

| ANALOG DEVICES | | | | | | |
|-----------------------------------|----------|-----------------|---|--------------------------------------|---|--------------|
| MANUFACTURING BILL OF MATERIALS | | | | | | |
| SKU# = DC2937A | | | | | | |
| IC NO. = LT8357EDE | | | | | | |
| PCA BOM = 700-DC2937A_REV02 | | | | | | |
| PCA ASS'Y DWG = 705-DC2937A_REV02 | | | | | | |
| PCA SCHEMATIC = 710-DC2937A_REV02 | | | | | | |
| Item Number | Quantity | Part Reference | Description | Manufacturer | Manufacturer PN | Value |
| 1 | 1 | C1 | CAP.,33uF,ALUM. ELECT.,.63V,20%,10x10.5mm SMD | SUN ELECTRONIC INDUSTRIES | 63HVH33M | 33uF |
| 2 | 5 | C2,C3,C5,C6,C7 | CAP.,10uF,X7S,100V,10%,1210 | MURATA | GRM32EC72A106KE05L | 10uF |
| 3 | 1 | C4 | CAP.,1uF,X7R,50V,10%,0603 | AVX YAGEO TAIYO YUDEN | 06035C105KAT2A CC0603KRX7R9BB105 UMK107AB7105KA-T | 1uF |
| 4 | 1 | C8 | CAP.,1000pF,C0G,50V,5%,0603,AEC-Q200 | TDK | CGA3E2C0G1H102J | 1000pF |
| 5 | 1 | C9 | CAP.,100pF,C0G,50V,5%,0603,AEC-Q200 | TDK | CGA3E2C0G1H101J | 100pF |
| 6 | 1 | C10 | CAP.,0.01uF,X7R,50V,10%,0603,AEC-Q200 | AVX MURATA | 06035C103K4T2A GCM188R71H103KA37D | 0.01uF |
| 7 | 1 | C11 | CAP.,0.1uF,X7R,50V,10%,0603,AEC-Q200 | TDK | CGA3E2X7R1H104K CGA3E2X7R1H104K080AA | 0.1uF |
| 8 | 1 | C12 | CAP.,2.2uF,X5R,50V,10%,0603 | TAIYO YUDEN MURATA | UMK107BBJ225KA-T GRM188R61H225KE11D | 2.2uF |
| 9 | 0 | C13 | CAP., OPTION, 0603 | | | OPT |
| 10 | 1 | D1 | DIODE,SCHOTTKY,60V,10A,TO277-3 | ON Semiconductor | FSV1060V | FSV1060V |
| 11 | 5 | E1,E2,E3,E4,E5 | TEST POINT,TURRET,0.094" MTG. HOLE,PCB 0.062" THK | MILL-MAX | 2501-2-00-80-00-00-07-0 | TEST POINT |
| 12 | 2 | J1,J2 | CONN.,BANANA JACK,FEMALE,THT,NON-INSULATED,SWAGE,0.218" | KEYSTONE | 575-4 | BANANA JACK |
| 13 | 1 | JP1 | CONN.,HDR,MALE,2x5,2mm,VERT,ST,THT | WURTH ELEKTRONIK | 62001021121 | HDR |
| 14 | 1 | JP2 | CONN.,HDR,MALE,1x3,2mm,VERT,ST,THT,NO SUBS. ALLOWED | Wurth Elektronik | 62000311121 | HDR |
| 15 | 1 | L1 | IND.,4.2uH,POWER CHOKE SHEILDED,15%,24A,3.04mOHMS,2013 | WURTH ELEKTRONIK | 7443630420 | 4.2uH |
| 16 | 1 | LB1 | LABEL SPEC, DEMO BOARD SERIAL NUMBER | BRADY | THT-96-717-10 | LABEL |
| 17 | 4 | MP1,MP2,MP3,MP4 | STANDOFF,NYLON,SNAP-ON,0.50" | KEYSTONE | 8833 | STANDOFF |
| 18 | 1 | PCB1 | PCB, DC2937A | EAGLE TECH. INC. | 600-DC2937A | PCB, DC2937A |
| 19 | 1 | Q1 | XSTR.,MOSFET,N-CHAN,60V,47A,8-pin TDSO | INFINEON | BSC094N06LS5ATMA1 | BSC094N06LS5 |
| 20 | 2 | R1,R8 | RES.,1M OHM,1%,1/10W,0603,AEC-Q200 | VISHAY VISHAY NIC PANASONIC | CRCW06031M00FKEA CRCW06031M00FKEC NRC06F1004TRF ERJ3EKF1004V | 1M |
| 21 | 1 | R2 | RES.,143k OHMS,1%,1/10W,0603,AEC-Q200 | PANASONIC | ERJ3EKF1433V | 143k |
| 22 | 1 | R3 | RES.,4.99 OHMS,1%,1/10W,0603,AEC-Q200 | VISHAY | CRCW06034R99FKEA | 4.99 |
| 23 | 1 | R4 | RES.,0 OHM,1/10W,0603,AEC-Q200 | VISHAY VISHAY NIC | CRCW06030000Z0EA CRCW06030000Z0EB NRC06ZOTRF | 0 |
| 24 | 1 | R5 | RES.,1 OHM,1%,1/10W,0603,AEC-Q200 | NIC | NRC06F1R00TRF | 1 |
| 25 | 1 | R6 | RES.,0.003 OHM,1%,1W,1508 LONG-SIDE TERM | VISHAY Susumu | CRCW06031R00FKEA RL3720WT-R003-F | 0.003 |

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| IC NO. = LT8357EDE | | | | | | |
| PCA BOM = 700-DC2937A_REV02 | | | | | | |
| PCA ASS'Y DWG = 705-DC2937A_REV02 | | | | | | |
| PCA SCHEMATIC = 710-DC2937A_REV02 | | | | | | |
| Item Number | Quantity | Part Reference | Description | Manufacturer | Manufacturer PN | Value |
| 26 | 1 | R7 | RES.,100k OHMS,1%,1/10W,0603 | STACKPOLE ELECTRONICS, INC. YAGEO | RMCF0603FG100K RC0603FR-07100KL | 100k |
| 27 | 1 | R9 | RES.,21.5k OHMS,1%,1/10W,0603 | VISHAY PANASONIC KOA SPEER | CRCW060321K5FKEA ERJ3EKF2152V RK73H1JTTD2152F | 21.5k |
| 28 | 1 | R10 | RES.,10k OHMS,1%,1/10W,0603,AEC-Q200 | VISHAY KOA SPEER PANASONIC | CRCW060310K0FKEA RK73H1JTTD1002F ERJ3EKF1002V | 10k |
| 29 | 1 | R11 | RES.,90.9k OHMS,1%,1/10W,0603,AEC-Q200 | VISHAY PANASONIC KOA SPEER | CRCW060390K9FKEA ERJ3EKF9092V RK73H1JTTD9092F | 90.9k |
| 30 | 0 | R12 | RES., OPTION, 0603 | NIC | NRC06F9092TRF | OPT |
| 31 | 1 | R13 | RES.,100k OHMS,1%,1/10W,0603,AEC-Q200 | VISHAY NIC PANASONIC | CRCW0603100KFKEA NRC06F1003TRF ERJ3EKF1003V | 100k |
| 32 | 1 | STNCL1 | TOOL, STENCIL, 700-DC2937A | ANALOG DEVICES | 830-DC2937A | TOOL, STENCIL, 700-DC2937 |
| 33 | 1 | U1 | IC,CURRENT MODE, DC/DC CONTROLLER,MSOP-12,WIDE INPUT RANGE | ANALOG DEVICES | LT8357EMSE#PBF | LT8357EMSE |
| 34 | 2 | XJP1,XJP2 | CONN.,SHUNT,FEMALE,2 POS,2mm | ANALOG DEVICES | LT8357EMSE#TRPBF | LT8357EMSE |
| | | | | Würth Elektronik | 60800213421 | SHUNT |
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