

Level	Perigon P/N	Mara Tech USA P/N
.1	LB300-6000-0A	660-000001-001
..2	LB5000-600-0A	280-000001-001
..2	LB5000-601-0B	280-000002-001
..2	LB5000-602-0C	615-000002-001
..2	LB5000-603-0A	280-000003-001
..2	LB5000-606-0A	220-000001-001
..2	LB5000-607-0C	220-000002-001
..2	LB5000-608-0A	700-000001-001
..2	LB5000-609-0A	700-000002-001
..2	LB5000-610-0A	700-000003-001
..2	LB5000-611-0A	515-000001-001
..2	LB5000-612-0B	280-000004-001
..2	LB5000-613-0A	700-000004-001
..2	LB5000-614-0A	295-000001-001
..2	LB5000-615-0A	
..2	LB5000-617-0A	
..2	LB5000-618-0A	
..2	LB5000-619-0A	
..2	LB100-3001-0D	250-000002-003
...3	LB5000-302-0A	615-000001-001
....4	LB5000-616-0D	100-000002-003
....4	BM03B-ACHFKS-GACN-ETF(LF)(SN)	240-000001-001
....4	USB4080-03-A	240-000002-001
....4	RC0201JR-075K1L	330-000015-001
....4	GRM033R61A104ME15D	341-000011-001
....4	CL03A105KP3NSNC	341-000012-001

....4	BQ24075RGTR	302-000002-001
....4	RC0201FR-070RL	330-000016-001
....4	RC0201FR-072K74L	330-000040-001
....4	RC0201FR-071K1L	330-000018-001
....4	BQ27441DRZT-G1A	302-000001-001
....4	CL03A474KQ3NNNC	341-000013-001
....4	CSS0201FT10L0	330-000019-001
....4	RC0201FR-0710KL	330-000020-001
....4	GRM155R60J106ME05D	341-000014-001
....4	QBLP595-O	301-000005-001
....4	RC0201FR-07180RL	330-000021-001
....4	RC0201FR-07100KL	330-000022-001
....4	QBLP595-IG	301-000006-001
....4	CP2102N-A02-GQFN20R	302-000003-001
....4	RC0201FR-0722K1L	330-000023-001
....4	RC0201FR-0747K5L	330-000024-001
....4	RC0201FR-071KL	330-000025-001
....4	TLV75901PDRVR	300-000005-001
....4	RC0201FR-071ML	330-000026-001
....4	RC0201FR-07200KL	330-000027-001
....4	GRM033R60J475ME05D	341-000015-001
....4	NX3L2467GU,115	361-000001-001
....4	TLC5947RHBR	304-000002-001
....4	RC0201FR-073K3L	330-000028-001
....4	NRF9160-SIAA-B1A-R	302-000004-001
....4	806-22-001-30-011191	306-000003-001
....4	CMT-5023S-SMT-TR	301-000009-001
....4	SIM8060-6-0-14-00-A	340-000001-001
....4	QBLP595-IW	301-000007-001

....4	EVP-AWCD4A	361-000002-001
....4	W25Q128JVEIQ	309-000001-001
....4	GJM1555C1HR60WB01D	341-000034-001
....4	RC0402FR-070RL	330-000029-001
....4	LQW18AN12NG80D	
....4	GJM1555C1HR20WB01D	341-000035-001
....4	LQW18AN10NG80D	
....4	LQW18AN8N7G80D	
....4	NN02-224	320-000001-001
....4	ST25R95-VMD5T	306-000002-001
....4	CC0201KRX5R8BB102	341-000019-001
....4	XRCGB27M120F3M00R0	342-000007-001
....4	GRM0335C1H6R0CA01D	341-000020-001
....4	GRM033R61E103MA12D	341-000021-001
....4	GZ1005D601CTF	330-000030-001
....4	NFM15PC105R0J3D	341-000022-001
....4	BLM21BD222TN1D	330-000031-001
....4	LQM21NNR56K10D	342-000008-001
....4	GRM0335C1H101FA01D	341-000023-001
....4	GRM0335C1H470JA01D	341-000024-001
....4	RC0201FR-07330RL	330-000032-001
....4	GRM0335C1H820JA01D	341-000025-001
....4	BM02B-ACHSS-GAN-ETF	
....4	IN-S66TBTRGB	301-000008-001
....4	HDT0204	

Description	Material	Color
Medesto Go - S1.0	-	White
Top Enclosure	PRL ABS FR (FR-8501)	
Bottom Enclosure	PRL ABS FR (FR-8501)	
Light Pipe Big	Lexan LUX7436C	
Button	PRL ABS FR (FR-8501)	
Battery (price from DTP on 05/10/23)	Lithium Ion Battery	
NFC Antenna	Antenna + Wire	
Top Box (Medesto Go)	Carboard	
Box Insert	Cardboard	
User Guide	Paper	
Product Box Label (Serial Number)	Sticker (1" x 1.25")	
Center Button Light Pipe	Lexan LUX7436C	
Shipping Box (Size - TBD)	Cardboard	
USB-C to USB Cord	Wire	
Product Label	Sticker (0.5" x 2.0")	
Master carton label	Sticker (4" x 6")	
Bottom Box		
Foam Pad	Doublesided Foam Pad	
PCBA 4.0	FR4 + Components	
SORACOM Air SIM card Nano SIM 12.3 x 8.8mm	SIM Card	
PCB - Medesto GO	FR4	
Connector Header Surface Mount, Right Angle 3 position		
24 Position 48 VDC 240 W USB Type C Horizontal USB 3.2 Receptacle Connector		
SMD Chip Resistor, 5.1 kOhm, $\hat{A}\pm 5\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose		
Multilayer Ceramic Capacitor, 0.1 uF, 10 V, $\hat{A}\pm 20\%$, X5R, 0201 [0603 Metric]		
Ceramic Capacitor, Multilayer, Ceramic, 10V, 10% +Tol, 10% -Tol, X5R, 15% TC, 1uF, Surface Mount, 02		

Standalone 1-cell 1.5-A linear battery charger, Power Path, 4.2-V VBAT and 5.5-V VOUT 16-VQFN -40 to 85	
Zero Ohm Resistor, Jumper, 0201 [0603Metric], Thick Film, 50 mW, 500 mA, Surface Mount	
SMD Chip Resistor, 2.74 kOhm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose	
SMD Chip Resistor, 1.1 kOhm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose	
System-side Impedance Track $\hat{A}$,c battery fuel (gas) gauge 12-SON -40 to 85	
Multilayer Ceramic Capacitor, 0.47 uF, 6.3 V, $\hat{A}\pm 10\%$, X5R, 0201 [0603 Metric]	
Resistor Current Sense Metal Alloy 0201 0.01ohm 1% 1/5W $\hat{A}\pm 200\text{ppm}/\hat{A}^{\circ}\text{C}$ Molded T/R	
SMD Chip Resistor, 10 kOhm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose	
Multilayer Ceramic Capacitor, 10 uF, 6.3 V, $\hat{A}\pm 20\%$, X5R, 0402 [1005 Metric]	
LED Uni-Color Orange 2-Pin Chip 0402(1006Metric) T/R	
SMD Chip Resistor, 180 Ohm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose	
SMD Chip Resistor, 100 kOhm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose	
LED Uni-Color True Green 2-Pin Chip 0402(1006Metric) T/R	
Tape & Reel (TR) S-XQCC-N20 UART USB 2.0 interface controller 3V~3.6V 3mm 9.5mA 1.5Mbps	
SMD Chip Resistor, 22.1 kOhm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose	
SMD Chip Resistor, 47.5 kOhm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose	
SMD Chip Resistor, 1 kOhm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose	
Adjustable Positive LDO Regulator, 0.55V Min, 5.5V Max, PDSO6	
SMD Chip Resistor, 1 MOhm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose	
SMD Chip Resistor, 200 kOhm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose	
GRM Series 4.7 $\hat{A}\mu\text{F}$ $\hat{A}\pm 20\%$ 6.3V X5R 0201 (0603 Metric) Ceramic Capacitor	
Analogue Switch, Dpdt, 4, 0.9 Ohm, 1.6V To 4.3V, Qfn, 16 Rohs Compliant: Yes	
24-channel, 12-bit PWM LED driver with internal Oscillator 32-VQFN -40 to 85	
SMD Chip Resistor, 3.3 kOhm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose	
Lte-M Modem, 2.2Ghz, 5.5V Rohs Compliant: Yes Nordic Semiconductor NRF9160-SIAA-B1A-R	
Headers & Wire Housings SMT SpringPin RmvlC ap H.236	
5 mm, 3 Vo-p, 80 dB, Surface Mount (SMT), Magnetic Audio Transducer Buzzer	
Conn SIM Card RCP 6 POS 1.27mm Solder RA SMD 0.5A T/R	
LED Uni-Color White 2-Pin Chip 0402(1006Metric) T/R	

Switch Tactile N.O. SPST Round Button Straight Terminal with Cutout 0.02A 15VDC 2.4N SMD T/R		
NOR Flash Serial (SPI, Dual SPI, Quad SPI) 3V/3.3V 128M-bit 16M x 8 6ns 8-Pin WSON EP Tray/Tube		
Multilayer Ceramic Capacitor, 0.6 pF, 50 V, $\hat{A}\pm 0.05\text{pF}$, C0G (NP0), 0402 [1005 Metric]		
Zero Ohm Resistor, Jumper, 0402 [1005 Metric], Thick Film, 63 mW, 1 A, Surface Mount		
Wirewound Inductor, 12 nH, 64 Milliohm, $\hat{A}\pm 2\%$, 5 GHz, 1.5 A, 0603 [1608 Metric]		
Multilayer Ceramic Capacitor, 0.2 pF, 50 V, $\hat{A}\pm 0.05\text{pF}$, C0G (NP0), 0402 [1005 Metric]		
Wirewound Inductor, 10 nH, 52 Milliohm, $\hat{A}\pm 2\%$, 4.75 GHz, 1.6 A, 0603 [1608 Metric]		
Ind Chip Wirewound 8.7nH 2% 0603 Paper T/R		
Antenna Unit For Mobile Frequency Bands		
NFC/RFID Tag and Reader 13.56MHz 2.7V to 5.5V 600uA 32-Pin VFQFPN T/R		
Multilayer Ceramic Capacitor, 0.001 uF, 6.3 V, $\hat{A}\pm 10\%$, X7R, 0201 [0603 Metric]		
Crystal Resonator 27.12MHz $\hat{A}\pm 30\text{ppm}$ (Tol) $\hat{A}\pm 40\text{ppm}$ (Stability) 6pF 150Ohm 4-Pin SMD T/R		
Multilayer Ceramic Capacitor, 6 pF, 50 V, $\hat{A}\pm 0.25\text{pF}$, C0G (NP0), 0201 [0603 Metric]		
Multilayer Ceramic Capacitor, 0.01 uF, 25 V, $\hat{A}\pm 20\%$, X5R, 0201 [0603 Metric]		
Ferrite Bead 600 Ohm 0402 1LN		
Cap Ceramic Monolithic 1uF 6.3VDC 20% SMD Paper T/R		
Ferrite Beads Multi-Layer 2.2KOhm 25% 100MHz 200mA 600mOhm DCR 0805 Paper T/R		
General Purpose Inductor, 0.56uH, 10%, 1 Element, Ferrite-Core, SMD, 0805		
Multilayer Ceramic Capacitor, 100 pF, 50 V, $\hat{A}\pm 1\%$, C0G (NP0), 0201 [0603 Metric]		
Multilayer Ceramic Capacitor, 47 pF, 50 V, $\hat{A}\pm 5\%$, C0G (NP0), 0201 [0603 Metric]		
SMD Chip Resistor, 330 Ohm, $\hat{A}\pm 1\%$, 50 mW, 0201 [0603 Metric], Thick Film, General Purpose		
Multilayer Ceramic Capacitor, 82 pF, 50 V, $\hat{A}\pm 5\%$, C0G (NP0), 0201 [0603 Metric]		
Board Connector, 2 Contact(s), 1 Row(s), Male, Straight, Surface Mount Terminal		
LED Tri-Color Blue/Green/Red Automotive 4-Pin Chip 0606 T/R		
HDT Series 1 mA 5 V Micro Mini SPST Off-Momentary Gull Wing Detect Switch		

Per Price	BOM Qty	MFG	MPN	Schematic Location	FCC ID
	1.0	Mara Tech USA	660-000001-001	2A8H7-LB300-6000	
	1	Quickparts	LB5000-600-0A		
	1	Quickparts	LB5000-601-0B		
	1	Quickparts	LB5000-602-0C		
	1	Quickparts	LB5000-603-0A		
	1	DTP	TBD		
	1	Taoglas	FXC.16.52.0075X.A.DG		
	1	Litpac Inc			
	1	Litpac Inc			
	1	Tepel			
	1	TBD			
	1	Quickparts	LB5000-612-0B		
	0.03	ULINE	S-19070		
	1	Adam Tech	CA#AN24343-1		
	1	Zebra	18943		
	0.03	TBD			
	1	Litpac Inc			
	1	TBD			
	1	Mara Tech USA			
	1	Soracom	SG002		
	1	ASI			
	1	JST	3B-ACHFKS-GACN-ETF(LF	BATT1	
	1	l Connector Techn	USB4080-03-A	J1	
	4	Yageo	RC0201JR-075K1L	R1, R2, R35, R36	
	7	Murata	GRM033R61A104ME15D	C1, C6, C8, C11, C16, C25, C29	
01	4	Samsung	CL03A105KP3NSNC	C2, C10, C24, C27	

85	1	Texas Instruments	BQ24075RGTR	U1	
	5	Yageo	RC0201FR-070RL	R3, R31, R32, R33, R34, R37, R38, R39	
	1	Yageo	RC0201FR-072K74L	R4	
	1	Yageo	RC0201FR-071K1L	R5, R11	
	1	Texas Instruments	BQ27441DRZT-G1A	U2	
	1	Samsung	CL03A474KQ3NNNC	C3	
	1	Jackpole Electronics	CSS0201FT10L0	R6	
	5	Yageo	RC0201FR-0710KL	R7, R9, R26, R27, R28, R40	
	4	Murata	GRM155R60J106ME05D	C4, C5, C7, C9	
	1	QT Brightek	QBLP595-O	LED1	
	1	Yageo	RC0201FR-07180RL	R8	
	1	Yageo	RC0201FR-07100KL	R10	
	2	QT Brightek	QBLP595-IG	LED2, LED3, LED4	
	1	Silicon Labs	CP2102N-A02-GQFN20R	U3	
	2	Yageo	RC0201FR-0722K1L	R12, R20	
	1	Yageo	RC0201FR-0747K5L	R13	
	3	Yageo	RC0201FR-071KL	R14, R15, R16	
	1	Texas Instruments	TLV75901PDRVR	U4	
	2	Yageo	RC0201FR-071ML	R17, R21	
	1	Yageo	RC0201FR-07200KL	R18	
	4	Murata	GRM033R60J475ME05D	C12, C13, C14, C15	
	1	XP Semiconducto	NX3L2467GU,115	SW1	
	1	Texas Instruments	TLC5947RHBR	U5	
	2	Yageo	RC0201FR-073K3L	R19, R25	2ANPO00NRF9160
	1	Nordic Semiconduct	NRF9160-SIAA-B1A-R	U6	
	16	Mill-Max	806-22-001-30-011191	PIN0, PIN1, PIN2, PIN3, PIN4, PIN5, PIN	
	1	CUI Devices	CMT-5023S-SMT-TR	BUZZ1	
	1	l Connector Techn	SIM8060-6-0-14-00-A	J2	
	15	QT Brightek	QBLP595-IW	LED5, LED6, LED7, LED8, LED9, LED10,	

	2	Panasonic	EVPAWCD4A	S1, S2	
	1	Winbond	W25Q128JVEIQ	U7	
	0	Murata	GJM1555C1HR60WB01D	C17	
	2	Yageo	RC0402FR-070RL	R22, R23, R24	
	1	Murata	LQW18AN12NG80D	L1	
	0	Murata	GJM1555C1HR20WB01D	C18	
	1	Murata	LQW18AN10NG80D	L2	
	1	Murata	LQW18AN8N7G80D	L3	
	1	Ignion	NN02-224	ANT2	
	1	STMicroelectronics	ST25R95-VMD5T	U8	
	1	Yageo	CC0201KRX5R8BB102	C20	
	1	Murata	XRCGB27M120F3M00R0	Y1	
	2	Murata	GRM0335C1H6R0CA01D	C21, C22	
	2	Murata	GRM033R61E103MA12D	C23, C28	
	2	Sunlord	GZ1005D601CTF	FB1, FB3	
	1	Murata	NFM15PC105R0J3D	C26	
	1	Murata	BLM21BD222TN1D	FB2	
	2	Murata	LQM21NNR56K10D	L5, L6	
	4	Murata	GRM0335C1H101FA01D	C30, C31, C32, C33	
	4	Murata	GRM0335C1H470JA01D	C34, C35, C36 C37	
	2	Yageo	RC0201FR-07330RL	R29, R30	
	1	Murata	GRM0335C1H820JA01D	C38, C39, C40	
	1	JST	BM02B-ACHSS-GAN-ETF	J3	
	2	Inolux	IN-S66TBTRGB	LED20, LED21	
	0	C&K Components	HDT0204	SW3	

Mara Comments

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