

GotT Translation Circuit BOM

Designator:	Quantity:	Cost:	Part Number:	Value:	Footprint:	Link:	Alternate Link:
U1	1	\$3.28	LM2594MX-3.3NCPB	3.3V, 500mA Switching Regulator		<a href="http://www.ti.com/lit/ds/symlinkhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Texas-Instruments/LM2594MX-33-NOPB/?qs=KLJ7HmVL2ZE4u3m8Q5hoQ==">http://www.ti.com/lit/ds/symlinkhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Texas-Instruments/LM2594MX-33-NOPB/?qs=KLJ7HmVL2ZE4u3m8Q5hoQ==</a>	
U2	1	\$0.36	SN74LVC1G34DBVR	Buffer, SOT-23-5		<a href="http://www.ti.com/lit/ds/symlinkhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Texas-Instruments/SN74LVC1G34DBVR/?qs=TBuDO7AaVXXjY5Qb2wcdg==">http://www.ti.com/lit/ds/symlinkhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Texas-Instruments/SN74LVC1G34DBVR/?qs=TBuDO7AaVXXjY5Qb2wcdg==</a>	
U3	1	\$0.60	FOD817D3SD	Optocoupler		<a href="https://www.fairchildsemi.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Fairchild-Semiconductor/FOD817D3SD/?qs=32VJUwvZ7Xa9Lc6ol43XQ==">https://www.fairchildsemi.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Fairchild-Semiconductor/FOD817D3SD/?qs=32VJUwvZ7Xa9Lc6ol43XQ==</a>	
U4	1	\$0.41	AP7313-18SAG-7	1.8V, 150mA LDO Regulator		<a href="http://www.diodes.com/_filehttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Diodes-Incorporated/AP7313-18SAG-7/?qs=ha2pyFaduJy/gnw%2B3XtPhBQ05nhtM987cdGDCE3x6s1BRWXYc%2B1Q==">http://www.diodes.com/_filehttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Diodes-Incorporated/AP7313-18SAG-7/?qs=ha2pyFaduJy/gnw%2B3XtPhBQ05nhtM987cdGDCE3x6s1BRWXYc%2B1Q==</a>	
U5							
U6	1	\$1.61	W25Q128FVSiG	Winbond 128Mb SPI NOR Flash		<a href="https://www.winbond.com/rhttps://www.digikey.com/product-search/en/integrated-circuits-ics/memory/2556980?k=w25q128fv&amp;k=&amp;pkeyword=w25q128fv&amp;pv16=7409&amp;mnoonly=0&amp;newproducts=0&amp;ColumnSort=0&amp;page=1&amp;stock=1&amp;quantity=0&amp;ptm=0&amp;fid=0&amp;pageSize=25">https://www.winbond.com/rhttps://www.digikey.com/product-search/en/integrated-circuits-ics/memory/2556980?k=w25q128fv&amp;k=&amp;pkeyword=w25q128fv&amp;pv16=7409&amp;mnoonly=0&amp;newproducts=0&amp;ColumnSort=0&amp;page=1&amp;stock=1&amp;quantity=0&amp;ptm=0&amp;fid=0&amp;pageSize=25</a>	
U7							
U8	1	\$19.66	WT32i-E-Ai6	WT32i BT Module, U.FL Antenna		<a href="http://www.mouser.com/ds/https://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Silicon-Labs-Bluegiga/WT32i-E-Ai6/?qs=sGAEpiMZZMs8jstQxqv0yeC3dKQ4sqf%2BU8bwDMPAJ4=">http://www.mouser.com/ds/https://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Silicon-Labs-Bluegiga/WT32i-E-Ai6/?qs=sGAEpiMZZMs8jstQxqv0yeC3dKQ4sqf%2BU8bwDMPAJ4=</a>	
Q1	1	\$2.25	FQP47P06	P-Channel Reverse Protection FET		<a href="https://www.fairchildsemi.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Fairchild-Semiconductor/FQP47P06/?qs=ha2pyFaduHv9rQ9SF5XHKyeyOie6xcG5n7IeMTI890=">https://www.fairchildsemi.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Fairchild-Semiconductor/FQP47P06/?qs=ha2pyFaduHv9rQ9SF5XHKyeyOie6xcG5n7IeMTI890=</a>	
Q2	1	\$0.88	IPD30N06S2L23ATMA3	N-Channel MOSFET		<a href="http://www.infineon.com/dghttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Infineon-Technologies/IPD30N06S2L23ATMA3/?qs=nKAUEXvmlA3z2VUC031Ag==">http://www.infineon.com/dghttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Infineon-Technologies/IPD30N06S2L23ATMA3/?qs=nKAUEXvmlA3z2VUC031Ag==</a>	
D1	1	\$0.24	1N4749A_T50A	MOSFET Zener Diode		<a href="http://www.fairchildsemi.cohttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Fairchild-Semiconductor/1N4749A_T50A/?qs=9H%2BTJFFCXR/U89fjSyjQ==">http://www.fairchildsemi.cohttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Fairchild-Semiconductor/1N4749A_T50A/?qs=9H%2BTJFFCXR/U89fjSyjQ==</a>	
D2	1	\$0.44	1N5819HW-7-F	Switching Rectifier Schottky Diode		<a href="http://www.diodes.com/_filehttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Diodes-Incorporated/1N5819HW-7-F/?qs=NQ47qNm99eDyWTEd07miYA==">http://www.diodes.com/_filehttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Diodes-Incorporated/1N5819HW-7-F/?qs=NQ47qNm99eDyWTEd07miYA==</a>	
D3	1	\$0.37	LG L29K-G2J1-24-Z	PWR LED (Green)		<a href="http://www.osram-os.com/Chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Osram-Opto-Semiconductor/LG-L29K-G2J1-24-Z/?qs=ha2pyFaduJpFoHoYnHK8u84Sh%2BBBQbo8L3gK2afekn5czm8naaMg==">http://www.osram-os.com/Chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Osram-Opto-Semiconductor/LG-L29K-G2J1-24-Z/?qs=ha2pyFaduJpFoHoYnHK8u84Sh%2BBBQbo8L3gK2afekn5czm8naaMg==</a>	
D4	1	\$0.35	LB Q39G-L200-35-1	CONN LED (Blue)		<a href="https://media.digikey.com/phttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Osram-Opto-Semiconductor/LB-Q39G-L200-35-1/?qs=ha2pyFaduJgdwYCa9BdM9SWHvYbJU5uqsKvsYGBR4ivEO9KLcpl57BBaJhTRZMg6">https://media.digikey.com/phttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Osram-Opto-Semiconductor/LB-Q39G-L200-35-1/?qs=ha2pyFaduJgdwYCa9BdM9SWHvYbJU5uqsKvsYGBR4ivEO9KLcpl57BBaJhTRZMg6</a>	
R1	1	\$0.10	CF14JT100K	MOSFET Resistor, 100K Ohm		<a href="http://www.seielect.com/calhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Ohmite/OK1045E-R52/?qs=sGAEpiMZZMsPqMdJzcrNwhqT%2B35FJjJoCucJszfIQ=">http://www.seielect.com/calhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Ohmite/OK1045E-R52/?qs=sGAEpiMZZMsPqMdJzcrNwhqT%2B35FJjJoCucJszfIQ=</a>	
R2	1	\$0.10	ERJ-3EKF8200V	PWR LED Resistor (820 Ohm), 0603		<a href="http://industrial.panasonic.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Panasonic/ERJ-3EKF8200V/?qs=ha2pyFaduJTBpDDZSypYYGuGtAbfvZyF2HHUYX9QFp3giBotQZgg==">http://industrial.panasonic.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Panasonic/ERJ-3EKF8200V/?qs=ha2pyFaduJTBpDDZSypYYGuGtAbfvZyF2HHUYX9QFp3giBotQZgg==</a>	
R3	1	\$0.10	ERJ-3EKF1000V	MOSFET Gate Current Limit Resistor, 1		<a href="http://industrial.panasonic.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Panasonic/ERJ-3EKF1000V/?qs=H7K1u0Mp9JS7i8KG05m47A==">http://industrial.panasonic.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Panasonic/ERJ-3EKF1000V/?qs=H7K1u0Mp9JS7i8KG05m47A==</a>	
R4, 7, 8	3	\$0.10	ERJ-3EKF1002V	Pull-up/Pull-down Resistors, 10K Ohm		<a href="http://industrial.panasonic.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Panasonic/ERJ-3EKF1002V/?qs=H7K1u0Mp9JSrGPQ5/5COuw==">http://industrial.panasonic.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Panasonic/ERJ-3EKF1002V/?qs=H7K1u0Mp9JSrGPQ5/5COuw==</a>	
R5	1	\$0.10	ERJ-3EKF2200V	Input Resistor 220 Ohm, 0603		<a href="http://industrial.panasonic.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Panasonic/ERJ-3EKF2200V/?qs=IbWfSfHVUAOcTUCNoJPNpnQ==">http://industrial.panasonic.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Panasonic/ERJ-3EKF2200V/?qs=IbWfSfHVUAOcTUCNoJPNpnQ==</a>	
R6							
F1	1	\$0.18	O2C30050AF2E	PTC Resettable Fuse		<a href="http://www.belfuse.com/pdfhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Bel-Fuse/O2C30050AF2E/?qs=SRYZG8HqKcGZFUWYkAerZ435ceU4=">http://www.belfuse.com/pdfhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Bel-Fuse/O2C30050AF2E/?qs=SRYZG8HqKcGZFUWYkAerZ435ceU4=</a>	
C1	1	\$0.89	EEE-FPV680XAP	68uF Input Bypass Capacitor		<a href="http://industrial.panasonic.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Panasonic/EEE-FPV680XAP/?qs=d1CqaRUMZD%2BB3Qnehdz%2BNA==">http://industrial.panasonic.chhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Panasonic/EEE-FPV680XAP/?qs=d1CqaRUMZD%2BB3Qnehdz%2BNA==</a>	
C2	1	\$1.39	TPSD107K016R0125	Output Capacitor, 100uF		<a href="http://datasheets.avx.com/https://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/AVX/TPSD107K016R0125/?qs=Ow%2BOiPmaJGaFh%2BHLq%2BNg==">http://datasheets.avx.com/https://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/AVX/TPSD107K016R0125/?qs=Ow%2BOiPmaJGaFh%2BHLq%2BNg==</a>	
C3, 6	2			0.1uF Filter Capacitors			
C4, 5	2			2.2uF Filter Capacitors			
C7	1			0.15uF Analog Filter Capacitor			
L1	1	\$3.24	PE-53820SNL	0.15uH Inductor		<a href="http://productfinder.pulseenhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Pulse/PE-53820SNL/?qs=sGAEpiMZZMsq%2B93WYiYK6KcGZFUWYkAerZ435ceU4=">http://productfinder.pulseenhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Pulse/PE-53820SNL/?qs=sGAEpiMZZMsq%2B93WYiYK6KcGZFUWYkAerZ435ceU4=</a>	
L2	1	\$0.10	MPZ1608S601ATA00	Ferrite Bead 600 Ohm at 100MHz		<a href="https://product.tdk.com/infohttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/TDK/MPZ1608S601ATA00/?qs=47dlwT2ZizthoCTKDyH9nrw==">https://product.tdk.com/infohttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/TDK/MPZ1608S601ATA00/?qs=47dlwT2ZizthoCTKDyH9nrw==</a>	
SW1	1	\$0.93	GF-123-0054	Power Switch		<a href="https://media.digikey.com/phttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/CW-Industries/GF-123-0054/?qs=n1d6TrdN45A9FY9ssLiLRzw==">https://media.digikey.com/phttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/CW-Industries/GF-123-0054/?qs=n1d6TrdN45A9FY9ssLiLRzw==</a>	
P1							
P2	1	\$0.53	1935174	Lights Screw Terminal, 01X03		<a href="https://media.digikey.com/phttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Phoenix-Contact/1935174/?qs=QWULKicAmSR8B7o4YouTA==">https://media.digikey.com/phttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Phoenix-Contact/1935174/?qs=QWULKicAmSR8B7o4YouTA==</a>	
P3	1	\$0.27	68000-103HLF	01X03 Male Header		<a href="http://portal.fciconnect.com/https://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/FCI/68000-103HLF/?qs=zn4O8xspOuyqPbhcuxdlw==">http://portal.fciconnect.com/https://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/FCI/68000-103HLF/?qs=zn4O8xspOuyqPbhcuxdlw==</a>	
P4							
PGT1	1	\$4.50	JF1R6-CR3-4i	U.FL (UMCC) to RP-SMA Female		<a href="http://www.digi.com/producthttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Digi-International/JF1R6-CR3-4i/?qs=ha2pyFaduims8tK6Us52r5eWOHgAet02us06mmiXyAypYrNpBxp1A==">http://www.digi.com/producthttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/Digi-International/JF1R6-CR3-4i/?qs=ha2pyFaduims8tK6Us52r5eWOHgAet02us06mmiXyAypYrNpBxp1A==</a>	
ANT1	1	\$5.00	001-0015	2.4 GHz u.FL Antenna		<a href="http://www.lsi.com/downloadhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/LSI-Research/001-0015/?qs=sGAEpiMZZMu8TKBKvsBmlP%2BmDojcpaG/vYhv39dlEWhHnZQU78Oagg==">http://www.lsi.com/downloadhttps://www.digikey.com/pnhttp://www.mouser.com/ProductDetail/LSI-Research/001-0015/?qs=sGAEpiMZZMu8TKBKvsBmlP%2BmDojcpaG/vYhv39dlEWhHnZQU78Oagg==</a>	

Cost/Board: \$12.60