



| REV. | ECN NO. | OR DESCRIPTION | REVISED | DATE       |
|------|---------|----------------|---------|------------|
| A    | PDR NO: | S170309-3A     | CERRY   | 2017.12.07 |
| B    | ECN NO: | A180608-C      | JTT     | 2018.06.13 |
| C    | ECN NO: | S202011-C25    | JY      | 2020.12.21 |

**SPECIFICATIONS:**

**1. ELECTRICAL CHARACTERISTICS:**

- 1-1. RATING: DC48V/30A
- 1-2. CONTACT RESISTANCE: 2 Ω MAX.(WITH CABLE)
- 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR ONE MINUTE.
- 1-4. INSULATION RESISTANCE: 50M Ω MIN. MEASURED BY 500 VDC

**2. MECHANICAL CHARACTERISTICS:**

- 2-1. INSERTION/WITHDRAWAL FORCE : 0.6 kgf Min. (INITIAL)
- 3. TEMPERATURE RISE CAN'T EXCEE 60C (ONLY FOR CONNECTOR SIDE)
- 4. LIFE TEST: 5000 CYCLES MIN.
- 5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- 6. GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING: **GR-PLAST**
- 7. MATCH WITH SINGATRON BATTERY FEMALE CONN.2BA3W01-000114H
- 8. WATERPROOF RATING: IPX7(WHEN PROPERLY MATED)

|    |               |     |                          |                           |
|----|---------------|-----|--------------------------|---------------------------|
| F  | OVER MOLD     | 1   | PLASTIC                  | BLACK                     |
| E  | INNER MOLD    | 1   | PLASTIC                  | NATURE                    |
| D  | GASKET        | 1   | SILICONE                 | BLACK                     |
| C  | CABLE         | 1   | 2*2.5mm <sup>2</sup> PVC | BLACK                     |
| B  | DISCHARGE PIN | 2   | BRASS                    | 4g 60u" Min OVER 50u" Ni. |
| A  | HOUSING       | 1   | THERMOPLASTIC            | BLACK                     |
| 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

| TITLE                | BATTERY DISCHARGE CONN. WITH CABLE |
|----------------------|------------------------------------|
| DWN                  | JY                                 |
| CHKD                 | CERRY                              |
| APVD                 | WILLIAM                            |
| <b>CUSTOMER COPY</b> |                                    |

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| NO.  | WIRE COLOR | WIRE SPEC.         |
|------|------------|--------------------|
| Pin1 | RED        | 2.5mm <sup>2</sup> |
| Pin3 | BLACK      | 2.5mm <sup>2</sup> |