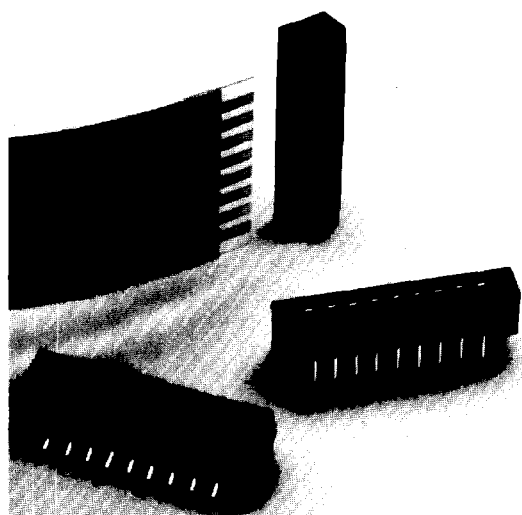


# 2.54mm CONDUCTIVE INK CIRCUITRY

## FLEXLOK™ HBLB-5J SERIES

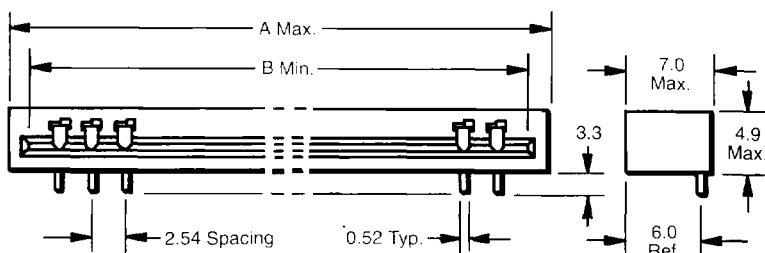


Burndy FLEXLOK HBLB-5J series is a reliable, low cost connector directly pluggable to conductive ink circuitry. For this application, Burndy has designed and developed an entirely new contact shape that minimizes abrasion of the ink during extraction and insertion. Burndy FLEXLOK offers the user reliability, economy and ease of installation never before available in a connector of this type.

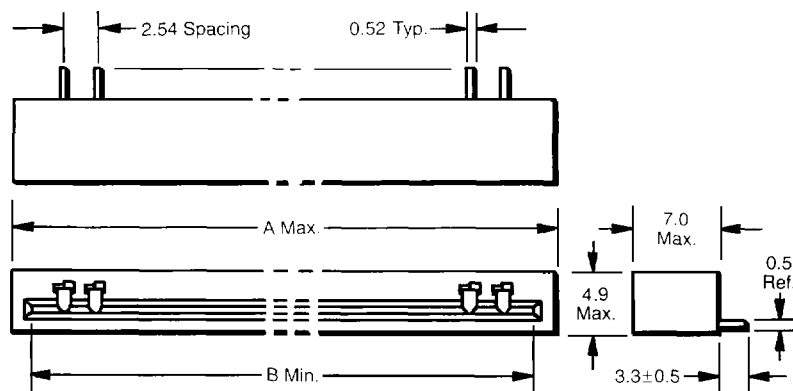
- **New contact shape**
  - Minimizes abrasion of ink during extraction and insertion.
- **Equal in reliability to gold-plated systems**
  - Even in adverse environments.
- **Soldered to PC board**
  - No separate handling.
- **Supplied complete with contacts assembled**
  - No special tooling or operator training needed.
- **Compact**
  - Low profile design for closer packaging densities.

### DIMENSIONS

#### Side Entry



#### Top Entry



No. of Contacts	Catalog Number	Dimensions	
		A	B
5	HBLB5R/S-5J	18.3	15.3
6	HBLB6R/S-5J	20.9	17.9
7	HBLB7R/S-5J	23.4	20.4
8	HBLB8R/S-5J	26.0	23.0
9	HBLB9R/S-5J	28.5	25.5
10	HBLB10R/S-5J	31.0	28.0
11	HBLB11R/S-5J	33.6	30.6
12	HBLB12R/S-5J	36.1	33.1
13	HBLB13R/S-5J	38.7	35.7
14	HBLB14R/S-5J	41.2	38.2
15	HBLB15R/S-5J	43.7	40.7
16	HBLB16R/S-5J	46.3	43.3
17	HBLB17R/S-5J	48.8	45.8
18	HBLB18R/S-5J	51.4	48.4
19	HBLB19R/S-5J	53.9	50.9
20	HBLB20R/S-5J	56.4	53.4
21	HBLB21R/S-5J	59.0	56.0
22	HBLB22R/S-5J	60.5	58.5
23	HBLB23R/S-5J	63.1	61.1
24	HBLB24R/S-5J	65.6	63.6
25	HBLB25R/S-5J	68.1	66.1
26	HBLB26R/S-5J	70.7	68.7
27	HBLB27R/S-5J	73.2	69.9
28	HBLB28R/S-5J	75.8	73.8
29	HBLB29R/S-5J	78.3	76.3
30	HBLB30R/S-5J	80.8	78.8
31	HBLB31R/S-5J	83.4	81.4

## ■ PERFORMANCE CHARACTERISTICS

**Operating Temperature** ..... -55°C to 85°C

### Electrical

Operating Voltage ..... 200V A.C.

Current Rating ..... 1A Max.

Contact Resistance ..... Depends on CIC

Insulation Resistance ..... 5000MΩ Min.

Dielectric Withstanding Voltage ..... 1000V A.C.

### Physical

Durability ..... 5 cycles—No cracking, breaking or loosening  
of connector

### Recommended CIC

Thickness ..... 0.13 to 0.38mm

Finish ..... Carbon Paste or Silver 10μm Min.

### Recommended PC Board

Thickness ..... 0.13 to 0.38mm

Through Hole Dia. .... 0.8 to 0.9mm

## ■ MATERIAL

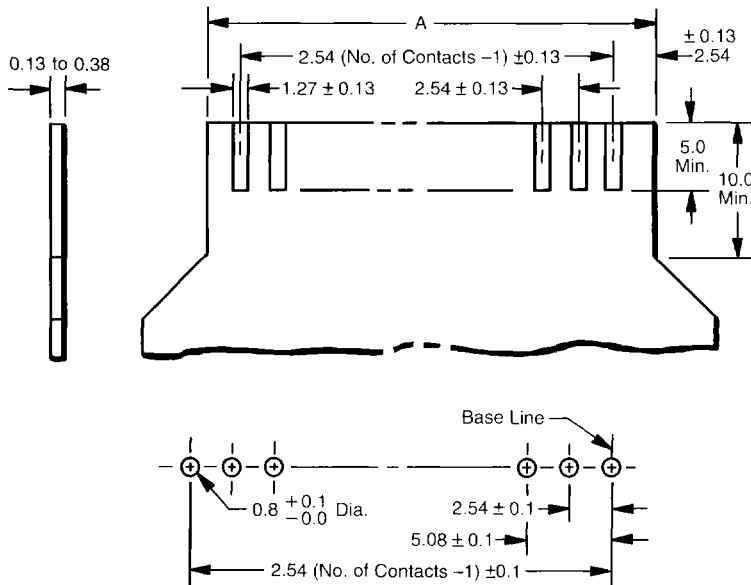
Body ..... Thermoplastic Polyester, glass reinforced

Color ..... Black

Flammability Rating ..... UL94V-O

Contact ..... Phosphor Bronze (Tin Alloy plated)

## ■ RECOMMENDED PC BOARD



No. of Pads	Dimensions
	A †
5	15.24
6	17.78
7	20.32
8	22.86
9	25.40
10	27.94
11	30.48
12	33.02
13	35.56
14	38.10
15	40.64
16	43.18
17	45.72
18	48.26

No. of Pads	Dimensions
	A †
19	50.80
20	53.34
21	55.88
22	58.42
23	60.96
24	63.50
25	66.04
26	68.58
27	71.12
28	73.66
29	76.20
30	78.74
31	81.28

## ■ ORDERING INFORMATION

