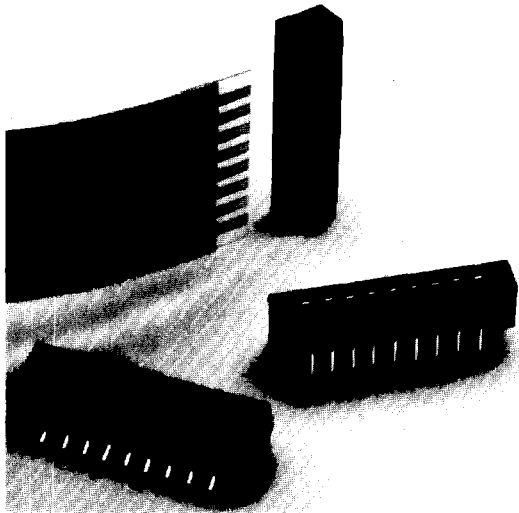


2.54mm CONDUCTIVE INK CIRCUITRY

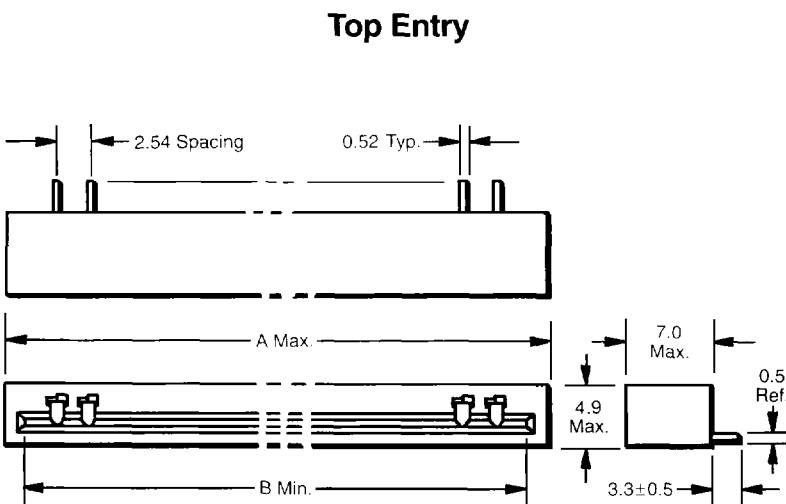
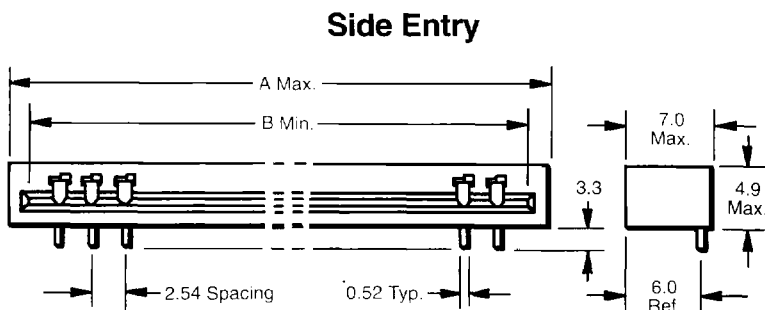
FLEXLOK™ HBLB-5J SERIES



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



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

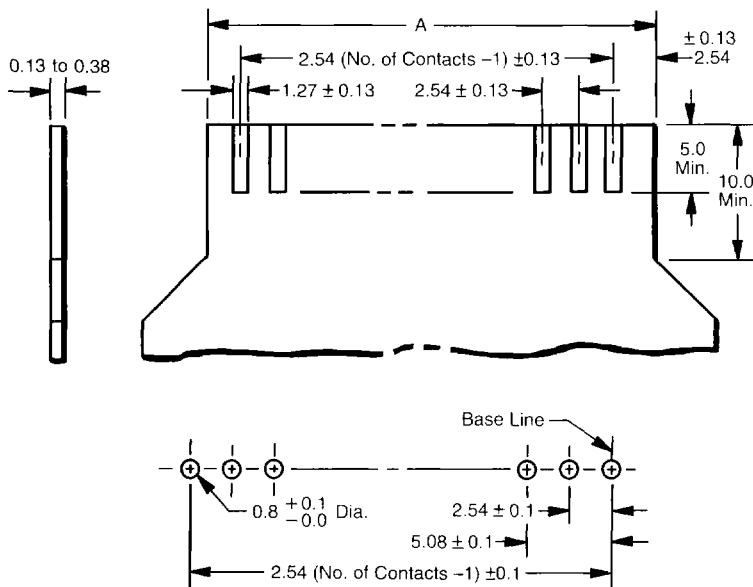
Thickness 0.13 to 0.38mm
Through Hole Dia. 0.8 to 0.9mm

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
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

