GOLD CONN JUMPER SHORTING .100" GOLD				Digi-Key Digi-Key	S9337-ND
-	R1 R2	10K	RES SMD 10K OHM 1% 1/8W 0805 RES SMD 22 OHM 1% 1/8W 0805				Digi-Key Digi-Key	311-10.0KCRCT-ND 311-22.0CRCT-ND
7	R3	100K	YAGEO RC0805FR-07100KL RES, THICK FILM, Surface Mount Thick Film Resistor, RC Series, 560 ohm, 125				Digi-Key	311-100KCRCT-ND 311-560CRCT-ND
	R5	560	Surface Mount Thick Film Resistor, RC Series, 560 ohm, 125				Digi-Key Digi-Key	311-560CRCT-ND
	R6 R7	10K 1M	RES SMD 10K OHM 1% 1/8W 0805 RES SMD 1M OHM 1% 1/8W 0805				Digi-Key Digi-Key	311-10.0KCRCT-ND 311-1.00MCRCT-ND
	R8	22	RES SMD 22 OHM 1% 1/8W 0805				Digi-Key	311-22.0CRCT-ND
	R10 R11	22	RES SMD 22 OHM 1% 1/8W 0805 RES SMD 22 OHM 1% 1/8W 0805				Digi-Key Digi-Key	311-22.0CRCT-ND 311-22.0CRCT-ND
	R12 R13	1K R0	RESISTOR, 0805 1K 1%, FULL REEL; Product Surface Mount Thick Film Resistor, RC Series, 125 mW, -				Digi-Key Digi-Key	311-1.00KCRCT-ND 311-0.0ARCT-ND
7	R14	1K	RESISTOR 0805 1K 1% FULL REFL Product				Digi-Key	311-1.00KCRCT-ND
7	R15 R17	R0 1K	Surface Mount Thick Film Resistor, RC Series, 125 mW, - RESISTOR, 0805 1K 1%, FULL REEL; Product				Digi-Key Digi-Key	311-0.0ARCT-ND 311-1.00KCRCT-ND
	R18 R19	560	Surface Mount Thick Film Resistor, RC Series, 560 ohm, 125 Surface Mount Thick Film Resistor, RC Series, 560 ohm, 125				Digi-Key Digi-Key	311-560CRCT-ND 311-560CRCT-ND
	R20	10K	RES SMD 10K OHM 1% 1/8W 0805				Digi-Key	311-10.0KCRCT-ND
	R21 R22	560	Surface Mount Thick Film Resistor, RC Series, 560 ohm, 125 RES SMD 22 OHM 1% 1/8W 0805				Digi-Key Digi-Key	311-560CRCT-ND 311-22:0CRCT-ND
T	R23 R24	10K	RES SMD 10K OHM 1% 1/8W 0805 RES SMD 22 OHM 1% 1/8W 0805				Digi-Key Digi-Key	311-10.0KCRCT-ND 311-22.0CRCT-ND
	R25	1M	RES SMD 1M OHM 1% 1/8W 0805				Digi-Key	311-1.00MCRCT-ND
	R26 R27	10K 10K	RES SMD 10K OHM 1% 1/8W 0805 RES SMD 10K OHM 1% 1/8W 0805				Digi-Key Digi-Key	311-10.0KCRCT-ND 311-10.0KCRCT-ND
	R28 SOCKETU1	28DIP SCOKET	RES SMD 22 OHM 1% 1/8W 0805 CONN IC DIP SOCKET 28POS TIN				Digi-Key Digi-Key	311-22.0CRCT-ND 3M5480.ND
	SW1	4_pin_switch	SWITCH TACTILE SPST-NO 0.05A 24V				Digi-Key	450-1650-ND
	SW2 U1	4_pin_switch AND	SWITCH TACTILE SPST-NO 0.05A 24V TEXAS INSTRUMENTS - SN74AHC1G09DBVR - AND				Digi-Key Digi-Key	450-1650-ND 296-29202-1-ND
7	U2 U3	ATMEGA16U2-AU TL1963A-33DCQR	MICROCHIP - ATMEGA16U2-AU - MCU, 8BIT, MEGAAVR,				Digi-Key	ATMEGA16U2-AU-ND 296-24534-1-ND
ı	U4	AND	TEXAS INSTRUMENTS - SN74AHC1G09DBVR - AND				Digi-Key Digi-Key	296-29202-1-ND
	US US	AND ATMEGA328P-PU	TEXAS INSTRUMENTS - SN74AHC1G09DBVR - AND ATMEGA328P-PU; 8 bit Microcontroller AVR 20MHz 1; 32kb				Digi-Key Digi-Key	296-29202-1-ND ATMEGA328P-PU-ND
	U7	AND	TEXAS INSTRUMENTS - SN74AHC1G09DBVR - AND				Digi-Key	296-29202-1-ND
	Y1 Y2	ABM7-16.000MHZ-D2Y-T ABM7-16.000MHZ-D2Y-T	CRYSTAL 16.0000MHZ 18PF SMD CRYSTAL 16.0000MHZ 18PF SMD				Digi-Key Digi-Key	535-9840-1-ND 535-9840-1-ND
ŀ	Z1 Z2	varister varister	VARISTOR 0603 VARISTOR 0603				Digi-Key Digi-Key	CG0603MLC-05ECT-ND CG0603MLC-05ECT-ND
-1	_	run wod	77000 OR 0003				-ig-ney	GGGGGGMLG-GDECT-ND