Item | Designator | Description | RefDes | Manufacturer | PartNumber | Quantity | Library Name | Supplier | Part Number 1 | Part Number 2
c0 | IPC01 | Printed Circuit Board | D | Any | TIA01539 | 1 | Hardware.IntLib | C1608X5R1C105K | Digi-Key | 445-1416-1|ND | Farrell | 1844208
2 | C1 | CAP, CERM, 1 µF, ±10%, X5R, 0603 | Y |read| C1608X5R1C105K | 1 | Capacitor_Ceramic.IntLib | C1608X5R1C105K | Digi-Key | 445-1416-1|ND | Farrell | 1844208
3 | C2 | CAP, CERM, 0.1 µF, 25 V, ± 10%, X7R, 0603 | W | TDK | C1608XR1E104K | 1 | Capacitor_Ceramic.IntLib | C1608XR1E104K | Digi-Key | 445-3116-1|ND | Farrell | 1844208
4 | C3 | CAP, CERM, 0.1 µF, 25 V, ± 10%, X7R, 0603 | Y | Kemet | C0603C102K | 1 | Capacitor_Ceramic.IntLib | C0603C102K | Digi-Key | 399-1083-1|ND | Newark | 110220
5 | C4 | CAP, CERM, 1 µF, ±10%, X5R, 0603 | W | TDK | C1608X5R1C105K | 1 | Capacitor_Ceramic.IntLib | C1608X5R1C105K | Digi-Key | 445-1416-1|ND | Farrell | 1844208
6 | C5 | CAP, CERM, 0.1 µF, 25 V, ± 10%, X7R, 0603 | Y | Kemet | C0603C102K | 1 | Capacitor_Ceramic.IntLib | C0603C102K | Digi-Key | 399-1083-1|ND | Newark | 110220
7 | C6 | CAP, CERM, 1 µF, ±10%, X5R, 0603 | Y | Kemet | C0603C102K | 1 | Capacitor_Ceramic.IntLib | C0603C102K | Digi-Key | 399-1083-1|ND | Newark | 110220
8 | C7 | CAP, CERM, 0.1 µF, 25 V, ± 10%, X7R, 0603 | W | TDK | C1608XR1E104K | 1 | Capacitor_Ceramic.IntLib | C1608XR1E104K | Digi-Key | 445-3116-1|ND | Farrell | 1844208
9 | C8 | CAP, CERM, 1 µF, ±10%, X5R, 0603 | Y | TDK | C1608X5R1C105K | 1 | Capacitor_Ceramic.IntLib | C1608X5R1C105K | Digi-Key | 445-1416-1|ND | Farrell | 1844208
10 | C9 | CAP, CERM, 0.1 µF, 25 V, ± 10%, X7R, 0603 | Y | Kemet | C0603C102K | 1 | Capacitor_Ceramic.IntLib | C0603C102K | Digi-Key | 399-1083-1|ND | Newark | 110220
11 | C10 | CAP, CERM, 1 µF, ±10%, X5R, 0603 | Y | Kemet | C0603C102K | 1 | Capacitor_Ceramic.IntLib | C0603C102K | Digi-Key | 399-1083-1|ND | Newark | 110220
12 | C11 | CAP, CERM, 0.1 µF, 25 V, ± 10%, X7R, 0603 | Y | Kemet | C0603C102K | 1 | Capacitor_Ceramic.IntLib | C0603C102K | Digi-Key | 399-1083-1|ND | Newark | 110220
13 | C12 | CAP, CERM, 1 µF, ±10%, X5R, 0603 | Y | Kemet | C0603C102K | 1 | Capacitor_Ceramic.IntLib | C0603C102K | Digi-Key | 399-1083-1|ND | Newark | 110220
14 | R1 | Resistors | N/A | NA | N/A | NA | Hardware.IntLib | CRCW0603300RJNEA | Digi-Key | 1844208
15 | R1 | Resistors, 100, 0.1% | N/A | NA | N/A | NA | Hardware.IntLib | CRCW0603300RJNEA | Digi-Key | 1844208
16 | R2 | Resistors | N/A | NA | N/A | NA | Hardware.IntLib | CRCW0603300RJNEA | Digi-Key | 1844208
17 | R3 | Resistors | N/A | NA | N/A | NA | Hardware.IntLib | CRCW0603300RJNEA | Digi-Key | 1844208
18 | J1 | Terminal Block, 2x1, 5.08mm, TH | J1 | Terminal Block, 2x1, 5.08mm, TH | TIA01539 | 1 | On-Store Technology | OSTA02163 | Digi-Key | 2258356-ND |
19 | J2 | Terminal Block, 2x1, 5.08mm, TH | J2 | Terminal Block, 2x1, 5.08mm, TH | TIA01539 | 1 | On-Store Technology | OSTA02163 | Digi-Key | 2258356-ND |
20 | J3 | Terminal Block, 2x1, 5.08mm, TH | J3 | Terminal Block, 2x1, 5.08mm, TH | TIA01539 | 1 | On-Store Technology | OSTA02163 | Digi-Key | 2258356-ND |
21 | J4 | Terminal Block, 2x1, 5.08mm, TH | J4 | Terminal Block, 2x1, 5.08mm, TH | TIA01539 | 1 | On-Store Technology | OSTA02163 | Digi-Key | 2258356-ND |
22 | J5 | Terminal Block, 2x1, 5.08mm, TH | J5 | Terminal Block, 2x1, 5.08mm, TH | TIA01539 | 1 | On-Store Technology | OSTA02163 | Digi-Key | 2258356-ND |
23 | J6 | Terminal Block, 2x1, 5.08mm, TH | J6 | Terminal Block, 2x1, 5.08mm, TH | TIA01539 | 1 | On-Store Technology | OSTA02163 | Digi-Key | 2258356-ND |
24 | J2 | Header, 100mil, 2x1, Gold, TH | J2 | Header, 100mil, 2x1, Gold, TH | TIA01539 | 1 | On-Store Technology | OSTA02163 | Digi-Key | 2258356-ND |
25 | J3 | Header, 100mil, 2x1, Gold, TH | J3 | Header, 100mil, 2x1, Gold, TH | TIA01539 | 1 | On-Store Technology | OSTA02163 | Digi-Key | 2258356-ND |
26 | J4 | Header, 100mil, 2x1, Gold, TH | J4 | Header, 100mil, 2x1, Gold, TH | TIA01539 | 1 | On-Store Technology | OSTA02163 | Digi-Key | 2258356-ND |
27 | J5 | Header, 100mil, 2x1, Gold, TH | J5 | Header, 100mil, 2x1, Gold, TH | TIA01539 | 1 | On-Store Technology | OSTA02163 | Digi-Key | 2258356-ND |
28 | J6 | Header, 100mil, 2x1, Gold, TH | J6 | Header, 100mil, 2x1, Gold, TH | TIA01539 | 1 | On-Store Technology | OSTA02163 | Digi-Key | 2258356-ND |
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<td>TPS2291QDBV7T</td>
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**Notes:**
- **TP7** to **TP17** are test points used for testing purposes.
- **U1, U2, U3** are load switches with specific electrical characteristics.
- **Texas Instruments** offers various integrated circuit (IC) solutions, including the **TPS2291** series.

**Manufacturers:**
- Digi-Key
- Keystone
- Mouser
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