



















HV MC+ HV BATTERY+ HU MC-R51_U_HV Sense1 R47_U_HWR456entsetWR55entsetWR56entletUV 4_U_H.W.455e_Nbs.d-1200,455e_Nbs.d-1200,457e_Nbs.d Sense1 C(4()) ^{ပူ 6} ဝဝဝဝ ·400400> 00000 **30 00022 ***** PDOC • 60 CBC (1) PDOC TEMP AMP OUT TP1 000 000 000 000

PRIMARY INTERFACE HV IMD+ HV IMD+ HV IMD+

| Comment | Description | Designator | Footprint | LibRef |
|----------------------|-----------------------|----------------------------------|---------------------|----------------------|
| 0mm | | 2, 4, 5V TP, AIR-FE | SMD Test Point | SMD Test Point |
| 2.54mm | | | TH 2.54mm Header | TH 2.54mm Heade |
| 2.54mm | | BOOT1 | TH 2.54mm Header | TH 2.54mm Heade |
| 10nF | | C 1, C4 | 1206 | GCM3195C2A103JA |
| 100nF | | C2, C3, C6, C8, C16 | 0805 | GCM21BR71E104K |
| 10uF | | C5, C7, C14, C18, C | | GRM 21BR6YA 106K |
| 22pF | | C 9. C 19. C 20. C 40. | | GCM21B5C1H220J |
| 100oF | | C 10, C 11, C 12, C13 | | GCM21B5C1H101J |
| 22uF | | C 15, C27 | 1206 | C C 1206MKX5R7BB |
| 68uF | | C21 | 2924 | TAJV 686K035RNJ |
| 22uF | | C22 | 2924 | TAJV 226K050RNJ |
| 10nF | | C31 U HV Sense1. | | GCM21BR71H103k |
| 1uF | | C 42, C 44, C45 | 0805 | GCM21BR71A105K |
| 22uF | | C49 | 0805 | GRM21BR61A226N |
| Blue | IED BILLE CLEAR 3 | CAN RX INDC1, CAN | | SML-MN2BCTT86C |
| 56R | LED DEDE CHERK A | CAN TERM RI. CAN | | RC 0805FR0756RL |
| SD560BTR | 1 2V F ADDV SA SMI | D1, D2, D4, D6, D8, | | SD560BTR |
| O range | O range LED Indicati | | 0805 LED | SML-211DTT86 |
| Green | | D9, D11, D13, D15 | | SML-21101186 |
| Red | | ID16, D17, D18, D19 | | SML-210F1186 |
| OZCF 0100AF2A | PTC RESET FUSE 6 | | 2920 | 0ZCF0100AF2A |
| | PIC KESET FUSE 0 | | | |
| 39300020 39300080 | | HV BATTERY-, HV IMD INTERFACE | 39300020 | 39300020 39300080 |
| | CV DDDT Dalar 24 C | | | |
| | 5V DPDT Relay 3A 2 | | TI 2-DIL | V 23105A5475A201 |
| 12uH | | L1 | 1812 | RLS-126 |
| 10K (NTC) (B25/85 | 343UK) | PCB NTC1 | 0805 | NTCS0805E3103FL |
| 2.54mm | | PDOC NTC1 | TH 2.54mm Header | |
| 39300240 | | PRIMARY INTERFACE | | 39300240 |
| 2N7002K | | Q1, Q2, Q3, Q4, Q6 | | 2N7002K |
| STD70N10F4 | N-Channel 100V 60 | | SOT-343_N | STD70N10F4 |
| 0R | | R1 | 0805 | RC 0805FR070RL |
| 680R | | R2, R10, R18, R27, R | | RC 0805FR07680RL |
| 510R | | R3, R55, R56 | 0805 | RC 0805FR07510RL |
| 20k | | R4, R7, R8, R9, R12, | | RC 0805FR0720KL |
| 10k | | R5, R20, R53_U_HV | 0805 | RC 0805FR0710KL |
| 1.5k | | R6, R13, R15, R22, R | | RC 0805FR071K5L |
| 1k | | R11, R14, R16, R17 | | PWR263S-35-1001. |
| 10M | | R21 | 0805 | RC 0805FR0710ML |
| 5.6k | | R40, R43, R49_U_H | 0805 | RC 0805FR075K6L |
| 330K | | R44_U_HV Sense1, | | MMA 02040C3303F |
| 10K (V ar) | | R48_U_HV Sense1, | B 3296 | 3296W-1-103LF |
| 10K | | R51_U_HV Sense1, | VB 0204 | MMA 02040C1002F |
| 30k | | R52_U_HV Sense1, | 0805 | RC 0805FR0730KL |
| 2k | | R62 | 0805 | RC 0805FR072KL |
| 3k | | R63, R73 | 0805 | RC 0805FR073KL |
| 5.1k | | R70. R71 | 0805 | RC 0805FR075K1L |
| 2.54mm | | SERIAL1 | TH 2.54mm Header | |
| 2.54mm | | STLINK1 | TH 2.54mm Header | |
| A DM3053 | Isolated C A N Trans | | AD SO IC-W 20 | A DM3053 |
| B82787C0104H002 | 100µH @ 100kHz 2 L | | TDK 4-PC Pad | B82787C0104H002 |
| NUP2105L | Dual Line C A N Bus F | | ON SOT-23 BJT | NUP 2105L |
| R-78C5.0-1.0 | CONV DC/DC 1A 5V | | RECOM 3-SIP | R-78C5.0-1.0 |
| JTC 0424S05 | DC DC CONVERTER | | 24-DIP Module, 7 Le | |
| A DU M 3221ARZ | 4A Gate Driver Mag | | AD 8-SOIC | A D U M 3221ARZ |
| A D U M 322 I A R Z | | | | |
| | 25V 50ma Ontocour | 1110 1111 11114 1115 | | TTV 0175 TA1 |

35V 50ma OptocoupiU9, U11, U14, U15, ON 4SMD RELAY REED HV SP U10 CI SPST

AD 16-SOIC

General Purpose Digi U 16

LTV-817S-TA1 3350-1275-056

A DuM 1400

LTV-817S-TA1

A DuM 1400