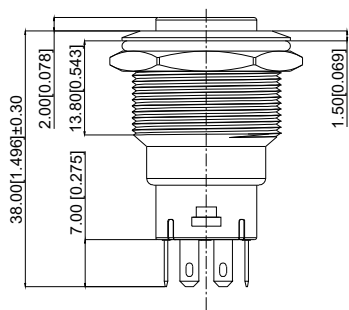
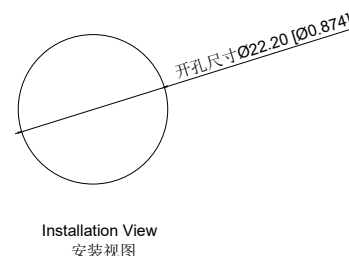


Single color electrical schematic diagram  
单色电气原理图



Installation View  
安装视图

|     |      |          |             |       |
|-----|------|----------|-------------|-------|
| A4  |      |          |             |       |
| A3  |      |          |             |       |
| A2  |      |          |             |       |
| A1  |      |          |             |       |
| REV | DATE | REVISION | DESCRIPTION | ISSUE |



| COMMON TOLERANCE |        |
|------------------|--------|
| X.XX             | ± 0.10 |
| X.X              | ± 0.15 |
| X                | ± 0.25 |
| ANGULAR          | —      |

|          |        |            |                         |
|----------|--------|------------|-------------------------|
| UNIT     | MM     | PROJECTED  | PRODUCT NAME:           |
| DRAWN BY | FUYUAN | CHECKED BY | MODEL NO: TP92212G224GS |
| DATE     | 2019   | APPROVAL B | Https: www.roc pu. tw   |

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| A   |                                                                                                                                                                | B |  | C |  | D |  | E |  | F |  | G |     |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|---|--|---|--|---|--|---|--|---|-----|
| 1   | 性能参数                                                                                                                                                           |   |  |   |  |   |  |   |  |   |  |   | 1   |
|     | 1. Heating current: Ui: AC250V, lth: 5A<br>发热电流: Ui: AC250V, lth: 5A                                                                                           |   |  |   |  |   |  |   |  |   |  |   |     |
|     | 2. Rated current:3A/DC36V<br>额定电流:3A/DC36V                                                                                                                     |   |  |   |  |   |  |   |  |   |  |   |     |
| 2   | 3. Power-frequency withstand voltage:2000V1min<br>工频耐压:2000V1min                                                                                               |   |  |   |  |   |  |   |  |   |  |   | 2   |
|     | 4. Insulation resistance:≥1000MΩ<br>绝缘电阻 :≥1000MΩ                                                                                                              |   |  |   |  |   |  |   |  |   |  |   |     |
|     | 5. Contact resistance:≤50mΩ<br>接触电阻 :≤50mΩ                                                                                                                     |   |  |   |  |   |  |   |  |   |  |   |     |
| 3   | 6. Pressing stroke:2.50mm ± 0.10<br>按压行程:2.50mm ± 0.10                                                                                                         |   |  |   |  |   |  |   |  |   |  |   | 3   |
|     | 7. Contact stroke:1.50mm±0.10<br>接触行程 :1.50mm±0.10                                                                                                             |   |  |   |  |   |  |   |  |   |  |   |     |
|     | 8. Nut assembly torque:5-14N<br>螺帽装配力矩:5-14N                                                                                                                   |   |  |   |  |   |  |   |  |   |  |   |     |
| 4   | 9. Protection level:IP67<br>防护等级:IP67                                                                                                                          |   |  |   |  |   |  |   |  |   |  |   | 4   |
|     | 10. Explosion prevention level: IK10<br>防暴等级: IK10                                                                                                             |   |  |   |  |   |  |   |  |   |  |   |     |
|     | 11. Working environment temperature: -20 ℃~+55 ℃<br>工作环境温度: -20 ℃~+55 ℃                                                                                        |   |  |   |  |   |  |   |  |   |  |   |     |
| 5   | 12. Compression torque: ≤6N<br>按压扭力: ≤6N                                                                                                                       |   |  |   |  |   |  |   |  |   |  |   | 5   |
|     | 连接形式                                                                                                                                                           |   |  |   |  |   |  |   |  |   |  |   |     |
|     | 1. Welding temperature of wire: 320 ± 20 ℃<br>线材焊接温度: 320±20℃<br>Wire welding duration: less than 3 seconds<br>线材焊接时长: 时长3秒以下                                  |   |  |   |  |   |  |   |  |   |  |   |     |
| 6   | 2. Can be used with dedicated connectors:<br>可配专用接插件使用:                                                                                                        |   |  |   |  |   |  |   |  |   |  |   | 6   |
|     | 2.1 1NO1NCSwitch function wire: green (C) blue wire (NO) yellow wire (NC)<br>1NO1NC开关功能线材: 绿色(C) 蓝线 (NO) 黄线 (NC)                                               |   |  |   |  |   |  |   |  |   |  |   |     |
|     | 2.2 2NO2NC switch function wire: green black wire (C), blue black wire NO, yellow white wire NC<br>2NO2NC开关功能线材: 绿黑线 (C)、蓝黑线NO、黄白线NC                           |   |  |   |  |   |  |   |  |   |  |   |     |
| 7   | 2.3 LED functional wire: red wire positive pole black wire negative pole LED without distinguishing positive and negative poles<br>LED功能线材: 红线正极 黑线负极 LED不分正负极 |   |  |   |  |   |  |   |  |   |  |   | 7   |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 8   |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 8   |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 9   |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 9   |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 10  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 10  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 11  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 11  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 12  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 12  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 13  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 13  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 14  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 14  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 15  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 15  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 16  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 16  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 17  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 17  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 18  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 18  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 19  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 19  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 20  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 20  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 21  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 21  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 22  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 22  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 23  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 23  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 24  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 24  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 25  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 25  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 26  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 26  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 27  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 27  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 28  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 28  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 29  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 29  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 30  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 30  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 31  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 31  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 32  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 32  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 33  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 33  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 34  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 34  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 35  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 35  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 36  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 36  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 37  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 37  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 38  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 38  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 39  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 39  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 40  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 40  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 41  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 41  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 42  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 42  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 43  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 43  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 44  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 44  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 45  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 45  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 46  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 46  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 47  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 47  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 48  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 48  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 49  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 49  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 50  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 50  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 51  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 51  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 52  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 52  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 53  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 53  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 54  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 54  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 55  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 55  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 56  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 56  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 57  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 57  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 58  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 58  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 59  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 59  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 60  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 60  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 61  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 61  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 62  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 62  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 63  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 63  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 64  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 64  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 65  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 65  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 66  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 66  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 67  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 67  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 68  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 68  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 69  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 69  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 70  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 70  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 71  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 71  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 72  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 72  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 73  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 73  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 74  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 74  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 75  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 75  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 76  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 76  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 77  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 77  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 78  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 78  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 79  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 79  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 80  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 80  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 81  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 81  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 82  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 82  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 83  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 83  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 84  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 84  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 85  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 85  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 86  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 86  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 87  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 87  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 88  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 88  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 89  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 89  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 90  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 90  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 91  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 91  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 92  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 92  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 93  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 93  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 94  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 94  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 95  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 95  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 96  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 96  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 97  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 97  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 98  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 98  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 99  |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 99  |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 100 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 100 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 101 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 101 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 102 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 102 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 103 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 103 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 104 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 104 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 105 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 105 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 106 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 106 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 107 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 107 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 108 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 108 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 109 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 109 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 110 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 110 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 111 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 111 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 112 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 112 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 113 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 113 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 114 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 114 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 115 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 115 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 116 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 116 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 117 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 117 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 118 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 118 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 119 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 119 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 120 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 120 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 121 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 121 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 122 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 122 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 123 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 123 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 124 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 124 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 125 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 125 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 126 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 126 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 127 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 127 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 128 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 128 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 129 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 129 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 130 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 130 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 131 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 131 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 132 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 132 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 133 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 133 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 134 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 134 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 135 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 135 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 136 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 136 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 137 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 137 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 138 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 138 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 139 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 139 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 140 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 140 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 141 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 141 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 142 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 142 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 143 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 143 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 144 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 144 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 145 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 145 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 146 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 146 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 147 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 147 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 148 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 148 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 149 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 149 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 150 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 150 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 151 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 151 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 152 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 152 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 153 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 153 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 154 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 154 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 155 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 155 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 156 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 156 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 157 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 157 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 158 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 158 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 159 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 159 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 160 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 160 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 161 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 161 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 162 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 162 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 163 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 163 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 164 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 164 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 165 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 165 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 166 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 166 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 167 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 167 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 168 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 168 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 169 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 169 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 170 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 170 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 171 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 171 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 172 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 172 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 173 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 173 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 174 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 174 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 175 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 175 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 176 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 176 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 177 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 177 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 178 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 178 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 179 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 179 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 180 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 180 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 181 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 181 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 182 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 182 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 183 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 183 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 184 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 184 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 185 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 185 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 186 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 186 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 187 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 187 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 188 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 188 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 189 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 189 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 190 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 190 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 191 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 191 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 192 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 192 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 193 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 193 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 194 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 194 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 195 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 195 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 196 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 196 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 197 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 197 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 198 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 198 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 199 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 199 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 200 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 200 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 201 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 201 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 202 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 202 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 203 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 203 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 204 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 204 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 205 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 205 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 206 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 206 |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
|     |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   |     |
| 207 |                                                                                                                                                                |   |  |   |  |   |  |   |  |   |  |   | 207 |

|          |                          |   |  |                     |  |           |  |                    |  |   |  |   |  |
|----------|--------------------------|---|--|---------------------|--|-----------|--|--------------------|--|---|--|---|--|
| A        |                          | B |  | C                   |  | D         |  | E                  |  | F |  | G |  |
| 材质参数     |                          |   |  |                     |  |           |  |                    |  |   |  |   |  |
| 10       | luminous zone<br>发光区     |   |  | PC<br>塑胶            |  | 1         |  |                    |  |   |  |   |  |
| 9        | LEDpin<br>LED引脚          |   |  | Brass<br>黄铜         |  | 1         |  | Silvering<br>镀银    |  |   |  |   |  |
| 8        | Base<br>底座               |   |  | PA46                |  | 1         |  |                    |  |   |  |   |  |
| 7        | Pin<br>引脚                |   |  | Brass<br>黄铜         |  | 1         |  | gold-plating<br>镀金 |  |   |  |   |  |
| 6        | Contact material<br>接触材质 |   |  | silver alloy<br>银合金 |  | 1         |  | Silvering<br>镀银    |  |   |  |   |  |
| 5        | LED Base<br>LED底座        |   |  | PC<br>塑胶            |  | 1         |  |                    |  |   |  |   |  |
| 4        | Arm nut<br>固定螺帽          |   |  | Brass<br>黄铜         |  | 1         |  | nickeling<br>镀镍    |  |   |  |   |  |
| 3        | Oring<br>O型圈             |   |  | Silica gel<br>硅胶    |  | 1         |  |                    |  |   |  |   |  |
| 2        | Housing<br>外壳            |   |  | SUS<br>不锈钢          |  | 1         |  |                    |  |   |  |   |  |
| 1        | Key<br>按键                |   |  | SUS<br>不锈钢          |  | 1         |  |                    |  |   |  |   |  |
| NO<br>序号 | Part name<br>部件名         |   |  | Material<br>材料      |  | QTY<br>数量 |  | Remark<br>备注       |  |   |  |   |  |

|                                                                                                                                                          |      |          |             |                                                                                                                     |                           |      |            |        |                      |                                                                                       |                         |       |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-------------|---------------------------------------------------------------------------------------------------------------------|---------------------------|------|------------|--------|----------------------|---------------------------------------------------------------------------------------|-------------------------|-------|---------|
| A4                                                                                                                                                       |      |          |             |  <div>台普</div> <div>ROCPCU</div> | COMMON TOLERANCE          |      | UNIT       | MM     | PROJCTED             |  | PRODUCT NAME:           |       |         |
| A3                                                                                                                                                       |      |          |             |                                                                                                                     |                           |      | DRAWN BY   | FUYUAN | CHECKED BY           | COCO                                                                                  | MODEL NO: TP92212G224GS |       |         |
| A2                                                                                                                                                       |      |          |             |                                                                                                                     | DATE                      | 2019 | APPROVAL B | ALEN   | Https: www.rocpcu.tw |                                                                                       |                         |       |         |
| A1                                                                                                                                                       |      |          |             |                                                                                                                     | ROCPCU TECHNOLOGY CO.,LTD |      |            |        |                      |                                                                                       |                         |       |         |
| REV                                                                                                                                                      | DATE | REVISION | DESCRIPTION |                                                                                                                     |                           |      |            |        |                      |                                                                                       |                         | ISSUE | ANGULAR |
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| A                                                                                                                                                        |      | B        |             | C                                                                                                                   |                           | D    |            | E      |                      | F                                                                                     |                         | G     |         |