Component reference list (grouped) Source Data From: Project: Variant:		Ardaino UNO 28pin.PrjPcl Ardaino UNO 28pin.PrjPcl 5V/3V3			Contact:		Generated by: FEDEVEL	£
Report Date: Print Date:	Quantit	14-02-2025 14-Feb-25	12:30 12:30:33 PM	Mondai	Manufacturer Part Number	C-8-1	name Parama federal com	Supplier Part Numb
CI, CI	2	EEE-IAA101WR	Alaminum Electrolytic Capacitor, 100 uF, 10 V, ± 20%, 1000 hours @ 85°C, Radial Can - SMD	Panasonic Panasonic	PEE-IAA101WR	Radial	DigiKey	PCE3807CT-ND
C3, C4, C17, C18	4	C0805C18005GACTU (2)	Multilayer Ceramic Capacitor, 18 pft, 50 V, ± 5%, COG (NPO), 0805 (2002 Morrie)			N05	Digikey	399- C0805C18035GAC71 CT-ND
C5, C7, C8, C10, C11, C12, C13, C20, C21, C22, C23, C24, C27, C28, C29, C30, C31, C32, C33	19	100nF	Multilayer Ceramic Capacitor, 0.1 ul ² , 50 V, ± 10%, X7R, 0805	TDK	C2012X7R1H104K085AA	N05	Digikey	445-7534-1-ND
C6, C14, C15, C16, C19, C25, C26	7	1049	Radial Can - SMD Malphayer Caranic Maphayer Caranic May 18 pt. 50 V. a. 59 s. COG (NNS) Matthayer Caranic Capacine, 0.1 uf. 50 Matthayer Caranic Capacine, 0.1 uf. 50 Matthayer Caranic Capacine, 0.1 uf. 50 Matthayer Caranic Capacine, 10 uf. 16 V. a. 20 s. X. R. Guoss JSB2 Mantel CAP CIR (UF 25) XSR (605) LED Uni-Calee Soft Orange 65000 Caragine Goods Caragine Goods Capacine Capac	TDK	C2012X5R1C106M085AC		DigiKey	445-7645-1-ND
C9		1sF(25V	XSR 0805 LED Uni-Color Soft	TDK	C2012X5R1E105K125AA		Digikay	445-1419-1-ND
D1, D2	2	Orange	Automotive 2-Pin Chip	Vishay	TLMO1000-CS08	603	Digikey	TLMO1000-GS08C ND
DS	-	Green_LED	OSOS (1608Metric) T/R Single Color LED, Green, Water Clear LED Uni-Color Soft Orange 610cm Automotive 2-Pin	SmLED	XZCDGK53W-8VF		DigiKey	1497-XZCDGK53W SVPCT-ND
D4		Orange	OSON ISOSMerrica	Vishay	TLMO1000-CS08	603	Digikey	TLMO1000-GS08C ND
D5, D6	2	BATS4HT1G	T/R Small Signal Schooley Diode, Single, 30 V, 200 Ma, 800 Mv, 600 Ma, 150 C Ferrire Bends Multi-	ON Semiconductor / Pairchild	BAT54HTIG		Digikey	BATS4HT1GOSCT-
F1, F2, F3	3	MPZ2012S601AT000	Layer Power 6000hm 25% 100MHz 2A 100mOhm DCR 0805 T/R	TDK	MPZ20128601AT000	NO5	Digikay	445- MPZ20125601AT00 T-ND
12	-	10118193-0001LF	PCI Right Angle Surface Mount Mount Female USB Connector; 100 V ac; 1.8A	Amphenol ICC / PCI	101181930001LF		Digikey	609-4616-1-ND
23, 16	2	67997-1068ELF	LSA Com Unsbroaded Header HDR 6 POS 2.54mm Solder ST Top Entry Thru-Hole BergStik® Bulk	Amphenol Communications Solutions	67997-106HLF		Digikay	609-3393-ND
и	1	HDR_Male_1s4	Header HDR 4 POS	Amphenol Communications Solutions	680012048fLF		Digikey	609-3402-ND
15, 117	2	HDR_Male_1x3, 68000- 1039E.F	Thre-Hole Bag Conn Umbrouded Header HDR 3 POIS 2.54mm Solder ST Top Entry Thre-Hole BergSeic® Automotive Bulk 2.54mm (0.1°) Pitch	Amphenol Communications Solutions	680001039E.F		Digikey	609-3461-ND
37		HDR_Female_1x10_2.54mm	2.54mm (0.11) Pitch SIL Vertical PC Tail Socket Assembly, sin, 10 contacts	Harwin	M20-7821046		Digikey	952-1847-ND
29	-	HDR_Female_1x6_2.54mm	2.54mm (0.1°) Pitch SIL Vertical PC Tail Socket Assembly, sin, 6 contacts	Harwin	M20-7820646	SIL.	Digikey	952-1809-ND
311, 312	2	M20-7820842	2.5-lenn (0.17) Pitch SIL Vertical PC Tail Socket Assembly, selective gold + tin, 8	Harwin	M20-7820842	SIL.	Digikay	952-1823-ND
LI		2.2uH	Inductor Power Shielded Muhi-Layer 2.2H 20% IMHz Metal 2.1A 0.0840hm DCR 1210 T/R	Munta	1217AS-H-2R2M:P2		Digikey	490-10592-1-ND
RI, R2, R14, R15, R28	5	560chms, 560R	Res General Purpose Thick Film 0805 500 Ohm 1% 1/6W a100ppm°C Molded Paper T/R SMD Chip Resistor, 100 kGhm, a1%, 125 mW, 0805 [2002 Metric], Thick Film, General Purpose	Yageo	RC0805FR-07560RL		Digikey	311-560CRCT-NE
R3	-	1000C Obun	SMD Chip Resistor, 100 kOhm, ± 1%, 125 mW, 0805 [2002 Metric], Thick Pilm, General Purpose			N05	Digikey	311-100KCRCT-N
R4, R16, R21, R22, R23, R24	6	10K	Metric], Thick Pilm, General Purpose SMD Chip Resistor, 10 kOhm, ± 1%, 125 mW, 0805 [2012 Metric], Thick Pilm, General Purpose	Yageo	RC0805FR-0710KL	805	Digikay	311-10.0KCBCT-N
R5, R18	2	1M	General Purpose SMD Chip Resistor, 1 Megaohrus, ± 1%, 125 mW, 0805 [2012 Metric], Thick Film, General Purpose	Yageo	RC0905FR-071ML	Molded	Putare Electronics	7283393
R6, R9, R10, R17, R25, R26, R27	7	RC0805FR-0722RL, 22ohm	General Purpose SMD Chip Resistor, 22 Ohm, a 1%, 125 mW, 0805 [2012 Metric], Thick Film, General Purpose				Digikay	311-22.0CRCT-NE
R7		CR.	General Purpose GENERAL PURPOSE CHIP RESISTOR Metal Glass thick Pilm, 0.125W, Oshra,	Yageo	RC080SJR-070RL	N25	Digikey	311-0.0ARCT-NE
R11, R12	2	1K	Surface Mount, 0005 SMD Chip Resistor, 1 kOhm, ± 1%, 125 mW, 0805 [2012 Metric], Thick Pilm,	Yagoo	RC0805FR-071KL	805	DigiKey	311-1.00KCRCT-N
RIS		1K	General Purpose SMD Chip Resistor, 1 kOhm, ± 1%, 125 mW, 0805 [2012 Metric], Thick Pilm, General Purpose	Yageo	RC0805FR-071KL	N05	DigiKey	311-1.00KCRCT-N
SCKT FOR UI		28_DBP_SOCKET	Socket DIP 28Cnts	3M	4828-3004-CP		Digikay	3M5480-ND
SW1, SW2	2	1825910-6	Duafwipe O31nSpc. PhosphorBoure Nickel KinkofTsil 4800Series 3M 4828- 3004-CP Alcowitch, Switch, Paubbatton, Tactile, SPST, 50mA, Thru Hole, 6mm TE. Connectivity PSM4IIII MCU 8-bit ATmega	TE Connectivity Alcorwich	1825910-6		Digikay	450-1650-ND
UI		ATmega169-PU_MUR	AVR RISC 16KB Flash 3.3V/5V 32-Pin	Microchip	ATMEGA16U2-MUR		Digikey	ATMEGA16U2- MURCT-ND
U2	1	296-24534-1-ND	LDO Regulator Pos 3.3V 1.5A 6- Pin(5+Tab) SOT-223 T/R	Texas Instruments	TL1963A-33DCQR	SOT-223-6	Digikey	296-24534-1-ND
U3, U5, U6, U7	4	SN74AHC1G09DBVR	and Reel LDO Regulator Pos 3.3V 1.5A.6- Pin(5+Tab) SOT-223 T/R 1-ch, 2-input 2-V to 5.5-V high-speed (9 ns) AND gate with open-drain outputs 5- SOT-23 -55 to 125	Texas Instruments	SN74ABC1G09DBVR	SOT-23	DigiKey	296-29202-1-ND
134		ATMEGA328F-PU	Microchip - ATMEGA328P-PU - Microcontroller Meu, 8 Bit, Atmega, 20MHZ, DIP-28	Rochester Electronics	ATMEGA328P-PU	PDIP	Digikey	ATMEGA328P-PU-
YI		ABM7-8.000MBZ-D2Y-T	Crystal SMBz Crystal SMBz 120ppm (Tol) 130ppm (Stablity) 18pF FUND 1000bm 2-Pin Mini-CSMD T/R	Abracon	ABM7-8.000MHZ-D2Y-T		Digikey	535-9831-1-ND
Y2		ABM3-10.000MHZ-D2Y-T	Crystal 10MHz s20ppm (Tol) s30ppm (Stability) 18pF FUND 600hm 2-Pin	Abracos	ABM3-10.000MHZ-D2Y-T		DigiKey	535-10631-1-ND
ZI, Z2	2	CG0603MLC-05ECT-ND	ESD Suppressor Multilayer Varietor 5V Automotive 2-Pin Case 0603(1608Metric)	Bourss	C00603MLC-05E	603	Digikey	CG0603MLC-05EC
			TR	Notes				