

Bill Of Materials for conversor-boost

Design Title conversor-boost
Author
Document Number
Revision
Design Created Tuesday, April 3, 2018
Design Last Modified Thursday, May 3, 2018
Total Parts In Design 39

0 Modules

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>PCB Package</u> |
|-----------------|-------------------|--------------|-------------------|--------------------|
|-----------------|-------------------|--------------|-------------------|--------------------|

Sub-totals:

9 Capacitors

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>PCB Package</u> |
|-----------------|-------------------|--------------|-------------------|--------------------|
|-----------------|-------------------|--------------|-------------------|--------------------|

| | | | | |
|---|-------|-------|------------------|-----------------------|
| 1 | C1 | 100nF | | CAP20 |
| 1 | C2 | 2n2 | Farnell 499-687 | 0805_CAP |
| 1 | C3 | 100U | Digikey P5152-ND | CAPPRD250W50D630H1270 |
| 2 | C4,C9 | 47n | Farnell 499-687 | 0805_CAP |
| 1 | C5 | 17n2 | Farnell 499-687 | 0805_CAP |
| 1 | C6 | 94p | Farnell 499-687 | 0805_CAP |
| 1 | C7 | 1n8 | Farnell 499-687 | 0805_CAP |
| 1 | C8 | 100U | Digikey P5193-ND | CAPPRD350W60D800H1300 |

Sub-totals:

13 Resistors

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>PCB Package</u> |
|-----------------|-------------------|--------------|-------------------|--------------------|
|-----------------|-------------------|--------------|-------------------|--------------------|

| | | | | |
|---|--------|------|--|----------|
| 2 | R1,R3 | 2k2 | | RES40 |
| 1 | R2 | 3k3 | | RES40 |
| 1 | R4 | 510k | | RES40 |
| 2 | R5,R14 | 1k | | RES40 |
| 1 | R6 | 3k8 | | RES40 |
| 1 | R7 | 56k | | 0805_RES |
| 1 | R8 | 1k | | 0805_RES |
| 1 | R9 | 2k2 | | 0805_RES |
| 1 | R11 | 4k7 | | 0805_RES |
| 1 | R12 | 75R | | 0805_RES |
| 1 | R13 | 10k | | 0805_RES |

Sub-totals:

1 Integrated Circuits

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>PCB Package</u> |
|-----------------|-------------------|--------------|-------------------|--------------------|
|-----------------|-------------------|--------------|-------------------|--------------------|

| | | | | |
|---|----|-------|--|--------------------|
| 1 | U1 | TL494 | | SOIC127P600X150-16 |
|---|----|-------|--|--------------------|

Sub-totals:

3 Transistors

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>PCB Package</u> |
|-----------------|-------------------|--------------|-------------------|--------------------|
|-----------------|-------------------|--------------|-------------------|--------------------|

| | | | | |
|---|----|---------|--|-------|
| 1 | Q1 | BC328 | | TO92 |
| 1 | Q2 | BC338 | | TO92 |
| 1 | Q3 | IRFZ44E | | TO220 |

Sub-totals:

3 Diodes

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>PCB Package</u> |
|-----------------|-------------------|--------------|-------------------|--------------------|
|-----------------|-------------------|--------------|-------------------|--------------------|

| | | | | |
|---|-------|-----------|--|---------|
| 2 | D1,D3 | DIODE-LED | | LED |
| 1 | D2 | SB260 | | DO201AD |

Sub-totals:

10 Miscellaneous

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>PCB Package</u> |
|-----------------|-------------------|--------------|-------------------|--------------------|
|-----------------|-------------------|--------------|-------------------|--------------------|

| | | | | |
|---|---------|-----------|------------------|-----------------------|
| 2 | CB1-CB2 | 47U | Digikey P5164-ND | CAPPRD200W50D500H1250 |
| 2 | J1,J4 | TBLOCK-I2 | | TBLOCK-I2 |
| 1 | J2 | IND_B | | CONN-SIL1 |
| 1 | J3 | IND_A | | CONN-SIL1 |
| 1 | L1 | 600uH | | NULL |
| 1 | LOAD | 19.2 | | NULL |
| 2 | NT1-NT2 | 0.001R | | 1206_RES |

Sub-totals:

Totals:

Thursday, May 3, 2018 10:22:26 PM