



MIL-DTL-32139 Nano D-sub Connectors

R06 Straight to PCB Series

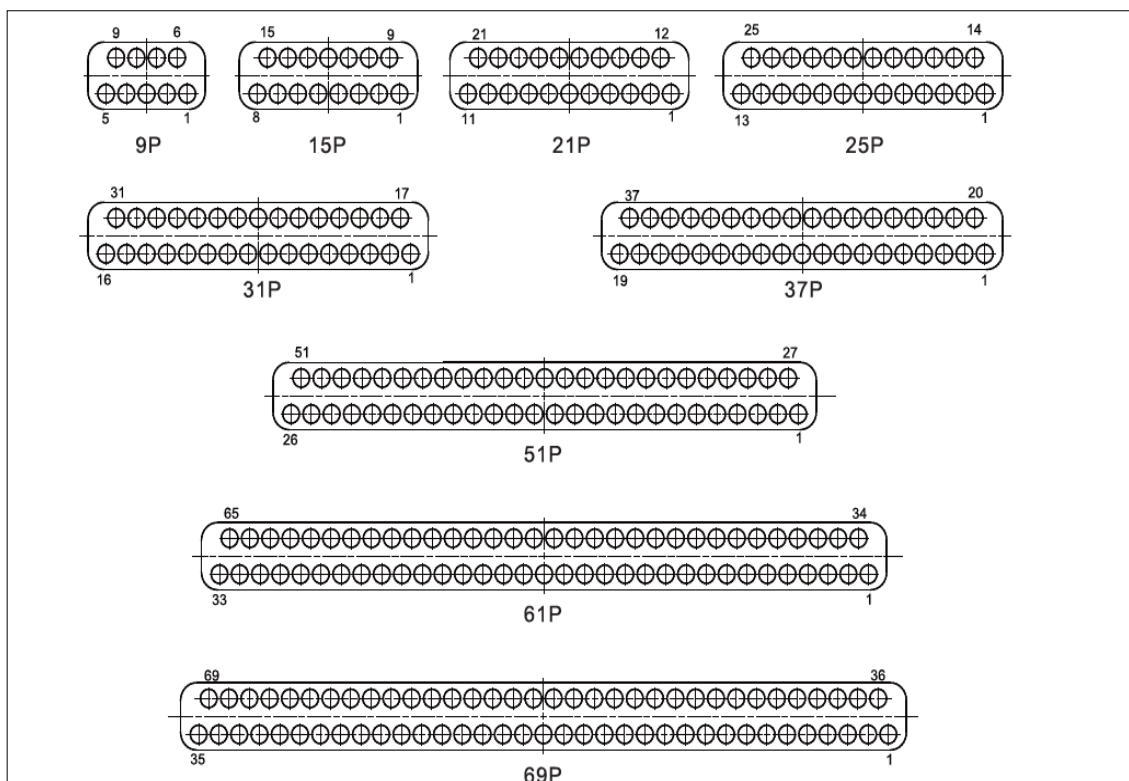
Brief introduction

- Contacts: 9, 15, 21, 25, 31, 37, 51, 65, 69
- Twist flexible micro pin (twist pin), 0.635mm pitch, micro miniature outline dimension
- Screw nut locking, it is gently when insert and extract, stably locked
- It is used for all kinds for electric circuit system interconnection which have high density, micro, light, highly reliable requirement, it can meet light and miniaturize demand
- Plug with twist pin, receptacle with socket, free terminal with locking screw, fixed terminal with nut, standard mated connector locked by screw and nut
- Standard: MIL-DTL-32139
- Undefined tolerance is ± 0.13

Specification

- | | | | |
|---------------------|---|--------------------------|----------------------------------|
| ■ Environment: | -55°C ~ +125°C | ■ Contact resistance: | $\leq 21\text{m}\Omega$ |
| ■ Vibration: | 10Hz~2000Hz 196m/s ² | ■ Insulation resistance: | $\geq 5000\text{M}\Omega$ 100VDC |
| ■ Shock: | 980m/s ² 6ms | ■ Dielectric strength: | 250V |
| ■ Rated current: | 1A | ■ Machine life: | 200 times |
| ■ Random vibration: | power spectrum density 0.4G ² /Hz, r.m.s value of total acceleration 23.1G | | |

Contact layout



Remark: The above layout is view from plug mate side end face

Order marks

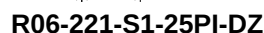


R06-221-S1-25PI-DZ

■ R06-221-S*-**PI-TH usually mated with receptacle which have locking screw, R06-221-S*-**PI-DZ usually mated with receptacle which have guide hole

- ## Outline dimension

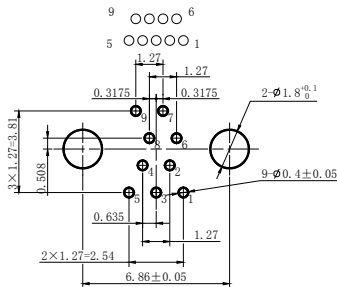
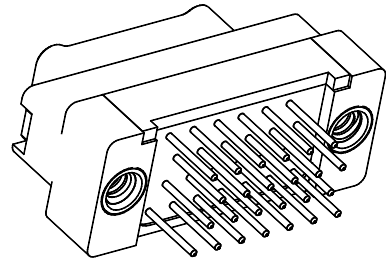
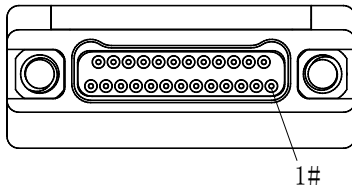
Outline dimension



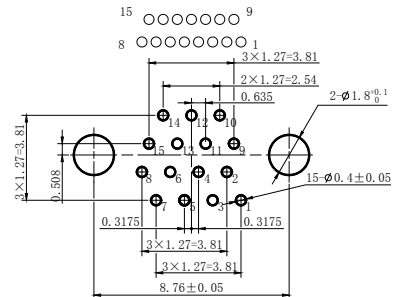
Remark: All dimensions are in mm



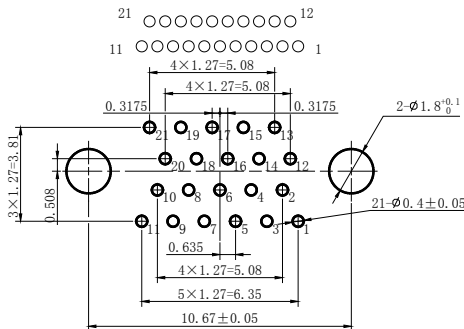
Suggested PCB Layout



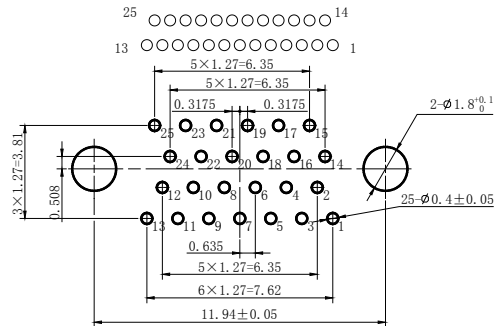
R06-221-S1/S2/S3-9PI-TH



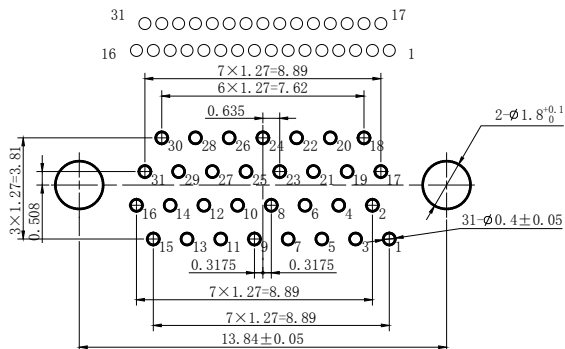
R06-221-S1/S2/S3-15PI-TH



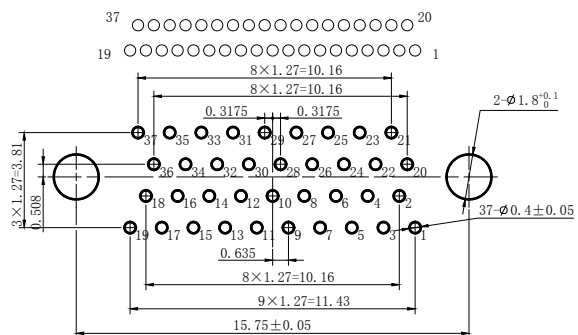
R06-221-S1/S2/S3-21PI-TH



R06-221-S1/S2/S3-25PI-TH



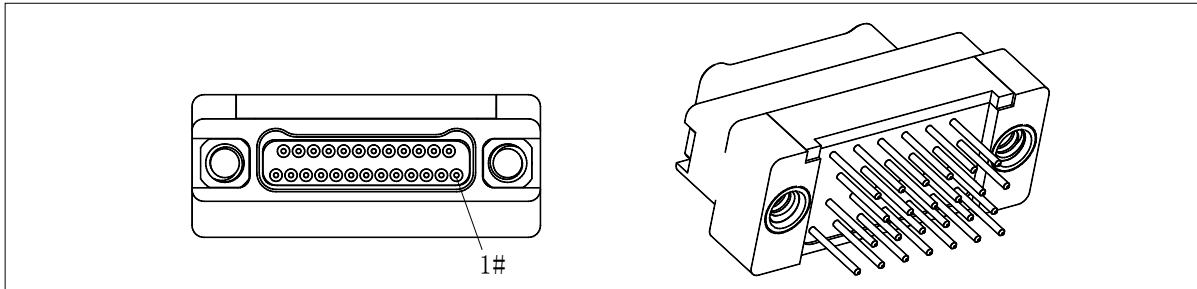
R06-221-S1/S2/S3-31PI-TH



R06-221-S1/S2/S3-37PI-TH

Remark: All dimensions are in mm

Suggested PCB Layout



Remark: All dimensions are in mm