

1

2

3

4

5

$A=2.54 \times \text{No. Of Contacts} / 2 \pm 0.35$
 $B=2.54 \times (\text{No. Of Contacts} / 2 - 1) \pm 0.20$
 2.54 ± 0.05 $\phi 0.50 \pm 0.03$
 middle bar
 $C \pm 0.15$
 3.00
 8.03 ± 0.30 5.35 ± 0.25
 $D \pm 0.25$
 3.00
 $E \pm 0.30$
 12.42 ± 0.30

| Part No. | Circuits | Dim | | | | | | | | | |
|--------------|----------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|
| | | A | prior 20/06 | B | prior 20/06 | C | prior 20/06 | D | prior 20/06 | E | prior 20/06 |
| 212-1-XX-003 | 6 | 7.62 | 7.62 | 5.08 | 5.08 | 7.62 | 7.62 | 10.16 | 10.16 | 10.42 | 12.42 |
| | 8 | 10.16 | 10.16 | 7.62 | 7.62 | 7.62 | 7.62 | 10.16 | 10.16 | 10.42 | 12.42 |
| | 14 | 17.78 | 17.78 | 15.24 | 15.24 | 7.62 | 7.62 | 10.16 | 10.16 | 10.42 | 12.42 |
| | 16 | 20.32 | 20.32 | 17.78 | 17.78 | 7.62 | 7.62 | 10.16 | 10.16 | 10.42 | 12.42 |
| | 18 | 22.86 | 22.86 | 20.32 | 20.32 | 7.62 | 7.62 | 10.16 | 10.16 | 10.42 | 12.42 |
| | 20 | 25.40 | 25.40 | 22.86 | 22.86 | 7.62 | 7.62 | 10.16 | 10.16 | 10.42 | 12.42 |
| 212-1-XX-006 | 24 | 30.48 | 30.48 | 27.94 | 27.94 | 15.24 | 15.24 | 17.78 | 17.78 | 20.04 | 12.42 |
| | 28 | 35.56 | - | 33.02 | - | 15.24 | - | 17.78 | - | 20.04 | - |
| | 32 | 40.64 | 40.64 | 38.10 | 38.10 | 15.24 | 15.24 | 17.78 | 17.78 | 20.04 | 12.42 |
| | 40 | 50.80 | 50.80 | 48.26 | 48.26 | 15.24 | 15.24 | 17.78 | 17.78 | 20.04 | 12.42 |
| | 42 | 53.34 | - | 50.80 | - | 15.24 | - | 17.78 | - | 20.04 | - |
| | 48 | 60.96 | 60.96 | 58.42 | 58.42 | 15.24 | 15.24 | 17.78 | 17.78 | 20.04 | 12.42 |

Specifications:

Current rating: 1.0A AC/DC **3A**Voltage rating: 100V AC/DC **60V**Contact resistance: 15m ohm. max. **4m ohm**Insulator resistance: 5000M ohm. Min. **1000M ohm**

Withstanding voltage: 1000V AC for one minute

Operating temperature range: -40°C to +105°C

Material and Finish:

Insulator: High Temp. Plastic (PPS UL94V-0) **PBT**Standard Color: **Black**

Clip (Contact 4 Finger): Beryllium Copper (Becu) Gold Plated

Sleeve Barrel: Copper Alloy Tin Plated

Brass

Note 1: W/O middle bar (6~16P)

With middle bar (18~64P)

2.54 ± 0.05 1.00 0.90
 13.42 ± 0.25 $C \pm 0.15$
 3.10 3.00

PCB Layout

RoHS Compliant

Note: Dimension in red represents old dimension

| | | | | | | | | |
|-----|------|------|----|-------------------|---|--|---|------------|
| | | | | DRAWN: JAMIE | GENERAL TOLERANCE: .X = ±0.20 ±0.30 .XX = ±0.15 ±0.20 | CnC Tech Industrial Cable and Connector Technology | DESCRIPTION: 2.54mm IC Socket SMD Type Machine Pin | SIZE A4 |
| | | | | CHECKED: JERRY | UNIT: MM SCALE: 1:1 | | | |
| | | | | APPROVAL: RORY | SHEET: 1 / 1 | PART NO: 212-1-XX-00X | | |
| REV | DATE | FILE | BY | | PROJECTION: | | | |