



PIN ASSIGNMENTS
FRONT VIEW

- NOTES:
- ELECTRICAL CHARACTERISTICS:
 - 1-1 CURRENT RATING: 20 AMPS.
 - 1-2 CONTACT RESISTANCE: 30 mOhm Max.
 - 1-3 INSULATION RESISTANCE: 100 MOhm Min. at 500VDC.
 - 1-4 BREAKDOWN VOLTAGE: 1000 VAC PER MINUTE.
 - MECHANICAL CHARACTERISTICS:
 - 2-1 TIGHTENING TORQUES: 0.8~1.0Nm(7.08~8.85lbf.in.)
 - 2-2 MECHANICAL CHARACTERISTICS: CONTACT ACCOMMODATION: 14~16 AWG.
 - ENVIRONMENTAL:
 - 3-1 OPERATING TEMPERATURE: -40°C TO +105°C.
 - 3-2 SEALING REQUIREMENTS: IP67.
 - LIFE TEST: 1,000 CYCLES MIN.
 - OTHER GENERAL SPEC. TO REFER "CIRCULAR SERIES GENERAL SPEC."
 - FOR TECHNICAL DATA REFER TO YOUR LOCAL SINGATRON ELECTRONICS SALES OFFICE.
 - ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED.
 - TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
 - GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING: .

| E | LIQUID GLUE | 1 | N/A | BLACK |
|---|----------------------------|---------------|-----------------|--|
| D | NUT | 1 | PA66+GF | BLACK |
| C | GASKET | 1 | EPDM | BLACK |
| B | FEMALE PIN | 3 | Phosphor Bronze | 1~3u" GOLD PLATING OVER NICKEL PLATING |
| A | BODY | 1 | PA66+GF | BLACK |
| NO | DESCRIPTION | QTY | MATERIAL | PLATING & COLOR |
| UNLESS OTHERWISE SPECIFIED TOLERANCES | | | | |
| Singatron Enterprise Co., Ltd. 信登企業股份有限公司 CIRCULAR MIDDLE SIZE (SOLDER/LOCK TYPE) MALE CONN. FEMALE 3PIN(20A) REAR MOUNT | | | | |
| DECIMALS: | ANGLES: | | | |
| X : ±0.5 | X : ±2° | | | |
| X.X : ±0.3 | X.X : ±1° | | | |
| X.XX : ±0.2 | | | | |
| TITLE | PART NO.: 20CM3137-W03800H | | | |
| DWN | Shown | SCALE 2:1 | UNIT: mm | |
| CHKD | Harlen | SIZE: A3 | SHEET: 1 OF 1 | REV: A |
| APVD | Quan | CUSTOMER COPY | | |

| REV. | ECN NO OR DESCRIPTION | REVISED | DATE |
|------|-----------------------|---------|------------|
| A | PDR NO.:S131125-8B | Shown | 2014.05.09 |