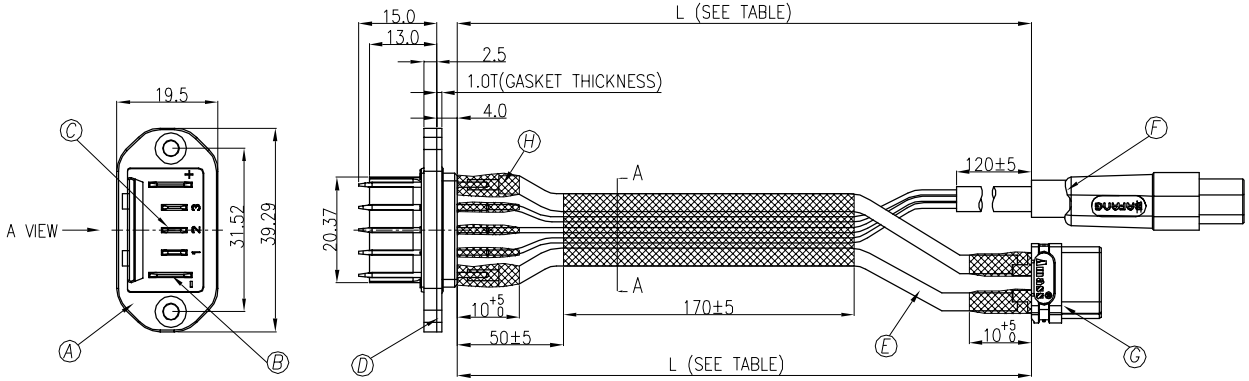
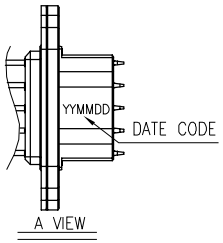
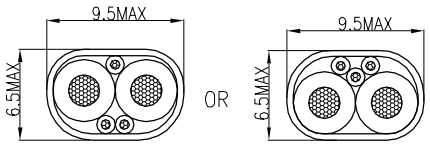
| REV. | ECN NO OR DESCRIPTION | REVISED | DATE |
|---|---|---|---|
| A | PDR NO:A190710-5A | JY | 2019.07.19 |



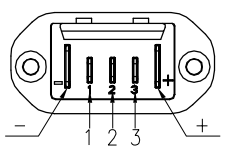

SECTION A-A

SPECIFICATIONS:

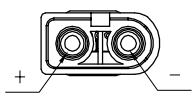
1. ELECTRICAL CHARACTERISTICS:
   1-1. RATING:DC48V,20A
   1-2. CONTACT RESISTANCE: 20mΩ MAX.(FOR CONNECTOR)
   1-3. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR ONE MINUTE.
   1-4. INSULATION RESISTANCE: 50MΩ MIN. MEASURED BY 500 VDC
2. MECHANICAL CHARACTERISTICS:
   2-1. INSERTION/WITHDRAWL FORCE : 6N~60N
3. TEMPERATURE RISE CAN'T EXCEED 30°C (FOR CONNECTOR)
4. LIFE TEST: 1500 CYCLES MIN.
5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING: G.P. PASS

| CONN.1 | CONN.2 | CONN.3 | WIRE SPEC. | WIRE LENGTH(L) |
|---|---|---|---|---|
| 1 | | 3 | RED(28AWG,PVC) | 300±5 |
| 3 | | 2 | BLUE(28AWG,PVC) | |
| 2 | | 1 | BLACK(28AWG,PVC) | |
| + | + | | RED(13 AWG,SILICONE) | |
| − | − | | BLACK(13AWG,SILICONE) | |

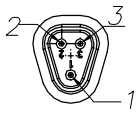
PIN OUT




CONN.1




CONN.2




CONN.3

Pin Assignments
Front View

| NO | DESCRIPTION | QTY | MATERIAL | PLATING & COLOR |
|---|---|---|---|---|
| H | HEAT SHRINK TUBE | 8 | POLYOLEFIN | BLACK |
| G | CONNECTOR | 1 | AMASS,XT60U-F | N/A |
| F | CONNECTOR+CABLE | 1 | HIGO 3PIN HARNESS | N/A |
| E | WIRE | 2 | 13AWG,SILICONE | BLACK&RED |
| D | GASKET | 1 | RUBBER | BLACK |
| C | SIGNAL TERMINAL | 3 | BRASS | Ni PLATING |
| B | POWER TERMINAL | 2 | BRASS | Ni PLATING |
| A | HOUSING | 1 | THERMOPLASTIC | BLACK |

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS:
X :±0.5
X.X :±0.3
X.XX :±0.2

ANGLES:
X :±2°
X.X :±1°

Suzhou Singatron Auto Electronics CO.,LTD.
蘇州信音汽車電子有限公司

| | | | | |
|---|---|---|---|---|
| TITLE | MALE BATTERY CONN. HARNESS | | | |
| DWN | JY | PART NO. 2BW3021-W05R01H | | |
| CHKD | JF | SCALE:N/A | UNIT: mm | |
| APVD | JF | SIZE: A3 | SHEET:1 OF 1 | REV: A |

CUSTOMER COPY

文件編號 RD-06-043-A