

**Analog Devices**  
**LTC2688CUJ-18/-16/-12**

**Bill Of Materials**  
**DC2873A2-GENERAL BOM**  
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| Item | Qty | Reference        | Part Description                          | Manufacturer / Part #             | Kit Qty    |
|------|-----|------------------|---|-----------------------------------|------------|
|      |     |                  |   | <b>NUMBER OF BOARDS =</b>         | <b>330</b> |
| 1    | 4   | C1,C6,C7,C16     | CAP.,10uF,X5R,25V,10%,1206                | <b>MURATA, GRM31CR71E106KA12L</b> | 1320       |
| 2    | 12  | C2-C4,C8-C15,C17 | CAP.,0.1uF,X7R,25V,10%,0603               | MURATA, GRM188R71E104KA01D        | 3960       |
| 3    | 1   | C5               | CAP.,0.01uF,X7R,25V,10%,0603              | AVX, 06033C103KAT2A               | 330        |
| 4    | 3   | D1,D2,D3         | DIODE,SCHOTTKY,30V,200mA,SOT-23           | DIODES INC, BAT54C-7-F            | 990        |
| 5    | 31  | E1-E31           | TEST POINT,TURRET,0.064",MTG. HOLE        | MILL-MAX, 2308-2-00-80-00-00-07-0 | 10230      |
| 6    | 5   | JP1-JP5          | CONN., HDR, MALE, 1x3, 2mm, THT, STR      | Wurth Elektronik, 62000311121     | 1650       |
| 7    | 1   | J1               | CONN., HDR., MALE, 2x7, 2mm, THT, VERT    | MOLEX, 87831-1420                 | 330        |
| 8    | 1   | LED1             | LED,RED,CLEAR,3020 (1208)                 | ROHM, SML-012V8TT86               | 330        |
| 9    | 1   | Q1               | XSTR.,MOSFET, N-CHAN,60V,300mA,SOT-23     | VISHAY, 2N7002K-T1-E3             | 330        |
| 10   | 0   | R1,R10           | RES., 0603                                | OPT                               | 0          |
| 11   | 7   | R3-R9            | RES.,4.99k OHMS,1%,1/10W,0603             | VISHAY, CRCW06034K99FKEA          | 2310       |
| 12   | 1   | R11              | RES.,1k OHM,1%,1/10W,0603                 | VISHAY, CRCW06031K00FKEA          | 330        |
| 13   | 1   | U2               | IC,LOW NOISE, LDO MICROPOWER REG.,SOT23-5 | LINEAR TECH., LT1761ES5-5         | 330        |
| 14   | 1   | U3               | IC, MEMORY,EEPROM,2Kb (256x8),TSSOP8      | MICROCHIP, 24LC025-I/ST           | 330        |
| 15   | 5   | JP1-JP5 PINS 1&2 | CONN., SHUNT, FEMALE, 2 POS, 2mm          | Wurth Elektronik, 60800213421     | 1650       |
| 16   | 2   |                  | <b>STENCILS, DC2873A-2</b>                | <b>DC2873A-2</b>                  | 2          |

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**Bill Of Materials**  
**DC2873A2-ABC**  
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| <i>Item</i>       | <i>Qty</i> | <i>Reference</i> | <i>Part Description</i>                               | <i>Manufacturer / Part #</i> | <i>Kit Qty</i>                |
|-------------------|------------|------------------|---|------------------------------|-------------------------------|
| <b>DC2873A2-A</b> |            |                  |   |                              | <b>NUMBER OF BOARDS = 110</b> |
| 1                 | 1          |                  | DC2873A2-GENERAL BOM                                  |                              | 1                             |
| 2                 | 1          | U1               | I.C., 16-CH, 18-Bit, SPI +/-15V VOUT DAC, QFN40UJ-6X6 | LINEAR TECH., LTC2688CUJ-18  | 110                           |
| <b>DC2873A2-B</b> |            |                  |   |                              | <b>NUMBER OF BOARDS = 110</b> |
| 1                 | 1          |                  | DC2873A2-GENERAL BOM                                  |                              | 1                             |
| 2                 | 1          | U1               | I.C., 16-CH, 16-Bit, SPI +/-15V VOUT DAC, QFN40UJ-6X6 | LINEAR TECH., LTC2688CUJ-16  | 110                           |
| <b>DC2873A2-C</b> |            |                  |   |                              | <b>NUMBER OF BOARDS = 110</b> |
| 1                 | 1          |                  | DC2873A2-GENERAL BOM                                  |                              | 1                             |
| 2                 | 1          | U1               | I.C., 16-CH, 12-Bit, SPI +/-15V VOUT DAC, QFN40UJ-6X6 | LINEAR TECH., LTC2688CUJ-12  | 110                           |