

# FCN-234P/235P\*\*\*-G/MA,-237B\*\*\*-G/W

## FCN-230B Series Pin Contact Board Plug and Flat-Cable IDC Socket Connectors

### 1.27-mm PITCH, PIN CONTACT CONNECTORS FOR BOARD-PLUG TO FLAT-CABLE-SOCKET

#### FEATURES

- 1.27 mm (0.050)-pitch flat-cable application
- Mating pins (1.27 mm pitch) are arranged in two rows; terminal pins are arranged in a 1.27 x 1.905 mm (0.050 x 0.075 in.) four-row zigzag array, enabling high density mounting.
- Two-piece socket; after one cable is connected to each section of the socket, the socket sections are snapped together.
- 20 to 100 pins are available
- Hook mechanism provides easy disconnection.
- Clip-on key for polarization.

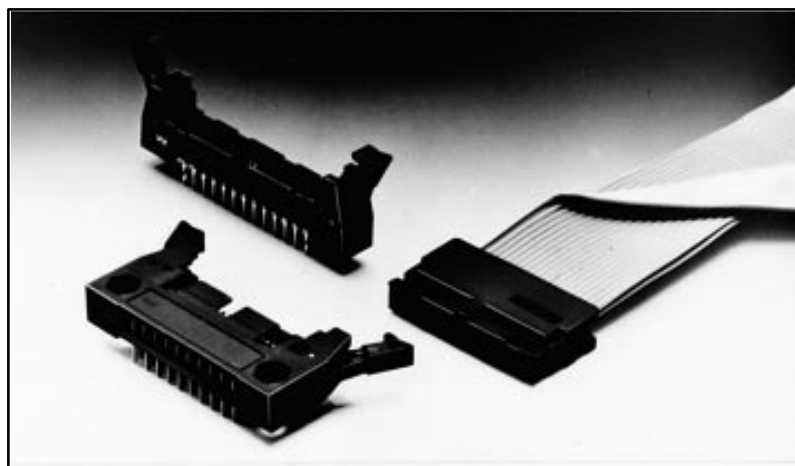
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#### SPECIFICATIONS

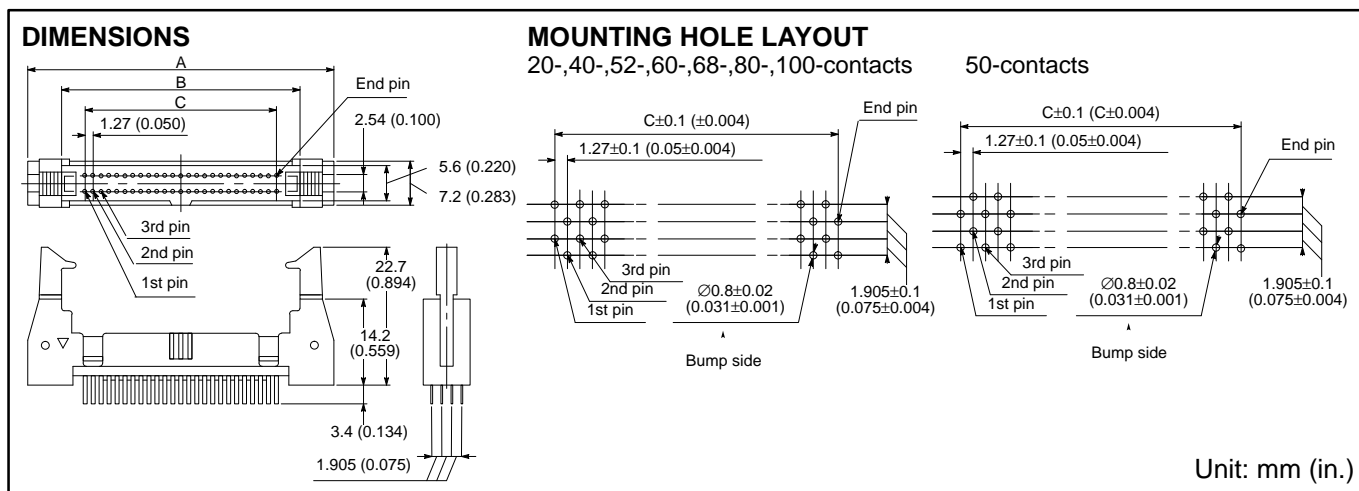
Temperature Range	−55 to +105°C
Maximum Allowable Current	0.5 A DC
Maximum Allowable Voltage	250V AC
Contact Resistance	30 mΩ or less at 6 VDC 0.1 A
Insulation Resistance	1000 MΩ or more at 250 VDC
Dielectric Strength	500 VAC for 1 minute

#### MATERIALS

Contact	Copper alloy
Insulator	Polyester resin
Contact Plating	Gold over palladium over nickel (PAGOS)

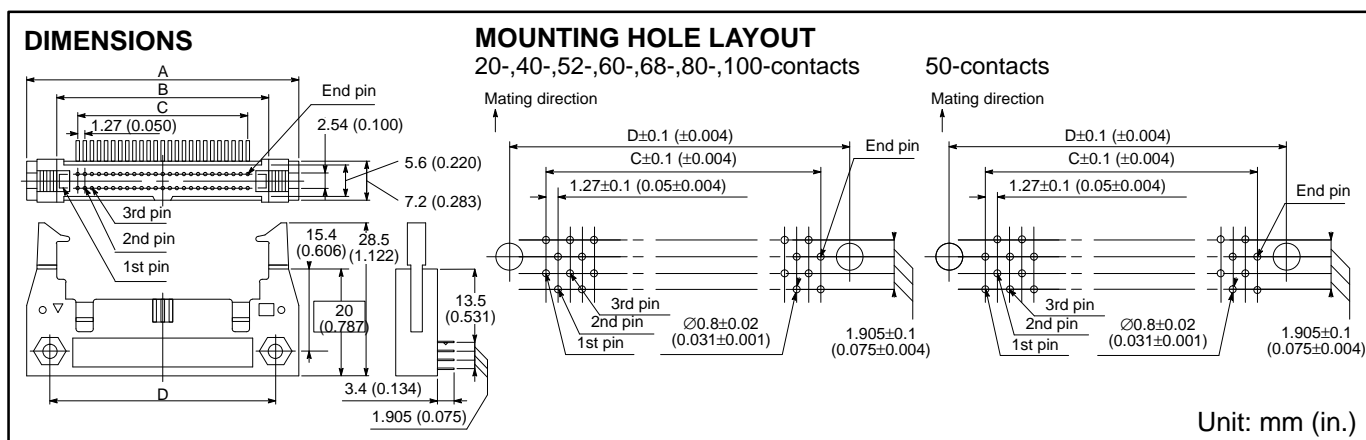


## FCN-234P\*\*\*-G/MA, BOARD PLUG



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## FCN-235P\*\*\*-G/MA, BOARD PLUG



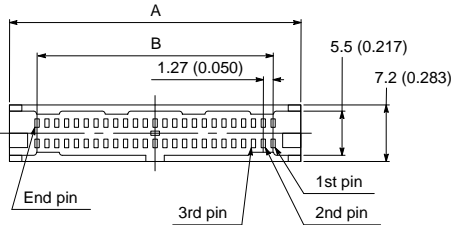
## PART NUMBERS

No. of Contacts	Part Number		Dimensions			
	Straight Type	Right Angle Type	A	B	C	D
20	FCN-234P020-G/MA	FCN-235P020-G/MA	30.40 (1.197)	18.77 (0.739)	11.43 (0.450)	21.59 (0.850)
40	FCN-234P040-G/MA	FCN-235P040-G/MA	43.10 (1.697)	31.47 (1.239)	24.13 (0.950)	34.29 (1.350)
50	FCN-234P050-G/MA	FCN-235P050-G/MA	49.45 (1.947)	37.82 (1.489)	30.48 (1.200)	40.64 (1.600)
52	FCN-234P052-G/MA	FCN-235P052-G/MA	50.72 (1.997)	39.09 (1.539)	31.75 (1.250)	41.91 (1.650)
60	FCN-234P060-G/MA	FCN-235P060-G/MA	55.80 (2.197)	44.17 (1.739)	36.83 (1.450)	46.99 (1.850)
68	FCN-234P068-G/MA	FCN-235P068-G/MA	60.88 (2.397)	49.25 (1.939)	41.91 (1.650)	52.07 (2.050)
80	FCN-234P080-G/MA	FCN-235P080-G/MA	68.50 (2.697)	56.87 (2.239)	49.53 (1.950)	59.69 (2.350)
100	FCN-234P100-G/MA	FCN-235P100-G/MA	81.20 (3.197)	69.57 (2.739)	62.23 (2.450)	72.39 (2.850)

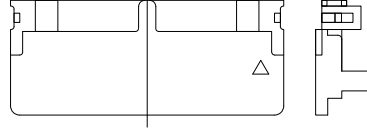
## FCN-237B\*\*\*-G/W IDC TYPE, CABLE SOCKET

### DIMENSIONS

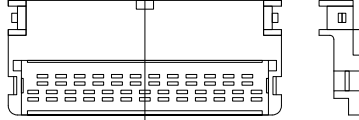
#### Cable Assembly



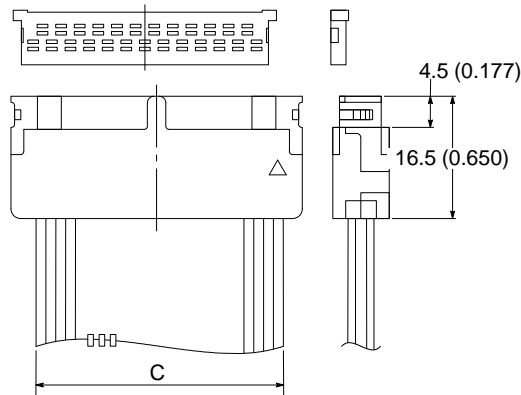
#### Body 1



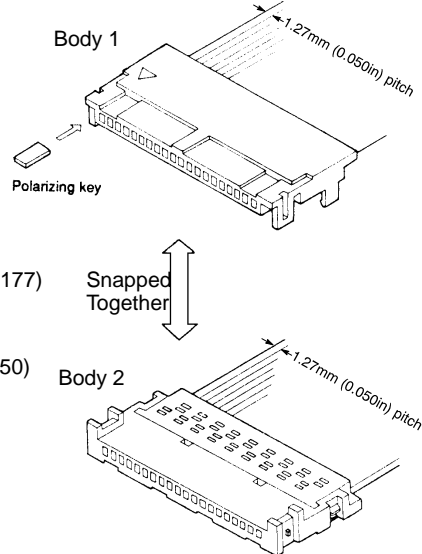
#### Body 2



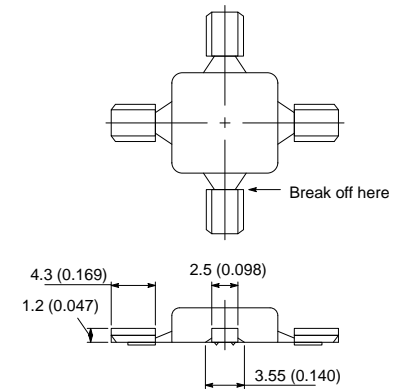
#### IDC cover (common to 1, 2)



### CABLE ASSEMBLY



### FCN-230A1, POLARIZING KEY



Part Number: FCN-230A1

### IDC TOOL

Tool	Part Number
Cable cutter	FCN-707T-T001/H
Hand press	FCN-707T-T101/H
Locator plate	FCN-237T-T058/H

Unit: mm (in.)

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### PART NUMBERS

No. of Contacts	Part Number	Dimensions		
		A	B	C
20	FCN-237B020-G/W	18.57 (0.731)	11.43 (0.450)	12.70 (0.500)
40	FCN-237B040-G/W	31.27 (1.231)	24.13 (0.950)	25.40 (1.000)
50	FCN-237B050-G/W	37.62 (1.481)	30.48 (1.200)	31.75 (1.250)
52	FCN-237B052-G/W	38.89 (1.531)	31.75 (1.250)	33.02 (1.300)
60	FCN-237B060-G/W	43.97 (1.731)	36.83 (1.450)	38.10 (1.500)
68	FCN-237B068-G/W	49.05 (1.931)	41.91 (1.650)	43.18 (1.700)
80	FCN-237B080-G/W	56.67 (2.231)	49.53 (1.950)	50.80 (2.000)
100	FCN-237B100-G/W	69.37 (2.731)	62.23 (2.450)	63.50 (2.500)