Technische specificaties WoTS Gadget 2022

Onderdeel	Type	Sponsor	Standnummer
Aan/uit switch	WS-SLSU Mini Slide Switch 6.7 x 2.7 mm	Wurth Elektronik	9A040
Batterij	DJ602535 3.7V 1.85Wh LiPo	Elincom electronics	9B049
Battery connector	E-tec CRR-102-SL125-99/R	Comdes Componenten	9B064
Buck converter	VDMM Variable Step Down MicroModule MagI³C Power Module	Wurth Elektronik	9A040
Charge IC	I# POW CHRG Li-ion/poly 1A LM3658SD WSON10	FHI	n.v.t.
Clock kristal	WE-XTAL Quartz Crystal CFPX-104; 5.0 x 3.2mm; 8.0 MHz	Wurth Elektronik	9A040
Condensatoren	Diverse	Alantys	9C051
D class versterker	I# AMP AUD 1W5 MONO CLASS D TSOT26 PAM8301AAF	FHI	n.v.t.
Diode	TVS Diode Array WE-TVS SOT23-6L	Wurth Elektronik	9A040
ESD bescherming voor USB	D# TVS 6V0 USB SOT23-6 WE-TVS 82400102	Wurth Elektronik	9A040
Ferrite bead	FI# BEAD 470E @100MHz 0A4 0603 WE742792643	Wurth Elektronik	9A040
LED	D# LED RGB 0A025 0W06 CA reverse mount 3216 WL-SFRW SMT	Wurth Elektronik	9A040
LED	D# LEDH AMBER 0A020 120MCD 0603 WL-SMSW	Wurth Elektronik	9A040
Micro USB-connector	J USB micro B FBS P 5 0.65mm	TOP-electronics	9B052
Microcontroller	I# MCU 32b 1M FL CORTEX-M4 320K SRAM LQFP100 STM32F413	Arrow electronics	9B029
Microfoon	# MC MEMS PDM 1dB 3.5x2.65 SPH0641LM4H-1 Morello	FHI	n.v.t.
Mosfet	Q# MF N 50V 0A2 SOT23 BSS138	Conrad Electronic	9A008
PCB	Custom made	Eurocircuits	9C090
Plexiglas	Custom made	Contecto	9C093
Plexiglas spacers	Kang Yang RCC-10 BLACK	Comdes Componenten	9B064
Pushbuttons	S# TCT S 6x6 160g H4.3	Schurter Electronics	9C026
RFID tag	I# ITF RFID/NFC 13.56MHz I2C SO8N ST25D	Arrow electronics	9B029
Speaker	EKULIT LSF-28M/NT-B	FHI	n.v.t.
Speaker connector	E-tec CRR-102-SK150/GO-99/R	Comdes Componenten	9B064
Speaker kabel	E-tec CAS-CC0002-0126	Comdes Componenten	9B064
Speakerklemmen	Kang Yang SR-6.5 BLACK	Comdes Componenten	9B064
USB kabel	USB 2.0 Kabel, A - MicroB, groen, 2m	2E Interconnection	9B044
Weerstanden	Diverse	DVC	n.v.t.