

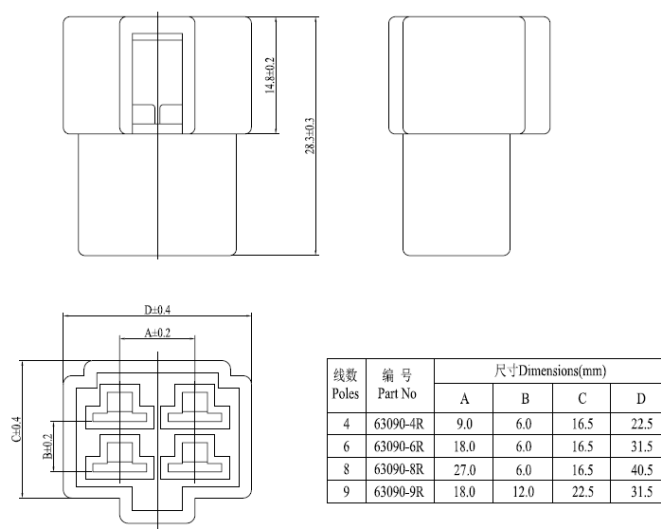
SPECIFICATION FOR APPROVAL	页 码 Page Number	第 1 页/共 5 页
<p>1. 构造: Cons truction 形状、尺寸依照附图规定 Shape and dimensions subject to attached chart regul atoin</p> <p>2. 线束: Poles 1. 2. 3. 4. 6. 8. 9</p> <p>3. 适用线规: Applicable Wires AWG#20~#14</p> <p>4. 适用温度范围: Ambient temperature Range -25℃~+85℃</p> <p>5. 额定电压: Voltage rating 250V. AC/DC</p> <p>6. 额定电流: Current rating 12. 0A Max</p> <p>7. 环保: Environmental protection 本产品符合 ROHS 环保要求 RoHS compliant and customer' s environment protection request compliant</p> <p>8. 材料: Material 外壳 (Housing) : ABS 端子 (Terminal) : 黄铜 Brass</p> <p>9. 包装 Packaging 产品内包装为袋装, 外包装为纸箱, 产品在箱内密封, 不晃动 Unless otherwise specified, the series connectors are packed with Bag</p> <p>10. 运输 Transportation 允许用任何方式运输, 但需避免雨雪淋和阳光照射, 不能有碰撞和挤压等机械损伤, 运输环境温度为-20℃~+50℃ Any vehicle can be adopted for the transportation, but inoistrre-proof and no mechanical damage, transport temperature to -20℃~+50℃</p> <p>11. 贮存: Store up 包装完毕的连接器应在环境温度为-20℃~+50℃, 相对湿度不大于 80%, 周围空气中没有酸性、碱性及其它腐蚀性气体的仓库中贮存。 Temperature: -20℃~+50℃ Relative Humidity: <80% No to storage in corrosive environments</p> <p>12. 产品性能要求: Performance</p>		

SPECIFICATION FOR APPROVAL			页 码 Page Number	第 2 页/共 5 页
序号	项目 Item	测试条件 Test Condition	规格要求 Requirement	
1	外 观 Appearance	目测 Visual by eye 视力: 1.0 以上 Light: >1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m	1. 塑料件表面应无明显疤痕、杂色、开裂、毛刺、飞边、缺料及影响使用的变形 Plastic part: smooth and flat surface without discolor, broken, crack, distortion defects is acceptable 2. 金属件表面应光洁, 无锈蚀、氧化、脱皮、发黑及明显的机械损伤等缺陷 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage defects is acceptable	
2	接触电阻 Contact Resistance	插配阴阳连接器后, 用小功率电阻测试仪进行测试 Mate connectors, measure by dry circuit	$\leq 0.02 \Omega$	
3	绝缘电阻 Insulation Resistance	插配阴阳连接器后, 在相邻接触件之间或地线之间, 用 500V DC 电压进行测试 Mate connectors, apply 500V DC between adjacent terminal or ground	$\geq 1000 M\Omega$	
4	耐电压 Withstand voltage	相邻接触件之间或地线之间施加 50Hz 1500V AC (有效值), 漏电流 1mA 的电压作用, 时间 1 分钟. Mate connectors, apply 1500V AC for 1min between adjacent terminal or ground	无击穿和飞弧现象 No Breakdown	
5	插入力与拔出力 Insertion and Withdrawal Force	相配的连接器的以 1mm/s~5mm/s 的速度沿连接器轴线方向插入和拔出 Insertion and withdrawal connectors at the speed rate of 1mm/s~5mm/s	插入力 (最大值) Insertion (MAX) <20N*接触件数	拔出力 (最小值) Withdrawal (MIN) >3N*接触件数

SPECIFICATION FOR APPROVAL			页 码 Page Number	第 3 页/共 5 页
序号	项目 Item	测试条件 Test Condition	规格要求 Requirement	
6	端子在塑件中的保持力 Terminal/Housing Retention Force	固定连接器端在测力计上, 在连接器轴线方向施加规定的拉力, 速度不大于 25mm/分钟 Apply axial pull out force at the speed rate of not more 25mm/min on the pin assemble in the housing	$\geq 50\text{N}$	
7	压着部位的抗张强度 Crimping pull Out Force	在试验装置夹头中固定试验样品, 在连接器的轴线方向施加张力; 速度不大于 25mm/分钟 Fix the crimped terminal, apply axial pull out force on the wire at the speed rate of not more 25mm/min	14# :230N(Min) 16# :150N(Min) 18# :84N(Min) 20# :56N (Min)	
8	耐高温 Heat Resistance	把试件放入高温试验箱中, 以 (0.7~1) °C/min 的温度变化速度, 将温度调到 (85±2) °C。待平衡后保持 4h, 然后以同样的速度降到室温, 恢复 2h 检验 (85±2) °C, 4h	外观 Appearance	无损伤 No Damage
			接触电阻 Contact Resistance	$\leq 0.02\Omega$
9	耐寒性 Cold Resistance	把试件放入低温试验箱中, 以 (0.7~1) °C/min 的温度变化速度, 将温度调到 (-25±2) °C。待平衡后保持 4h, 然后以同样的速度升到室温, 恢复 2h 检查 (-25±2) °C, 4h	外观 Appearance	无损伤 No Damage
			接触电阻 Contact Resistance	$\leq 0.02\Omega$
10	恒定湿热 Humidity	温度 (40±2) °C, 相对湿度 (90~95) % 放置 96 小时, 取出恢复 2 小时后检查 Temperature (40±2) °C Relative Humidity: (90~95)% Duration 96h	外观 Appearance	无损伤 No Damage
			耐电压 Withstand voltage	1500V, AC/min
			绝缘电阻 Insulation Resistance	$\geq 500\text{M}\Omega$

SPECIFICATION FOR APPROVAL			页 码 Page Number	第 5 页/共 5 页
序号	项目 Item	测试条件 Test Condition	规格要求 Requirement	
15	盐雾测试 Salt Spray Test	把试验样品从试验箱顶悬挂下来，采用浓度为(5±1)%的氯化钠溶液，连续雾化 16h，试验后用流动的蒸馏水轻轻洗去表面沉淀物。在常温条件下恢复 1~2 小时。 16 h exposure to a saltspray from the(5±1)% solution	外观 Appearance	无损伤、腐蚀（五金件应无露出底金属的严重锈蚀；使用预镀好的型材，其落料面允许有不影响其性能的轻微腐蚀。） No Damage
16	可焊性 Solderability	把试验样品需要焊接的部位浸入 235±5℃的锡槽中：历时 2±0.5sec Soldering Time: 2±0.5 sec Soldering Temperature: 235±5℃	沾敷性 Solder wetting	沾敷面积 95%以上
17	耐焊接热 Resistance to Soldering heat	把试验样品需要焊接的部分浸入 260±5℃的锡炉中：历时 5±1sec Soldering Time: 5±1sec Soldering Temperature: 260±5℃	外观 Appearance	无损坏，变形 No Damage

Note: 以上测试视公司之测试条件/能力而定。



■ 技术参数 (SPECIFICATIONS)

- ◆ 额定电压: 250V AC DC
Voltage rating: 250V AC DC
- ◆ 额定电流: 12.0A AC DC #14
Current rating: 12.0A AC DC #14
- ◆ 耐压值: 1500V AC/minute
Withstand voltage: 1500V AC/minute
- ◆ 绝缘电阻: 1000MΩ MIN
Insulation resistance: 1000MΩ MIN
- ◆ 接触电阻: 20mΩ MAX
Contact resistance: 20mΩ MAX
- ◆ 工作温度: -25℃ ~ +85℃
Working Temperature: -25℃ ~ +85℃
- ◆ 适用线规: AWG#14~#20
Applicable Wire: AWG#14~#20
- ◆ 间距: 6.0mm 9.0 mm
Pitch: 6.0 mm 9.0mm

■ 材料 (MATERIAL)

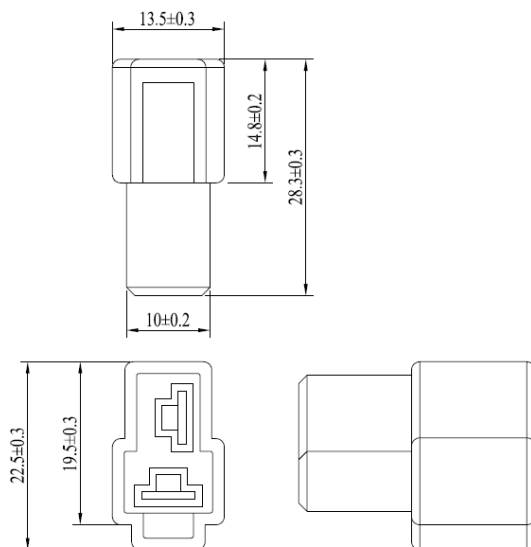
- ◆ 插座: ABS
Housing: ABS

PARTS NO.

63090-nR

PARTS NO.

63090-2R



■ 技术参数 (SPECIFICATIONS)

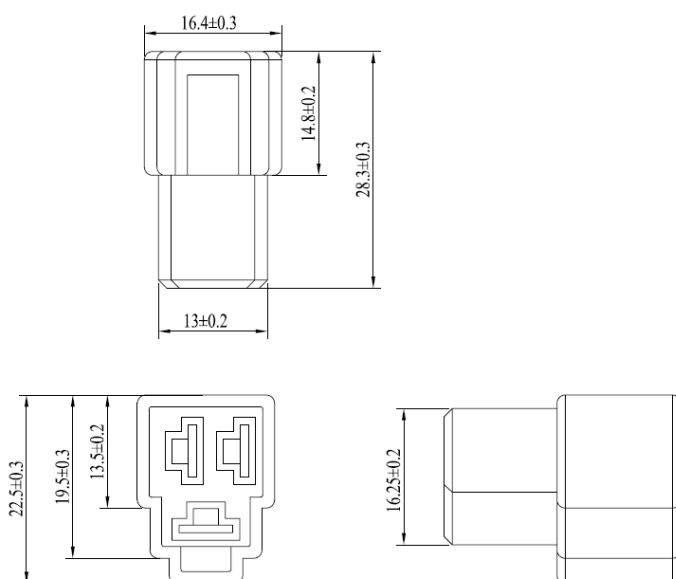
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Voltage rating: 250V AC DC
- ◆ 额定电流: 12.0A AC DC #14
Current rating: 12.0A AC DC #14
- ◆ 耐压值: 1500V AC/minute
Withstand voltage: 1500V AC/minute
- ◆ 绝缘电阻: 1000MΩ MIN
Insulation resistance: 1000MΩ MIN
- ◆ 接触电阻: 20mΩ MAX
Contact resistance: 20mΩ MAX
- ◆ 工作温度: -25°C ~ +85°C
Working Temperature: -25°C ~ +85°C
- ◆ 适用线规: AWG#14~#20
Applicable Wire: AWG#14~#20
- ◆ 间距: 6.0mm 9.0 mm
Pitch: 6.0 mm 9.0mm

■ 材料 (MATERIAL)

- ◆ 插座: ABS
Housing: ABS

PARTS NO.

63090-2R



■ 技术参数 (SPECIFICATIONS)

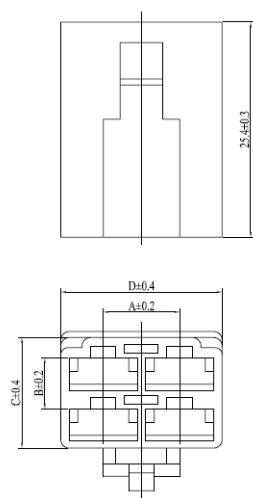
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- ◆ 额定电流: 12.0A AC DC #14
Current rating: 12.0A AC DC #14
- ◆ 耐压值: 1500V AC/minute
Withstand voltage: 1500V AC/minute
- ◆ 绝缘电阻: 1000MΩ MIN
Insulation resistance: 1000MΩ MIN
- ◆ 接触电阻: 20mΩ MAX
Contact resistance: 20mΩ MAX
- ◆ 工作温度: -25°C ~ +85°C
Working Temperature: -25°C ~ +85°C
- ◆ 适用线规: AWG#14~#20
Applicable Wire: AWG#14~#20
- ◆ 间距: 6.0mm 9.0 mm
Pitch: 6.0 mm 9.0mm

■ 材料 (MATERIAL)

- ◆ 插座: ABS
Housing: ABS

PARTS NO.

63090-3R



线数 Poles	编 号 Part No	尺寸Dimensions(mm)			
		A	B	C	D
4	63090-4P	9.0	6.0	13.0	18.9
6	63090-6P	18.0	6.0	13.0	27.9
8	63090-8P	27.0	6.0	13.0	36.9
9	63090-9P	18.0	12.0	19.0	27.9

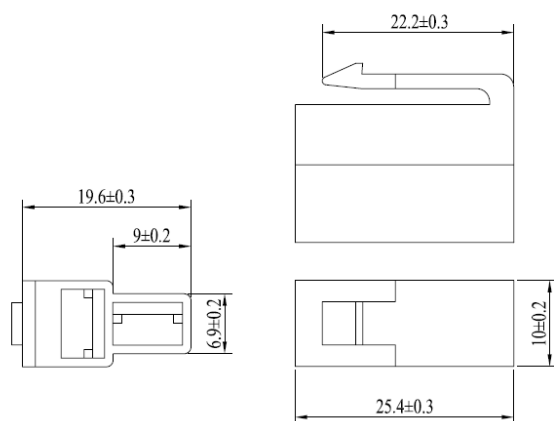
PARTS NO. 63090-nP

■ 技术参数 (SPECIFICATIONS)

- ◆ 额定电压: 250V AC DC
Voltage rating: 250V AC DC
- ◆ 额定电流: 12.0A AC DC #14
Current rating: 12.0A AC DC #14
- ◆ 耐压值: 1500V AC/minute
Withstand voltage: 1500V AC/minute
- ◆ 绝缘电阻: 1000MΩ MIN
Insulation resistance: 1000MΩ MIN
- ◆ 接触电阻: 20mΩ MAX
Contact resistance: 20mΩ MAX
- ◆ 工作温度: -25°C ~ +85°C
Working Temperature: -25°C ~ +85°C
- ◆ 适用线规: AWG#14~#20
Applicable Wire: AWG#14~#20
- ◆ 间距: 6.0mm 9.0mm
Pitch: 6.0mm 9.0mm

■ 材料 (MATERIAL)

- ◆ 插座: ABS
Housing: ABS



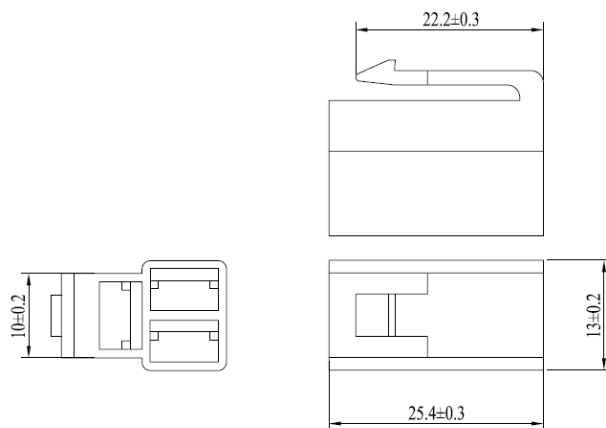
PARTS NO. 63090-2P

■ 技术参数 (SPECIFICATIONS)

- ◆ 额定电压: 250V AC DC
Voltage rating: 250V AC DC
- ◆ 额定电流: 12.0A AC DC #14
Current rating: 12.0A AC DC #14
- ◆ 耐压值: 1500V AC/minute
Withstand voltage: 1500V AC/minute
- ◆ 绝缘电阻: 1000MΩ MIN
Insulation resistance: 1000MΩ MIN
- ◆ 接触电阻: 20mΩ MAX
Contact resistance: 20mΩ MAX
- ◆ 工作温度: -25°C ~ +85°C
Working Temperature: -25°C ~ +85°C
- ◆ 适用线规: AWG#14~#20
Applicable Wire: AWG#14~#20
- ◆ 间距: 6.0mm 9.0mm
Pitch: 6.0mm 9.0mm

■ 材料 (MATERIAL)

- ◆ 插座: ABS
Housing: ABS



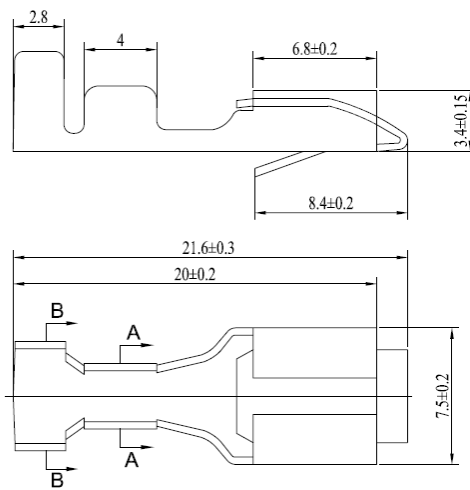
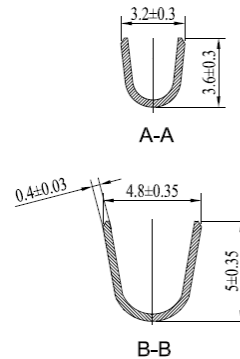
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Current rating: 12.0A AC DC #14
- ◆ 耐压值: 1500V AC/minute
Withstand voltage: 1500V AC/minute
- ◆ 绝缘电阻: 1000MΩ MIN
Insulation resistance: 1000MΩ MIN
- ◆ 接触电阻: 20mΩ MAX
Contact resistance: 20mΩ MAX
- ◆ 工作温度: -25°C ~ +85°C
Working Temperature: -25°C ~ +85°C
- ◆ 适用线规: AWG#14~#20
Applicable Wire: AWG#14~#20
- ◆ 间距: 6.0mm 9.0 mm
Pitch: 6.0 mm 9.0mm

■ 材料 (MATERIAL)

- ◆ 插座: ABS
Housing: ABS

PARTS NO.
63090-3P



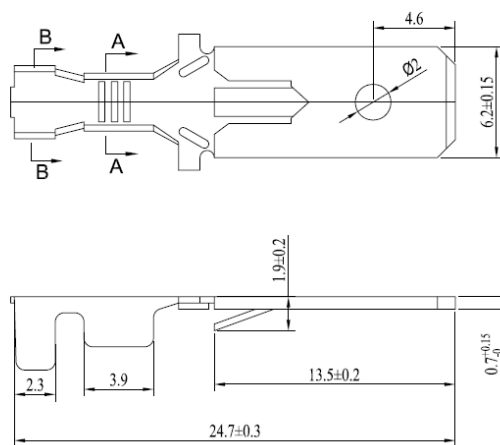
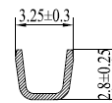
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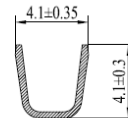
■ 材料 (MATERIAL)

- ◆ 端子: 黄铜
Terminal: Brass

PARTS NO.
63090-PT



A-A



B-B

■ 技术参数 (SPECIFICATIONS)

- ◆ 额定电压: 250V AC DC
Voltage rating: 250V AC DC
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Current rating: 12.0A AC DC #14
- ◆ 耐压值: 1500V AC/minute
Withstand voltage: 1500V AC/minute
- ◆ 绝缘电阻: 1000MΩ MIN
Insulation resistance: 1000MΩ MIN
- ◆ 接触电阻: 20mΩ MAX
Contact resistance: 20mΩ MAX
- ◆ 工作温度: -25°C ~ +85°C
Working Temperature: -25°C ~ +85°C
- ◆ 适用线规: AWG#14-#20
Applicable Wire: AWG#14-#20

■ 材料 (MATERIAL)

- ◆ 端子: 黄铜
Terminal: Brass

PARTS NO.

63090-RT