

Bill Of Materials for Scale and Translate

Design Title Scale and Translate
Author Dustin Stroh (J3RK)
Document Number
Revision Rev 1.1
Design Created Tuesday, August 22, 2023
Design Last Modified Tuesday, August 22, 2023
Total Parts In Design 78

0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
-----------------	-------------------	--------------	------------------------	--------------

Sub-totals:

4 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
-----------------	-------------------	--------------	------------------------	--------------

2	C1-C2	3.3uF	CAP10	MLCC/Ceramic/Film Additional Power Filtering and Bulk Capacitance
1	C3	47pF	CAP10	C0G/NP0 MLCC or Film
1	C4	22pF	CAP10	C0G/NP0 MLCC or Film

Sub-totals:

17 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
-----------------	-------------------	--------------	------------------------	--------------

6	R1-R6	20K	RES40	1% (50 or 100 PPM) 1/4W Resistor
1	R7	33K	RES40	1% (50 or 100 PPM) 1/4W Resistor
2	R8-R9	10K	RES40	1% (50 or 100 PPM) 1/4W Resistor
8	R10-R17	100R	RES40	1% (50 or 100 PPM) 1/4W Resistor

Sub-totals:

5 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
-----------------	-------------------	--------------	------------------------	--------------

5	U1-U5	OPA2134PA	DIL08	Use Accurate / Low Drift / Low Bias / High Slew Dual Op Amps (OPA 2132 / OPA 2134 / LF412 / etc.)
---	-------	-----------	-------	---

Sub-totals:

0 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
-----------------	-------------------	--------------	------------------------	--------------

Sub-totals:

0 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
-----------------	-------------------	--------------	------------------------	--------------

Sub-totals:

52 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
-----------------	-------------------	--------------	------------------------	--------------

29	+12,-12,0V,3.5-1-3.5-4,A1-A6, B-1-B-4,I1-I6,IOUT,OUT,Q-1-Q-4	CONN-SIL1	CONN-SIL1	SIL PAD on PCB (To Panel)
10	BP1-BP10	100nF	0805	SMT 0805 C0G/NP0 Bypass/Decoupling Capacitors
2	FB1-FB2	0R	RES40	Ferrite Beads
8	IN1L,IN2L,IN3L,IN4L,IN5L,IN6L, IOL,OL	10K	CONN-SIL3	Panel Potentiometers Linear Taper
1	J1	SIL-156-04	SIL-156-04	MTA-156 Friction Lock Power Header
2	PF1-PF2	10uF	ELEC-RAD13	Power Filtering Electrolytic Capacitors

Sub-totals:

Totals:

Tuesday, August 22, 2023 12:24:19 PM