

# SuperButton® Contact Element Specifications (6 Wire)

HCD SuperButton® is constructed from Cu-alloy wires surrounded by a polymeric jacket. SuperButton® contact elements are assembled into an FR-4 interposer and can be designed to virtually any custom array size or pattern. HCD's SuperButton® Land Grid Array products provide high performance connectivity for package-to-board, board-to-board, and flex-to-board connections.

## Type SB04: Pitch 1mm and up



	BCBA-40	BCBA-80	BCBA-120
Free Length:	1mm [40]	2mm [80]	3 mm [120]
Outside Diameter:	0.63 [25]	0.63 [25]	0.63 [25]
Min. contact force:	10g	10g	10g
Max force:	70g	70g	70g
Min travel:	0.08 [3]	0.10 [4]	0.10 [4]
Max travel:	0.19 [7.5]	0.28 [11]	0.37 [14.5]
Contact resistance:	< 15 mΩ	< 15 mΩ	< 15 mΩ

## Type SB05: Pitch 0.8 mm and up



	BCDB-40	BCDB-80	BCDB-120
Free Length:	1mm [40]	2mm [80]	3 mm [120]
Outside Diameter:	0.53 [21]	0.53 [21]	0.53 [21]
Min. contact force:	10g	10g	10g
Max force:	70g	70g	70g
Min travel:	0.08 [3]	0.10 [4]	0.10 [4]
Max travel:	0.19 [7.5]	0.28 [11]	0.37 [14.5]
Contact resistance:	< 15 mΩ	< 15 mΩ	< 15 mΩ

## Type SB06: Pitch 0.75mm and up



	BCFB-40	BCFB-80	BCFB-120
Free Length:	1mm [40]	2 mm [80]	3 mm [120]
Outside Diameter:	0.46 [18]	0.46 [18]	0.46 [18]
Min. contact force:	10g	10g	10g
Max force:	70g	70g	70g
Min travel:	0.08 [3]	0.10 [4]	0.10 [4]
Max travel:	0.18 [7]	0.25 [10]	0.33 [13]
Contact resistance:	< 15 mΩ	< 15 mΩ	< 15 mΩ

Units: mm and [mils]

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