

TITLE: Customer Evaluation LTC7066, EVAL-LTC7066-AZ

BOM NO: 05-072558-01-b.csv

DATE: 04/18/2023

| ITEM# | Qty | DESCRIPTION                                                                      | VALUE                   | LOCATION                           | MFG                      | MFG_PN                  | DNI |
|-------|-----|----------------------------------------------------------------------------------|-------------------------|------------------------------------|--------------------------|-------------------------|-----|
| 2     | 2   | CAP CER 0.22uF 50V 10% X7R 0603 AEC-Q200                                         | 0.22uF                  | C1, C3                             | MURATA                   | GCM188R71H224KA64D      |     |
| 3     | 1   | CAP CER 1uF 25V 10% X7R 0603 AEC-Q200                                            | 1uF                     | C2                                 | MURATA                   | GRT188R71E105KE13D      |     |
| 6     | 1   | DIO SCHOTTKY 150V 1A SOD123HE AEC-Q101                                           | S115FP                  | D1                                 | ONSEMI                   | S115FP                  |     |
| 8     | 2   | TRAN MOSFET N-CH 150V                                                            | BSC074N15NS5ATMA1       | Q1, Q2                             | INFINEON<br>TECHNOLOGIES | BSC074N15NS5ATMA1       |     |
| 9     | 1   | RES SMD 10 Ohm 1% 1/10W 0603 AEC-Q200                                            | 10                      | R2                                 | PANASONIC                | ERJ-3EKF10R0V           |     |
| 10    | 1   | RES SMD 36.5K Ohm 1% 1/10W 0603 AEC-Q200                                         | 36.5K                   | R3                                 | PANASONIC                | ERJ-3EKF3652V           |     |
| 11    | 1   | RES SMD 51K Ohm 1% 1/10W 0603 AEC-Q200                                           | 51K                     | R4                                 | PANASONIC                | ERJ-3EKF5102V           |     |
| 12    | 6   | CONN-PCB SOLDER TERMINAL TURRETS                                                 | 2501-2-00-80-00-00-07-0 | TP1, TP2,<br>TP3, TP4,<br>TP5, TP6 | MILL-MAX                 | 2501-2-00-80-00-00-07-0 |     |
| 13    | 4   | CONN-PCB BANANA JACK                                                             | 575-4                   | TP7, TP8,<br>TP9, TP10             | KEYSTONE<br>ELECTRONICS  | 575-4                   |     |
| 14    | 3   | CONN-PCB TEST POINT COMPACT MINI                                                 | 5019                    | TP11, TP12,<br>TP13                | KEYSTONE<br>ELECTRONICS  | 5019                    |     |
| 15    | 1   | IC-ADI 150V HALF-BRIDGE DRIVER WITH FLOATING<br>GROUNDS AND ADJUSTABLE DEAD-TIME | LTC7066RMSE#PBF         | U1                                 | ANALOG DEVICES           | LTC7066RMSE#PBF         |     |

Mechanical Parts

| ITEM# | Qty | DESCRIPTION                              | VALUE | LOCATION | MFG      | MFG_PN | DNI |
|-------|-----|------------------------------------------|-------|----------|----------|--------|-----|
| 2     | 4   | STANDOFF, BRD SPT SNAP FIT 12.7MM LENGTH |       |          | KEYSTONE | 8833   |     |

The following components are part of the PCB or are NOT to be installed

| ITEM# | Qty | DESCRIPTION                                                                  | VALUE | LOCATION   | MFG            | MFG_PN             | DNI |
|-------|-----|------------------------------------------------------------------------------|-------|------------|----------------|--------------------|-----|
| 4     | 1   | CAP FILM 10UF 250V 10% 31X15.9MM, 27.5MM                                     | 10UF  | C4         | PANASONIC      | ECQE2106KF         | DNI |
| 5     | 3   | CAP CER 10UF 100V 10% X7S 1210                                               | 10UF  | C5, C6, C7 | MURATA         | GRM32EC72A106KE05L | DNI |
| 7     | 1   | IND POWER SHIELDED WIREWOUND 10UH 10%<br>500KHZ 30A 0.00205 OHM DCR AEC-Q200 | 10UH  | L1         | COILCRAFT INC. | SER2915H-103KL     | DNI |