



Recommended P.C.B Layout

**Material :**

Insulator : 30% Glass Fiber PBT, UL 94V-0

Contact : Brass, Gold flash plating

**Specification :**

Current : 3 Amp

Insulation Resistance : 5,000 Mohm min. at DC 500V

Contact resistance : 20 mOhm max. at DC 100mA

Dielectric Voltage : AC 500V for 1 minute

Operation temperature : - 40°C ~ + 105°C

**Dimensions (E = 2.54mm x (Pin No. - 1))**

| Akizuki P/N | Useconn P/N | Poles | Dim. E |
|-------------|-------------|-------|--------|
| C-04391     | PHA-1x03SG  | 1x3   | 5.08   |
| C-04392     | PHA-1x04SG  | 1x4   | 7.62   |
| C-04393     | PHA-1x07SG  | 1x7   | 15.24  |
| C-04394     | PHA-1x08SG  | 1x8   | 17.78  |
| C-04395     | PHA-1x09SG  | 1x9   | 20.32  |
| C-04396     | PHA-1x10SG  | 1x10  | 22.86  |
| C-04397     | PHA-1x14SG  | 1x14  | 33.02  |
| C-04398     | PHA-1x20SG  | 1x20  | 48.26  |

\* Poles available 1x2 ~ 1x40 pins

\* Pin Length changable for required lengths.

|      |           |             |       |            |                   |       |       |
|------|-----------|-------------|-------|------------|-------------------|-------|-------|
| E    |           |             |       | Drawn:     | General Tolerance |       |       |
| D    |           |             |       | Jack Lin   | .0                | .00   | .000  |
| C    |           |             |       | Checked:   | ±0.15             | ±0.10 | ±0.05 |
| B    | 23-Apr-13 | Dim. table  | David | Ivy Lee    | Unit : mm         |       |       |
| A    | 30-May-11 | new release | Jack  | Appraisal: | Scale :           |       |       |
| Rev. | Date      | File        | BY    | Simon Chen | Sheet : 1/1       |       |       |



**Useconn  
Electronics Ltd.**

Part No.

**PHA-1x00SG**

File No. PHA-1x00SG

Title: 2.54mm Pitch Pin Header Strip, Straight, Single Row  
Insulator Height 2.0mm, Contacts 0.5mm sq., L = 9.1mm