defcon_badge_v0.4.1_bom

Quantity	Designator	Comment	Description	Footprint	Manufacturer Part Number	Supplier Part Number 1	Supplier Part Number
32	C1, C4, C9, C13, C14, C15, C16, C18, C19, C21, C24, C26, C27, C28, C29, C30, C32, C35, C36, C37, C38, C39, C40, C41, C42, C43, C49, C50, C51, C52, C60, C61	GRM155R71E104KE14D	100 nF, 25 V, X7R, 0402 Chip capacitor	0402_capacitor	GRM155R71E104KE14D	490-10698-1-ND	
9	C2, C3, C5, C6, C7, C8, C10, C11, C12	CL05B103KA5NNNC	10 nF, 25 V, X7R, 0402 Chip capacitor	0402_capacitor	CL05B103KA5NNNC	1276-1057-2-ND	
11	C17, C23, C25, C31, C45, C46, C48, C53, C54, C57, C58	CL10A106MA8NRNC	10 µF, 25 V, X5R, 0603 Chip capacitor	0603_capacitor	CL10A106MA8NRNC	CL10A106MA8NRNC	
2	C22, C59	CC0402JRNPO9BN270	27 pF, 25 V, X7R, 0402 Chip capacitor	0402_capacitor	CC0402JRNPO9BN270	9741513	
2	C33, C66	GRM155R61E105KA12D	1 µF, 25 V, X5R, 0402 Chip capacitor	0402_capacitor	GRM155R61E105KA12D	490-10017-1-ND	
1	C34	CC0402JRNPO9BN300	30 pF, 50 V, C0G, 0402 Chip capacitor	0402_capacitor	CC0402JRNPO9BN300	311-1666-1-ND	
2	C44, C47	CL05A475KP5NRNC	4.7 µF, 10 V, X5R, 0402 Chip capacitor	0402_capacitor	CL05A475KP5NRNC	1276-1480-1-ND	
6	D1, D2, D3, D4, D6, D7	SS34FA	40 V, 3 A Schottky Rectifier, SOD-123FA	SOD-123	SS34FA	C719833	01AC9736
1	J1	SWD Debug	3-Pin JST-SH connector, 1mm pitch, right-angle SMD	SM03B-SRSS-TB	SM03B-SRSS-TB(LF)(SN)	C160403	
1	J2	Micro SD	Micro SD card holder	TF-115YY-BCP9	TF-115YY-BCP9	C5374810	
1	J4	HEADER_2x3_2.54MM	0.1" socket, 3x2, SMD	HEADER_2X3P_2.54MM	DW254S-22-06-85		
1	J5	Battery Connector	3-Pin JST-PH connector, 2mm pitch, right-angle SMD	S3B-PH-SM4-TB	S3B-PH-SM4-TB(LF)(SN)	C265101	
1	J6	USB-C	USB-C 2.0 Female Connector	USB_C_2.0_M12	TYPE-C-31-M-12	3588205	
1	J8	LCD: CH240QV23A-T	40-Pin, 0.5 mm pitch, bottom contact, flat flex connector for LCD CH240QV23A-T	CH240QV23A-T	0.5-40P XJH2.0 043	C5373441	
3	JP7, JP10, JP12	RC0402FR-070RL	0 O, 0402 Chip resistor (jumper)	0402_resistor	RC0402FR-070RL	RC0402FR-070RL	
1	L1	DFE252012F-3R3M=P2	3.3 µH, 1.8 A, 1008 Inductor	INDC2520X12N	DFE252012F-3R3M=P2	DFE252012F-3R3M=P2	
1	L2	252012CDMCDDS-1R0MC	1 µH, 4.2 A, 1008 Inductor	INDC2520X12N	252012CDMCDDS-1R0MC	308-2603-1-ND	
9	LED1, LED2, LED3, LED4, LED5, LED6, LED8, LED9, LED10	WS2812E-V5	1-wire addressable RGB LED	WS2812E-V5	WS2812E-V5	C2920042	
1	LED11	XL-1608SURC-06	Red LED, 1.9 - 2.3 V, 20 mA, 0603	0603_DIODE	XL-1608SURC-06	C965799	
1	LED12	XL-1608UGC-04	Green LED, 2.7 - 3.3 V, 20 mA, 0603	0603_DIODE	XL-1608UGC-04	C965804	
1	LS1	SMD-8503-3627-16	16 O, 8.5 mm x 8.5 mm, SMD speaker	8585_speaker	SMD-8503-3627-16	C2685545	
6	Q1, Q2, Q3, Q5, Q6, Q7	N-FET	N-FET, 30V, 5.7A, SOT-23-3	SOT95P280X115-3N	AO3400A	AO3400A	
1	Q4	P-FET	P-FET, 30V, 6A, SOT-23-3	SOT95P280X115-3N	AO3415A	C133233	AO3415A
6	R1, R7, R10, R13, R20, R39	RC0402FR-0710KL	10 kO, 0402 Chip resistor	0402_resistor	RC0402FR-0710KL	311-10.0KLRCT-ND	
7	R2, R5, R8, R11, R12, R22, R26	RC0402JR-071KL, Rset	1 kO, 0402 Chip resistor	0402_resistor	RC0402JR-071KL	311-1.0KJRCT-ND	
2	R3, R42	RC0402JR-0710RL	10 O, 0402 Chip resistor	0402_resistor	RC0402JR-0710RL	4524278	
6	R4, R6, R14, R15, R40, R41	RMCF0402FT27R0	27 O, 0402 Chip resistor	0402_resistor	RMCF0402FT27R0	RMCF0402FT27R0CT-ND	
2	R16, R17	RC0402FR-072K2L	2.2 kO, 0402 Chip resistor	0402_resistor	RC0402FR-072K2L	9737263	
2	R19, R45	RC0402FR-07442KL	442 kO, 0402 Chip resistor	0402_resistor	RC0402FR-07442KL	1075035	
5	R21, R24, R25, R37, R44	RC0402FR-07100KL	100 kO, 0402 Chip resistor	0402_resistor	RC0402FR-07100KL	6468466	
1	R23	RC0402FR-076K8L	6.8 kO, 0402 Chip resistor	0402_resistor	RC0402FR-076K8L	311-6.80KLRTR-ND	
2	R27, R28	0402WGF100KTCE	1 O, 0402 Chip resistor	0402_resistor	0402WGF100KTCE	C25086	
1	R29	RC0402FR-0790K9L	90.9 kO, 0402 Chip resistor	0402_resistor	RC0402FR-0790K9L	C163452	
4	R30, R31, R33, R34	RC0402FR-075K1L	5.1 kO, 0402 Chip resistor	0402_resistor	RC0402FR-075K1L	6053649	
2	R35, R36	RC0402FR-07220RL	220 O, 0402 Chip resistor	0402_resistor	RC0402FR-07220RL	4696860	
1	R43	RC0402FR-07390KL	390 kO, 0402 Chip resistor	0402_resistor	RC0402FR-07390KL	C163467	
12	SW1, SW2, SW3, SW4, SW5, SW6, SW7, SW8, SW9, SW10, SW11, SW12	Up, A, Reset, Down, B, Boot, Left, Start, FN, Right, Select, Power	Tactile switch, SPST	TSC015A08026B	TSC015A08026B		
1	U1	Microcontroller	Microcontroller, QFN-60	PQFN40P700X700X80_HS-61N	RP2350-A		
1	U2	IrDA Transceiver	IRDA MODULE 115.2KBPS 6SMD	ZHX1010	ZHX1010MV115TH	ZHX1010MV115TH-ND	
1	U4	3-Axis Accelerometer	3-Axis accelerometer, 16-bit, I2C/SPI, LGA-16	LGA50P300X300X100-16N	LIS3DHTR	C15134	LIS3DHTR
1	U5	32Mb Flash	32 Mb SPI flash memory	SOIC-8_wide	W25Q32JVSSIQ	W25Q32JVSSIQ	
1	U6	RTC	Real-Time Clock, I2C, SOIC-8	SOIC127P600X175-8N	PCF8563T/5,518	C7440	PCF8563T/5,518
1	U8	Buck	Buck converter, 2.5-5.5 Vin, 0.6 - 5.5 Vout, 2A, SOT-23-5	SOT95P280X115-5N	TLV62569DBVR	C141836	595-TLV62569DBVR
1	U9	Li+ Charger	Battery Charger, DFN-8(2x2)	SON50P200X80_HS-9N	LGS4056HDA	C5124109	
1	U10	USB TVS	TVS DIODE ARRAY SOT23-6	SOT95P280X110-6N	SRV05-4A	C260410	
1	U11	Resistive Touch Controller	Resistive Touch Controller	TSSOP50P490X112-10N	NS2009	C219024	
1	Y1	TAXM12M4RLBDDT2T	12 MHz, 10 ppm, 20 pF, 3225 Crystal	3225_crystal	TAXM12M4RLBDDT2T	C133334	
1	Y2	SC-20S,32.768KHZ,20PPM,12.5PF	32.768kHz Crystal, 12.5pf, 2012	2012_crystal	SC-20S,32.768KHZ,20PPM,12.5PF	C97607	