



MATING PART  
P/N : ZBA1010-002210

| REV. | ECN NO | OR DESCRIPTION  | REVISED | DATE       |
|------|--------|-----------------|---------|------------|
| A    |        | PRODUCT RELEASE | JASON   | 2011.06.14 |

- SPECIFICATIONS:**
- 1. ELECTRICAL CHARACTERISTICS:**
- 1-1. RATING: 60V DC 60A
  - 1-2. CONTACT RESISTANCE: 3 mΩ MAX. (PIN+/PIN- INITIAL)
  - 1-3. CONTACT RESISTANCE: 10m Ω MAX. (DETECT PIN INITIAL)
- 2. MECHANICAL CHARACTERISTICS:**
- 2-1. INSERTION FORCE : 10 KGF Max. (INITIAL)
  - 2-2. WITHDRAWAL FORCE : 10.0 KGF Max. (INITIAL)
- 3. LIFE TEST: 5,000 CYCLES MIN.**
- 3-1. AFTER LIFE TEST CONTACT RESISTANCE: 6 mΩ MAX. (PIN+/PIN- )
  - 3-2. AFTER LIFE TEST CONTACT RESISTANCE: 20 mΩ MAX. (DETECT PIN )
- 4. OTHER GENERAL SPEC. TO REFER "ZBA1011-002210H SPEC."**
- 5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.**
- 6. GREEN PRODUCT IDENTIFICATION MARK ON JACK: ♻️**
- 7. PRODUCT IDENTIFICATION LABEL ON PACKAGING: **RoHS****
- 8. PACKAGING: BAG**

BATTERY CONNECTOR WIRE DIAGRAM

SPRING(+) → RED (UL1028 8AWG)

SPRING(-) → BLACK (UL1028 8AWG)

|    |                  |     |                                      |                 |
|----|------------------|-----|--------------------------------------|-----------------|
| J  | HEAT SHRINK TUBE | 2   | L=20                                 | BLACK COLOR     |
| I  | HEAT SHRINK TUBE | 2   | L=20                                 | RED COLOR       |
| H  | R-TERMINAL       | 2   | OD 12 ID 5.3 (R8-5)                  | TIN PLATING     |
| G  | WIRE             | 1   | UL1028 8AWG                          | RED COLOR       |
| F  | WIRE             | 1   | UL1028 8AWG                          | BLACK COLOR     |
| E  | DETECT PIN       | 4   | COPPER ALLOY                         | GOLD PLATING    |
| D  | PIN(-)           | 1   | COPPER ALLOY                         | SILVER PLATING  |
| C  | PIN(+)           | 1   | COPPER ALLOY                         | SILVER PLATING  |
| B  | COVER            | 1   | HIGH TEMP. THERMOPLASTIC<br>UL 94V-0 | BLACK COLOR     |
| A  | HOUSING          | 1   | HIGH TEMP. THERMOPLASTIC<br>UL 94V-0 | BLACK COLOR     |
| NO | DESCRIPTION      | QTY | MATERIAL                             | PLATING & COLOR |

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: ANGLES:

X : ±0.5 X : ±.2

X.X : ±0.3 X.X : ±.1

X.XX : ±0.2

Singatron Enterprise Co., Ltd.  
信晉企業股份有限公司

TITLE: BATTERY CONNECTOR+WIRE

DWN: JASON 2011.7.15 PART NO. ZBA1011-002210H

CHKD: ANEBA 2011.7.18 SCALED: 1:1 UNIT: mm

APVD: ANEBA 2011.7.18 SIZE: A3 SHEET: 1 OF 1 REV: A

CUSTOMER COPY