

# DATASHEET

## ELASTOMERIC ZEBRA CONNECTORS

### FEATURES

Elastomeric Electronic Connectors are a comprehensive group of high performance interconnect devices with applications throughout the entire of electronics. With the expansion of micro-electronics and miniaturization of all products, the same high reliability must be maintained.

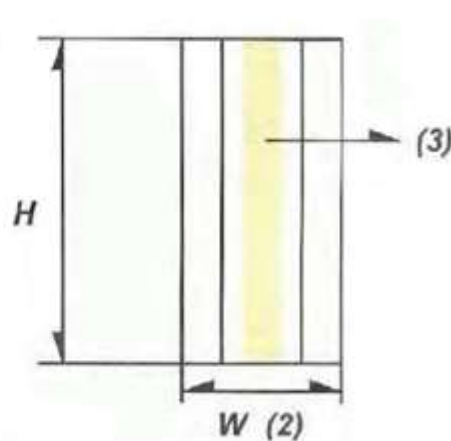
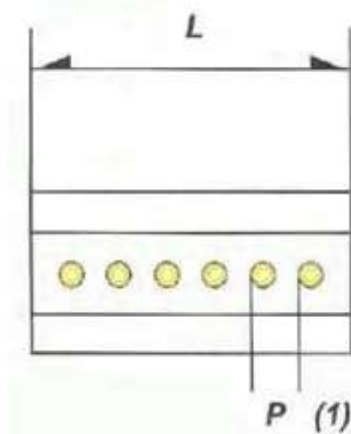
Elastomeric Connectors are an obvious choice. And one which offers a variety of alternatives based on the primary design objectives. Some of the more important considerations are:

- High density; increased number of I/O's
- Low resistance, high current capacity
- Low insertion force, low compression force
- Redundant contact engagement
- High electrical and mechanical reliability
- Chemical stability, degradation resistance
- Cost-effectiveness, ease of assembly



### COMPOSITION

#### OUTLINE OF COMPOSITION



### MATERIAL

1. Pitch 0.10mm,  $\varnothing 50\mu\text{m}$  gold plated brass wire
2. Insulating Silicone Rubber 30° Hardness, thickness: 0.20
3. Insulating Silicone Rubber 50° Hardness

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## STANDARD SPECIFICATION

	Standard Specification
Pitch P (mm)	0.10 ± 0.05 / 0.05 ± 0.02
Length L (mm)	1.0 To 25.0 ± 0.20 25.1 To 50.0 ± 0.30 50.1 To 80 ± 0.50 80.1 To 120.0 ± 0.08 120.1 To 150.0 ± 1.00 150.1 To 200.0 ± 1.30 200.0 To 250.0 ± 1.60
High H (mm)	1.0 To 5.0 ± 0.10 5.0 To 10.0 ± 0.15
Width W (mm)	1.0 To 2.0 ± 0.10 2.5 To 4.0 ± 0.15

## TEST CONDITION

Environment	60 °C / 95 % RH / 250 Hours
Compressions Value	15 %
Sampling	
STANDARD REQUEST :	
Dimension	Height must be > 95% after test
Conductivity	<1 Ω

## TEST REPORT

Dimension: Height	Before test 1.52mm Before test 1.52mm	After test 1.45mm After test 1.46mm
Return ratio after aging test	95.7%	
Conductivity	Before test <0.2Ω Before test <0.2Ω	After test <0.4Ω After test <0.4Ω
Conductivity after aging test	0.6Ω	

## APPLICATIONS

- LCD and EL displays
- Flex circuit-to-board
- Board-to-board
- Burn-in sockets
- Chip-to-board
- Miniature and low profile
- Memory cards interconnect – general electronics