

Box Headers
PCB Mount, Low Profile, 2.54mm Pitch

Product Specification:

Materials and Finish

Insulator: Glass-reinforced thermoplastic (P.B.T), UL-94V-0 rated

Contact: Phosphor bronze per QQ-B-750, plated selected gold in mating area; 100µ" min. tin-lead on termination area, with entire contact under-plated 50µ" min. nickel

Electrical

Contact Resistance: 20 milliohms max. at 1 ampere DC

Insulation Resistance: 5000 megohms at 500 VDC

Dielectric Withstanding Voltage: 500 VAC/rms 60Hz for one minute

Current Rating: 3 amperes per contact

Voltage Rating: 250 VAC/rms 60Hz

Mechanical

Contact Retention: 2.0 kgs minimum per contact

Durability: See page 9

Related Product Data

PC Board Layout: See page 91

Ordering Information:

G821 XX XXP XX X XX

Box Headers
Low Profile
2.54mm Pitch

A: Standard type
 H: High temperature
 K: Kinked contacts

Color of Insulator

0: Gray
 1: Reserved
 2: Black

Number of Positions

10: 10 positions
 14: 14 positions
 16: 16 positions
 20: 20 positions
 26: 26 positions
 30: 30 positions
 34: 34 positions
 40: 40 positions
 50: 50 positions
 60: 60 positions
 64: 64 positions

Contact Finish

AA: gold flash
 AF: 10µ" gold
 AM: 30µ" gold
 AG: Full flash gold
 AT: Tin

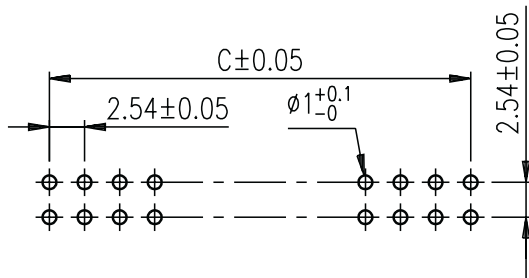
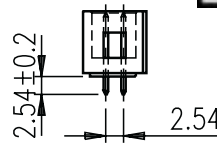
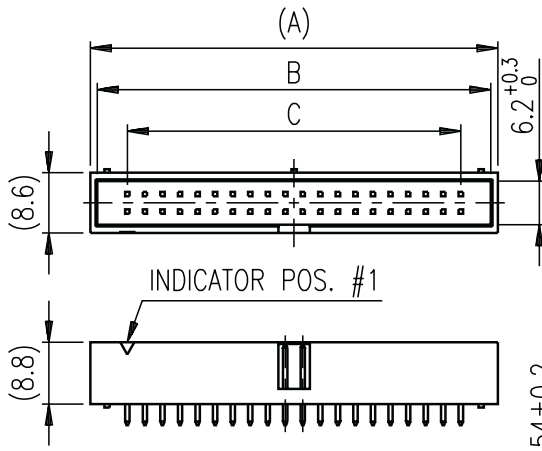
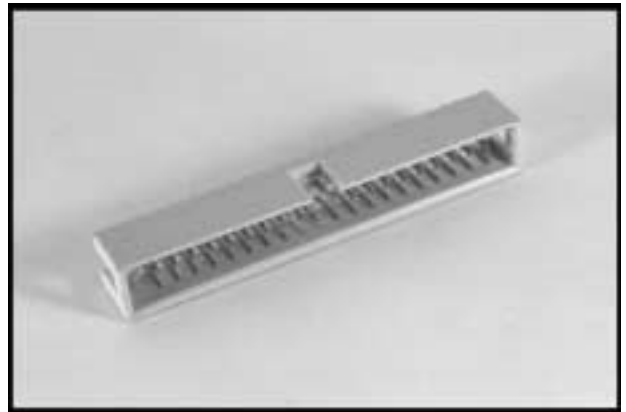
Contact Characteristics

A: Straight, 2.54mm tail length
 B: Straight, 4.06mm tail length
 C: R/A, 2.54mm tail length
 D: R/A, 4.06mm tail length
 E: Straight, 15.5mm tail length
 F: R/A, 15.5mm tail length
 G: Straight, 3.5mm tail length
 H: R/A, 3.6mm tail length
 J: R/A, 2.9mm tail length
 K: Straight, 3.81mm tail length
 L: Straight, 3.0mm tail length

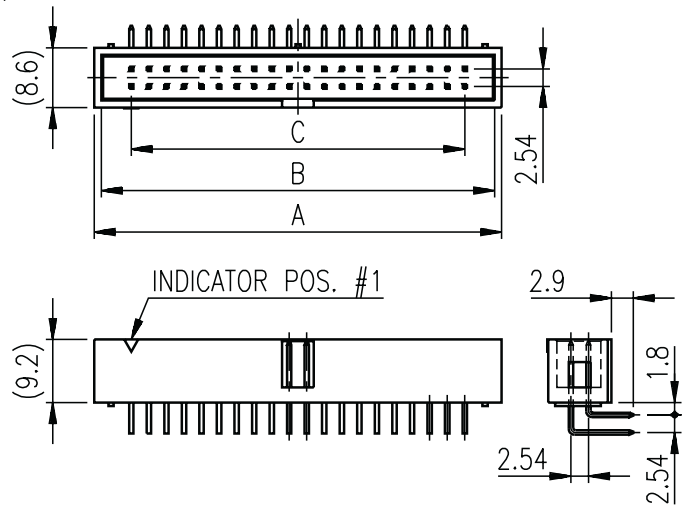
Variation Code

00: Standard
 01: Removed position

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PCB Mount, 2.54mm pitch



Recommended PCB Layout



No. Of Positions	Dimensions (mm)		
	A	B	C
10	20.30	18.10	10.16
12	22.84	20.64	12.70
14	25.38	24.48	15.24
16	27.92	25.72	17.78
20	33.00	30.80	22.86
26	40.62	38.42	30.48
30	45.70	43.50	35.56
34	50.78	48.58	40.64
40	58.40	56.20	48.26
50	71.10	68.90	60.96
60	83.80	81.60	73.66
64	88.88	86.68	78.74