

USB Keyboard Shield for VT100 Rev. 2.1: Shield Components

Ref	Qty	Value	Desc	Mouser P/N	Mouser URL
C1	1	.047uF	Capacitor	810-FA16COG2A473JRU6	https://www.mouser.com/ProductDetail/TDK/FA16COG2A473JRU6?qs=sGAEpiMZh
C2	1	6800pF	Capacitor	594-S682M43Z5UN63LOR	https://www.mouser.com/ProductDetail/Vishay-BC-Components/S682M43Z5UN63LOR?qs=sGAEpiMZh
J1	1	VT100_Kbd	5pin Header, angled	538-90121-0772	https://www.mouser.com/ProductDetail/Molex/22-28-6220?qs=sGAEpiMZh
J2	1	To_AMP	4pin Header, straight	(included)	
R1 R12	2	2k	1/4w Resistors	660-MF1/4LCT52R202J	https://www.mouser.com/ProductDetail/KOA-Speer/MF1-4LCT52R202J?qs=sGAEpiMZh
R2 R4	2	20k	1/4w Resistors	660-MF1/4LCT52R203J	https://www.mouser.com/ProductDetail/KOA-Speer/MF1-4LCT52R203J?qs=sGAEpiMZh
R3 R9 R10 R13 R14	5	10k	1/4w Resistors	660-MF1/4LCT52R103J	https://www.mouser.com/ProductDetail/KOA-Speer/MF1-4LCT52R103J?qs=sGAEpiMZh
R5	1	1M	1/4w Resistors	660-MF1/4LCT52R105J	https://www.mouser.com/ProductDetail/KOA-Speer/MF1-4LCT52R105J?qs=sGAEpiMZh
R6 R7 R11	3	1k	1/4w Resistors	660-MF1/4LCT52R102J	https://www.mouser.com/ProductDetail/KOA-Speer/MF1-4LCT52R102J?qs=sGAEpiMZh
R8 R16	2	4k7	1/4w Resistors	660-MF1/4LCT52R472J	https://www.mouser.com/ProductDetail/KOA-Speer/MF1-4LCT52R472J?qs=sGAEpiMZh
R15 R17	2	68k	1/4w Resistors	660-MF1/4LCT52R683G	https://www.mouser.com/ProductDetail/KOA-Speer/MF1-4LCT52R683G?qs=sGAEpiMZh
R18	1	47k	1/4w Resistors	660-MF1/4LCT52R473J	https://www.mouser.com/ProductDetail/KOA-Speer/MF1-4LCT52R473J?qs=sGAEpiMZh
RN1 RN2	2	680	Resistor Network	652-4607X-1LF-680	https://www.mouser.com/ProductDetail/Bourns/4607X-101-681LF?qs=sGAEpiMZh
SHIELD1	1	(PCB)	USB Keyboard Shield for VT100 PCB	(order separately)	
U1	1	LED10ARRAY	DIP 20pin (10 element) LED array	859-LTA-1000P	https://www.mouser.com/ProductDetail/Lite-On/LTA-1000P?qs=sGAEpiMZh
U2	1	LM393	Comparator	512-LM393N	https://www.mouser.com/ProductDetail/ON-Semiconductor-Fairchild/LM393N?qs=sGAEpiMZh
U3	1	74LS06N	OC Inverter TTL	595-SN74LS06N	https://www.mouser.com/ProductDetail/Texas-Instruments/SN74LS06N?qs=sGAEpiMZh
(U2 Socket)	1	8pin dip socket	IC Socket	474-PRT-07937	https://www.mouser.com/ProductDetail/SparkFun/PRT-07937?qs=sGAEpiMZh
(U3 Socket)	1	14pin dip socket	IC Socket	571-1-2199298-3	https://www.mouser.com/ProductDetail/TE-Connectivity/1-2199298-3?qs=sGAEpiMZh
U4	1	BUZZER	Piezo Buzzer, terminal pitch 7.6mm	490-CEP-1153	https://www.mouser.com/ProductDetail/CUI/CEP-1153?qs=sGAEpiMZh
J3, J4	2	Shield Header	1x6 pin headers, straight	571-3-826936-2	https://www.mouser.com/ProductDetail/TE-Connectivity-AMP/3-826936-2?qs=sGAEpiMZh
J5, J6	2	Shield Header	1x8 pin headers, straight	(included)	

USB Keyboard Shield for VT100 Rev. 2.1: Other Components

Name	Qty	Desc	Amazon URL #1	Amazon URL #2
Stereo cable	1	1/4-inch Stereo Plugs & Cable	https://www.amazon.com/Hosa-CSS-105-inch-SameBalanced-Interconnect/dp/B000068NYG	
Spin conn.	1	5 pin Connectors	https://www.amazon.com/uxcell-2-54mm-Pitch-Female-Adapter/dp/B00W948IDG	
Arduino Uno R3	1	Arduino Uno R3 or compatible	https://www.amazon.com/Arduino-A000066-ARDUINO-UNO-R3/dp/B01EWOE0UU/r	https://www.amazon.com/dp/B01EWOE0UU/r
USB Host Shield	1	USB Host Shield 2.0 or compatible	https://www.amazon.com/SainSmart-Android-Arduino-Mega2560-Duen	https://www.amazon.com/LM-YN-Arduino-Support-Android/dp/B0777D