

EAH SERIES

AUTO INSERTING TYPE



PATENT NO.: 59876
47618
4856189(U.S.A.)
66207



FEATURES

- Same size with IC, can be assembled by any automatic IC inserter.
- Molded 0.3" integrated circuit packing outline allowing automatic insertion.
- Smaller size makes better heat convection during PC board wave soldering.
- Top tape sealed to withstand wave soldering, board washing.
- All plastics are UL 94V-0 grade fire retardant.
- Twin contacts designed to ensure stable contact.
- Gold plated contact to ensure low contact resistance and Tin plated terminals to prevent contamination during soldering.

SPECIFICATIONS

1. ELECTRICAL

| | |
|---|---------------------------------|
| Contact rating | |
| switching | 25 mA, 24 VDC |
| non-switching | 100 mA, 50 VDC |
| Contact resistance | |
| initial | 50 m Ω Max. |
| after life test | 100 m Ω Max. |
| Insulation resistance | 1000 M Ω Min. at 100 VDC |
| Dielectric strength | 500 VDC Min. for 60 seconds |
| Capacitance between adjacent switches 5 pF Max. | |

2. MECHANICAL

| | |
|--------------------|--------------------------------------|
| Temperature rating | |
| operating | -25 $^{\circ}$ C to +70 $^{\circ}$ C |
| storage | -40 $^{\circ}$ C to +85 $^{\circ}$ C |
| Operation force | 800g Max. |

| | |
|------------------------------|--|
| Mechanical life | 2000 operations |
| Humidity | 95%RH, 40█ for 96 Hrs. |
| Vibration | Per MIL-STD-202F, method 204D |
| Solderability | after flux 230█5█ for 5█0.5 seconds, 95% coverage |
| Resistance to soldering Heat | 260█5█ for 5█1 seconds |

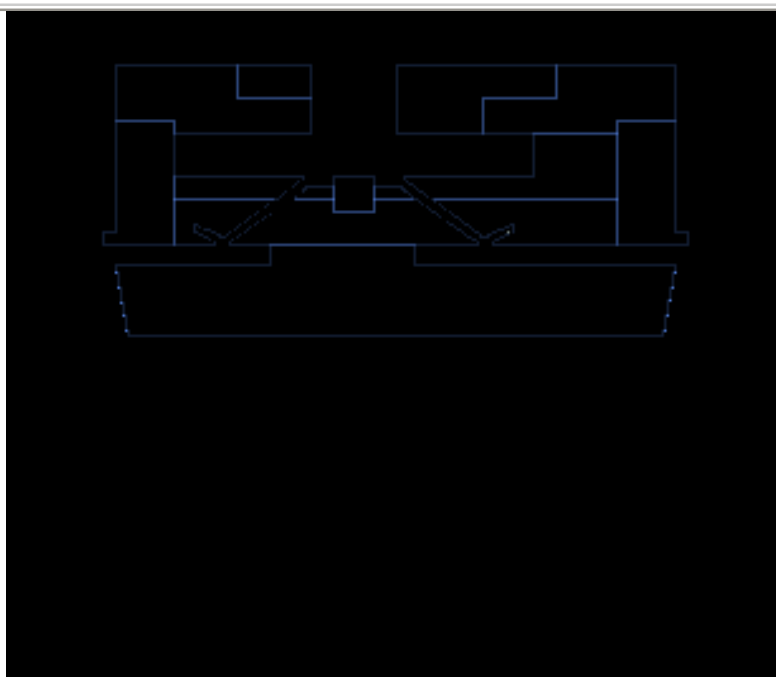
PART NUMBERING SYSTEM

EAH 1 08 L

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|
|
| +--- Actuator, Sealing and Rows Spacing Options:
|     L:Low Profile Actuator
|         and Rows Spacing 8.50 mm
|     L01:Low Profile Actuator
|         and Rows Spacing 7.62 mm
|     E:Extended Actuator
|         and Rows Spacing 7.62 mm
|     E01:Extended Actuator
|         and Rows Spacing 8.50 mm
|     LT:Top Tape Sealed & Low Profile Actuator
|         and Rows Spacing 8.50 mm
|     LT01:Top Tape Sealed & Low Profile Actuator
|         and Rows spacing 7.62 mm
|
| +--- Number of positions: 2,3,4,5,6,7,8,10,12
| +--- Contact form: SPST
+--- Series name: EAH:Automatic Inserting Type
    
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CONSTRUCTION



OPTIONS

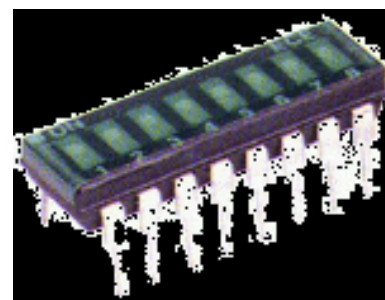
1.Special marking and case color available upon request.

3.Extended Actuator

4.Tape Sealed

2.Two kinds of pitch available.

| Actuator | Pitch (mm) | |
|----------|------------|--------|
| | Standard | Option |
| L | 8.50 | 7.62 |
| E | 7.62 | 8.50 |



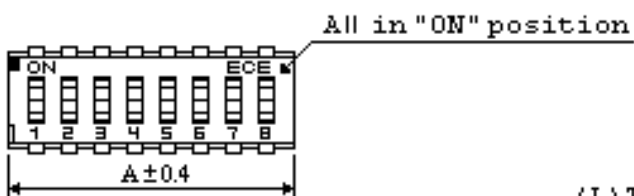
DIMENSIONS AND CIRCUITRY (UNIT: mm)

DIMENSION A

| Positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 |
|-----------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| A | 6.88 (0.271) | 9.42 (0.371) | 11.96 (0.471) | 14.50 (0.571) | 17.04 (0.671) | 19.58 (0.771) | 22.12 (0.871) | 27.20 (1.071) | 32.28 (1.271) |

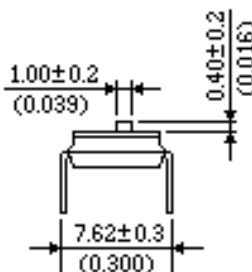
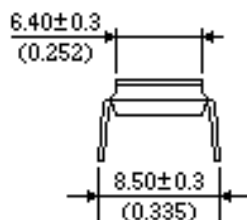
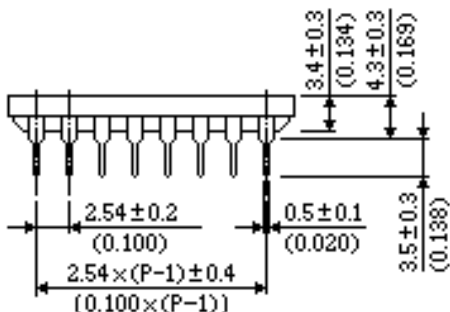
Unit:mm(inch)

CIRCUIT DIAGRAM



(L) TYPE

(E) TYPE



P.C.B. LAYOUT (TOP VIEW)

