

# FOR BOARD-TO-BOARD CONNECTION

## 210 SERIES

### ■ FEATURES

- 1.27 mm (0.050 in.) pitch contact arrangement in two rows enables high-density mounting.
- Connectors are available with 30 to 120 contacts.
- Terminals are spaced in a four-row staggered arrangement (2.54 mm (0.100 in.) × 1.905 mm (0.075 in.)) for easy PC board design.
- Sockets are available for board mounting and for flat cables.

[See the description of the FCN-210 series (for board-to-cable connection).]

- Insulation is UL-approved (94V-0) and is washable.



### ■ SPECIFICATIONS

Item	Specifications
Operating temperature range	-55°C to +105°C
Current rating	DC 2 A
Voltage rating	AC 250 V
Contact resistance	35 mΩ max. (DC 6 V, 0.1 V)
Insulation resistance	1000 MΩ min. (DC 500 V)
Dielectric withstand voltage	500 VAC for 1 minute
Insertion force	4 kg max. (10 pins)
Withdrawal force	250 g min. (10 pins)
Applicable PC board (standard)	Thickness: 0.8 to 1.6 mm (0.031 to 0.063 in.)

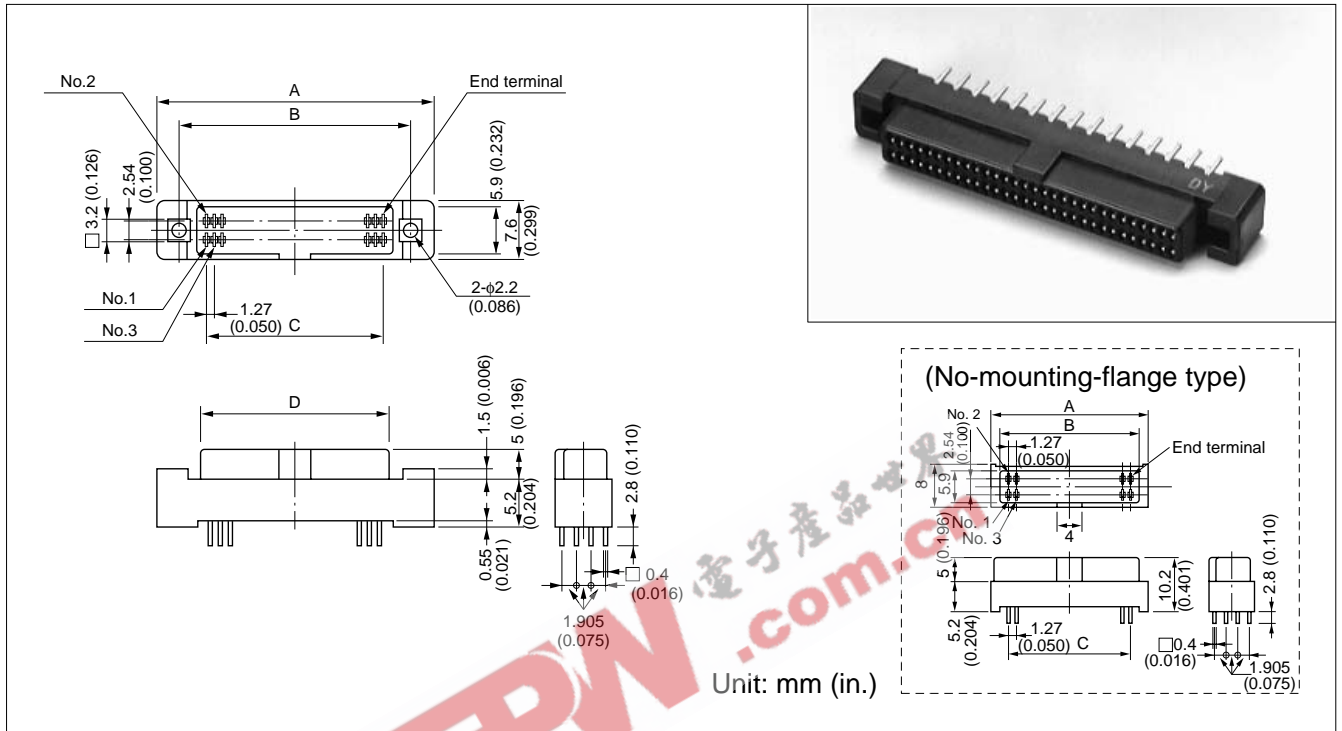
### ■ MATERIALS

Item	Materials	
Insulator	Polyester (UL94V-0)	
Conductor	Copper alloy	
Plating	Contact	Gold plating
	Terminal	Palladium plating

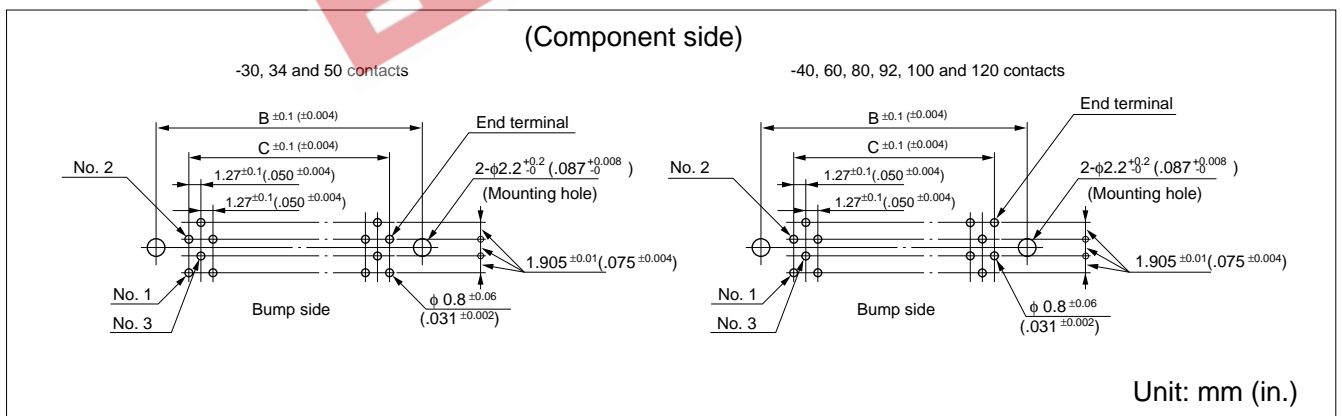
# 210 Series

## STRAIGHT SOCKET

### ■ DIMENSIONS



### ■ MOUNTING HOLE LAYOUT



The no-mounting-flange type does not require the mounting hole of 2-φ2.2 mm (0.09 in.).

### ■ PART NUMBERS AND DIMENSIONS

Number of contacts	Part number	Dimensions (mm (in.))				
		A	B	C	D	E
30	FCN-214J030-G/0	31.83 (1.253)	26.28 (1.035)	17.78 (0.700)	20.68 (0.814)	23.08 (0.909)
34	FCN-214J034-G/0	34.73 (1.367)	28.82 (1.135)	20.32 (0.800)	23.22 (0.914)	25.62 (1.009)
40	FCN-214J040-G/0	38.18 (1.503)	32.63 (1.285)	24.13 (0.950)	27.03 (1.064)	29.43 (1.159)
50	FCN-214J050-G/0	44.35 (1.746)	38.98 (1.535)	30.48 (1.200)	33.38 (1.314)	35.78 (1.409)
60	FCN-214J060-G/0	50.88 (2.003)	45.33 (1.785)	36.83 (1.450)	39.73 (1.564)	42.13 (1.659)
80	FCN-214J080-G/0	63.58 (2.503)	58.03 (2.285)	49.53 (1.950)	52.43 (2.064)	54.83 (2.159)
92	FCN-214J092-G/0	71.20 (2.803)	65.65 (2.585)	57.15 (2.250)	60.05 (2.364)	62.45 (2.459)
100	FCN-214J100-G/0	76.28 (3.003)	70.73 (2.785)	62.23 (2.450)	65.13 (2.564)	67.53 (2.659)
120	FCN-214J120-G/0	88.98 (3.503)	83.43 (3.285)	74.93 (2.950)	77.83 (3.064)	80.23 (3.159)

Replace “-G/0” with “-G/A” for no-mounting-flange type