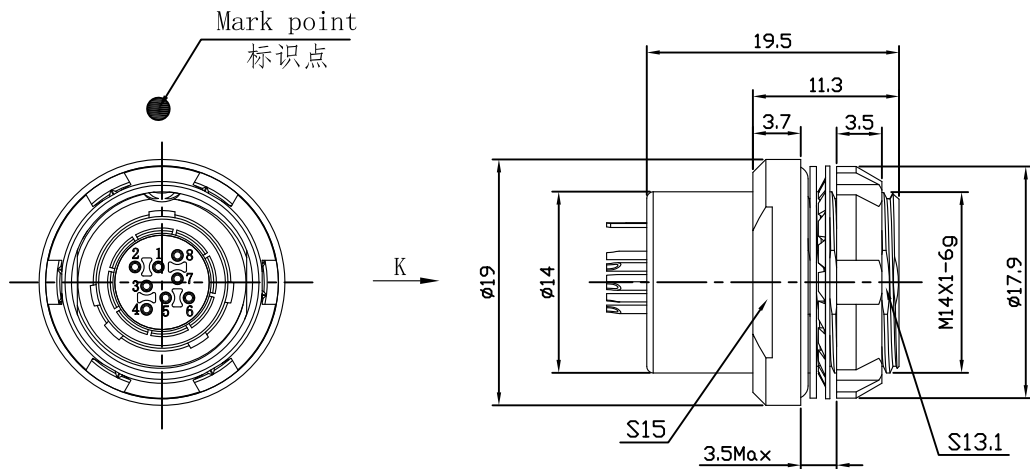


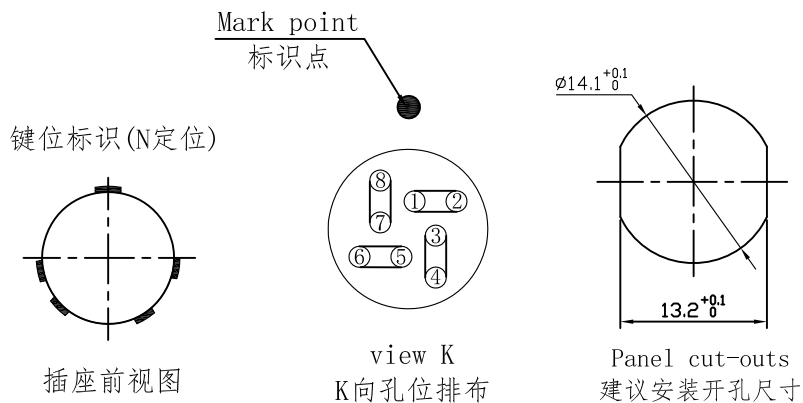
| | | | |
|--------|------------------|---------|-------------|
| REV/版本 | DESCRIPTION/变更内容 | DATE/日期 | DRAWN BY/绘图 |
| | | | |

- 1) Product main performance/产品主要性能指标:
- Operating Temperature/工作温度: -55°C~200°C
 - Humidity(max)/最大潮湿: <=95% [at 60 deg C / 140 F]
 - Shielding /屏蔽性能: 55dB(1GHz)
 - Salt Spray Corrosion/盐雾: 96hr
 - P op (max)/最大环境压力: 60 bar (870 psi)
 - Insert Configuration/针芯配置: 8芯 接点代码: 051
 - Pin Size/接触件直径: $\phi 0.5\text{mm}$
 - R (Max)/接触电阻: $\leq 15\text{m}\Omega$
 - Differential transmission rate/差分传输速率: 2.5Gbps
 - Insulation resistance/绝缘电阻: 5000M Ω
 - Withstand voltage/耐电压: 750V
 - Rated Current/额定电流: 1.8A



- 2) Mechanical data/机械特性:
- Vibration/振动: 1.0G²/Hz, 均方根值36.6G, $\leq 1\mu\text{s}$ 瞬断
 - Shock Resistance/冲击: 加速度2940m/s², $\leq 1\mu\text{s}$ 瞬断
 - Endurance (Shell)/机械寿命: 5000+

- 3) Other Specification/其它规格:
- Contact PIN/接触件: Gold plated Tin bronze/锡青铜镀金
 - Housing Material/外壳材质: Dark nickel plated brass/铜镀哑镍
 - Other metal spare parts/其余金属件: Nickel plated brass/铜镀镍
 - Insulator material/绝缘材料: PEEK
 - IP Rating/防护等级: IP68(2m水深24h) 插合状态
 - *ALL MATERIALS ARE RoHS COMPLIANT/所有材料均符合RoHS要求



| 孔位 | 信号定义 |
|----|--------|
| 1 | DATA1+ |
| 2 | DATA1- |
| 3 | DATA2+ |
| 4 | DATA2- |
| 5 | DATA3+ |
| 6 | DATA3- |
| 7 | DATA4+ |
| 8 | DATA4- |

型号命名 → FX·1031·Z02·C·051·B1·N-H 1

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|--|-------------------------------|
| 主型号/ FX系列微圆形连接器 | 有接地片 1 无接地片 0 |
| 壳体代码/101-102-103 -1031-104-105-106 | 接触件端接形式/焊接H, 印制板接B, 弯式印制板W |
| 插头插座形式/ T02-插头 Z02-插座 | 键位/N-A-B-C |
| 外壳材质及镀层/ 铜合金镀珍珠铬(CC) 铜合金镀哑镍(C) 铝合金镀哑镍(F) 铝合金镀珍珠铬(XC) | 接触件形式/ 插针-A1, 插孔-B1 |
| | 接点代码/ 051、052、054、056 |

| | | |
|--|------------------------|---|
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 未标注尺寸公差: ± 0.1 未标注角度公差: $\pm 0.5^\circ$ | FIRST ANGLE PROJECTION | Product name/产品名称 FX1031 Receptacle FX1031固定式插座(万兆网) |
| | SIZE: A4 | |
| | SCALE: 1: 1 | SHEET: 1 OF 1 |
| DRAWN BY: 绘图: PD04 | DATE/日期: 2022-02-14 | QW NO 料号: FX1031Z02C051B1N-H1 |
| CHECKED BY: 审核: PD02 | DATE/日期: 2022-02-14 | DRAWING NO 图号: A1 |
| APPROVED BY: 核准: PD02 | DATE/日期: 2022-02-14 | CUSTOMER NO 客户料号: |
| QM(Quanna) Connector Shenzhen Co. LTD 深圳市全马连接器有限公司 | | |