

# FCN-244\*/245\*\*\*\*-G/0

## FCN-240 Series Ribbon Contact Board Plug/Socket Connectors

### 1.27 mm PITCH, RIBBON CONTACT BOARD PLUG/SOCKET CONNECTORS

#### FEATURES

- The mating pin has a 1.27 mm (0.050 in.) pitch two-row configuration to enable high-density mounting.
- Ribbon contact provides excellent torsional strength.
- PCB terminal has a 4-row staggered arrangement (1.27 <0.05> x 1.905 <0.075> mm <in.>).
- The insulation material is UL (94 V-0) approved.

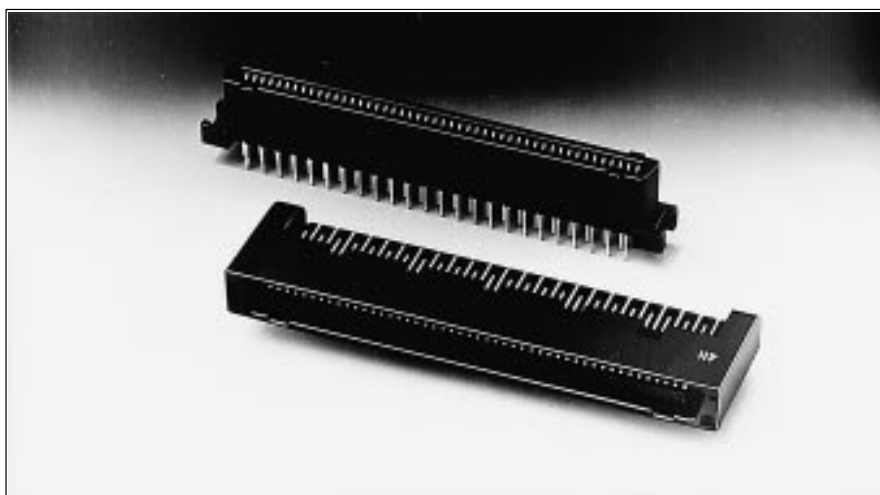
#### SPECIFICATIONS

Temperature Range	-55 to +105°C
Maximum Allowable Current	2 A DC
Maximum Allowable Voltage	240 VAC
Contact Resistance	35 mΩ max. (6 VDC, 0.1 A)
Insulation Resistance	1000 MΩ max. (500 VDC)
Dielectric Strength	750 VAC, 1 minute
Insertion Force	5.5 kg max. (68 contacts)
Withdrawal Force	1.36 kg min. (68 contacts)

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#### MATERIALS

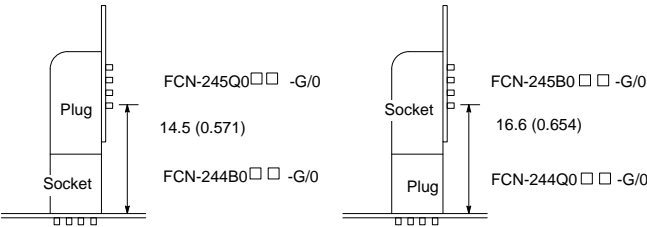
Conductor	Copper alloy
Insulator	Polyester (UL94V-0)
Contact Plating	Gold over palladium over nickel (PAGOS)



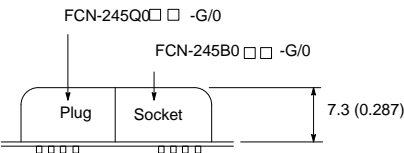
APPLICATIONS

PCB-TO-PCB CONNECTION

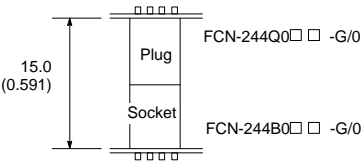
Vertical connection



Horizontal connection



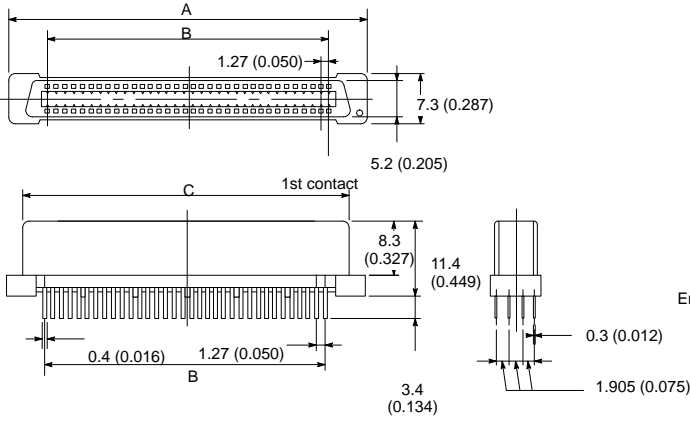
Parallel connection



Unit: mm (in.)

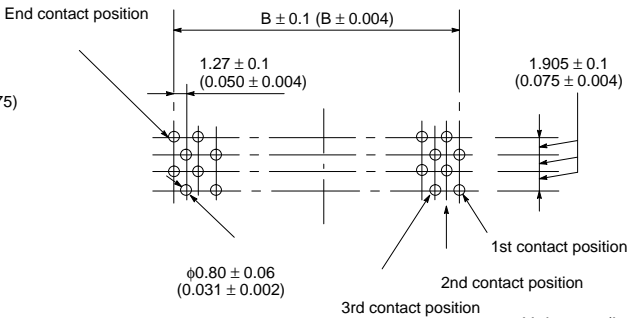
FCN-244B\*\*\*-G/0 STRAIGHT TYPE, BOARD SOCKET

DIMENSIONS



MOUNTING HOLE LAYOUT (FROM MOUNT SIDE)

48, 68, 80, 96 contacts

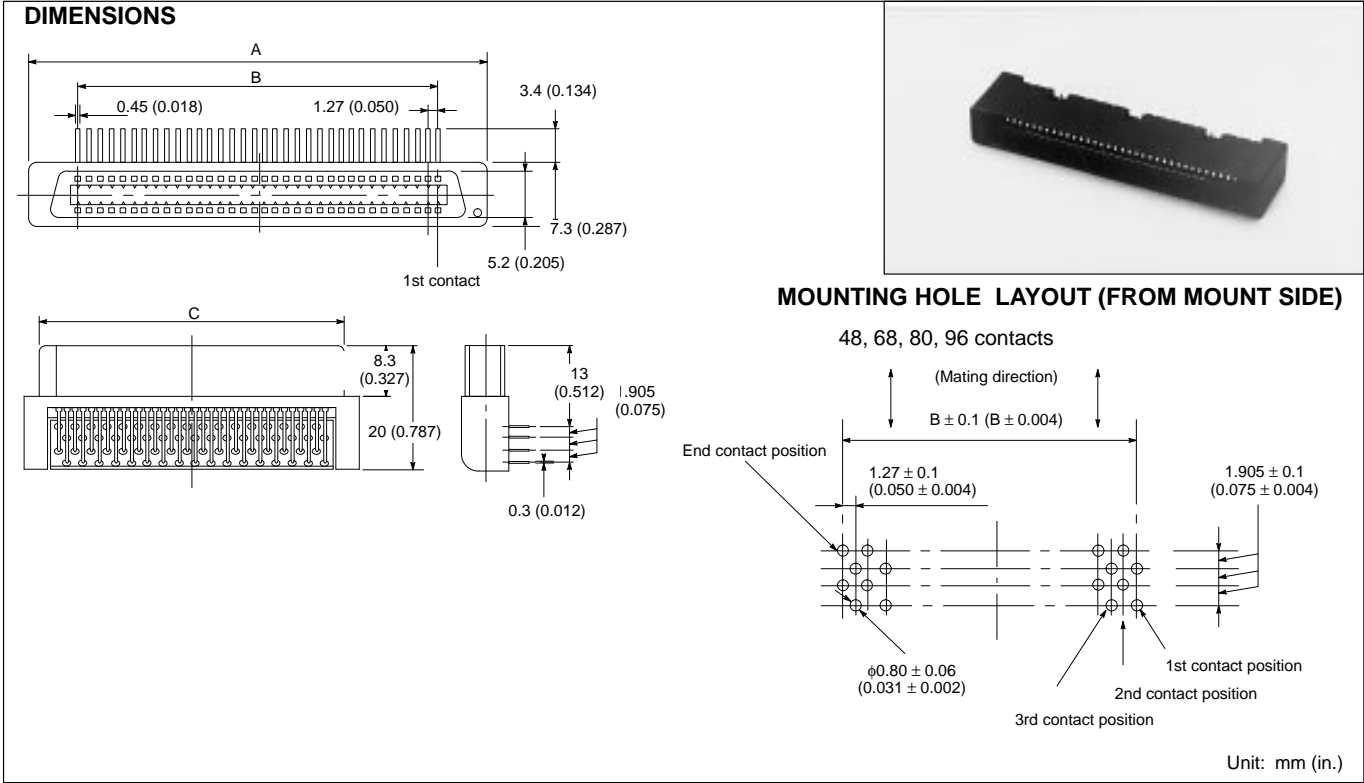


Unit: mm (in.)

PART NUMBERS

No. of Contacts	Part Number	Dimensions		
	Straight	A	B	C
48	FCN-244B048-G/0	40.52 (1.595)	29.21 (1.150)	35.72 (1.406)
68	FCN-244B068-G/0	53.22 (2.095)	41.91 (1.650)	48.62 (1.194)
80	FCN-244B080-G/0	60.84 (2.395)	49.53 (1.950)	56.24 (2.214)
96	FCN-244B096-G/0	71.00 (2.795)	59.69 (2.350)	66.20 (2.614)
128	FCN-244B128-G/0	91.32(3.595)	86.32(3.340)	81.92(3.185)

FCN-245B\*\*\*-G/0 RIGHT-ANGLE TYPE, BOARD SOCKET

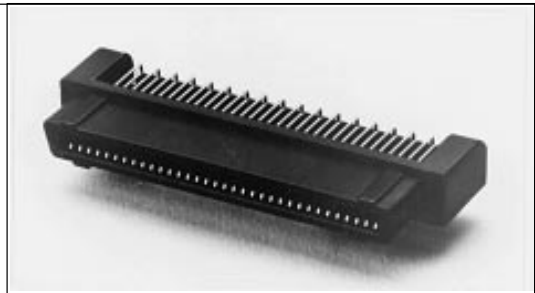
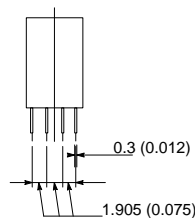
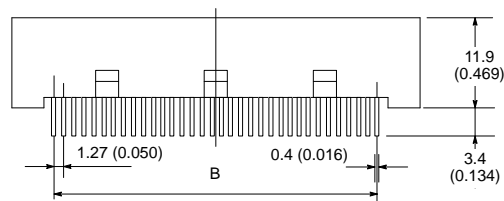
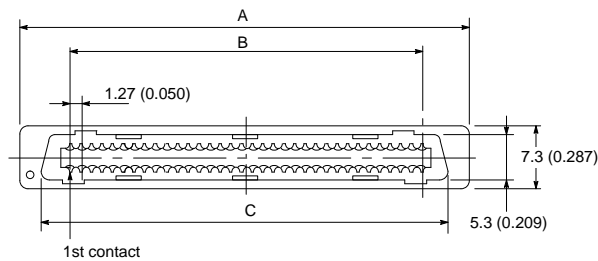


PART NUMBERS

No. of Contacts	Part Number	Dimensions		
	Right Angle	A	B	C
8	FCN-245B048-G/0	40.52 (1.595)	29.21 (1.150)	35.92 (1.414)
68	FCN-245B068-G/0	53.22 (2.095)	41.91 (1.650)	48.62 (1.914)
80	FCN-245B080-G/0	60.84 (2.395)	49.53 (1.950)	56.24 (2.214)
96	FCN-245B096-G/0	71.00 (2.795)	59.69 (2.350)	66.40 (2.614)
128	FCN-245B128-G/0	91.32(3.595)	86.32(3.340)	81.92(3.185)

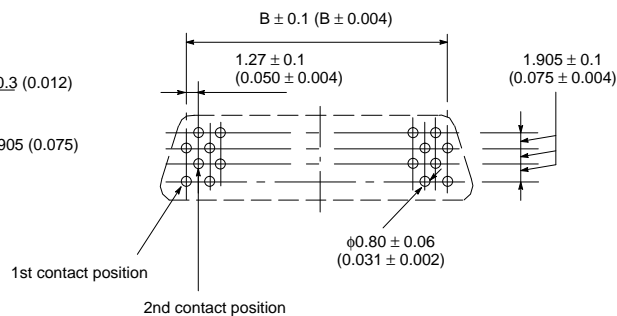
FCN-244Q\*\*\*-G/0 STRAIGHT TYPE, BOARD PLUG

DIMENSIONS



MOUNTING HOLE LAYOUT (FROM MOUNT SIDE)

48, 68, 96 contacts

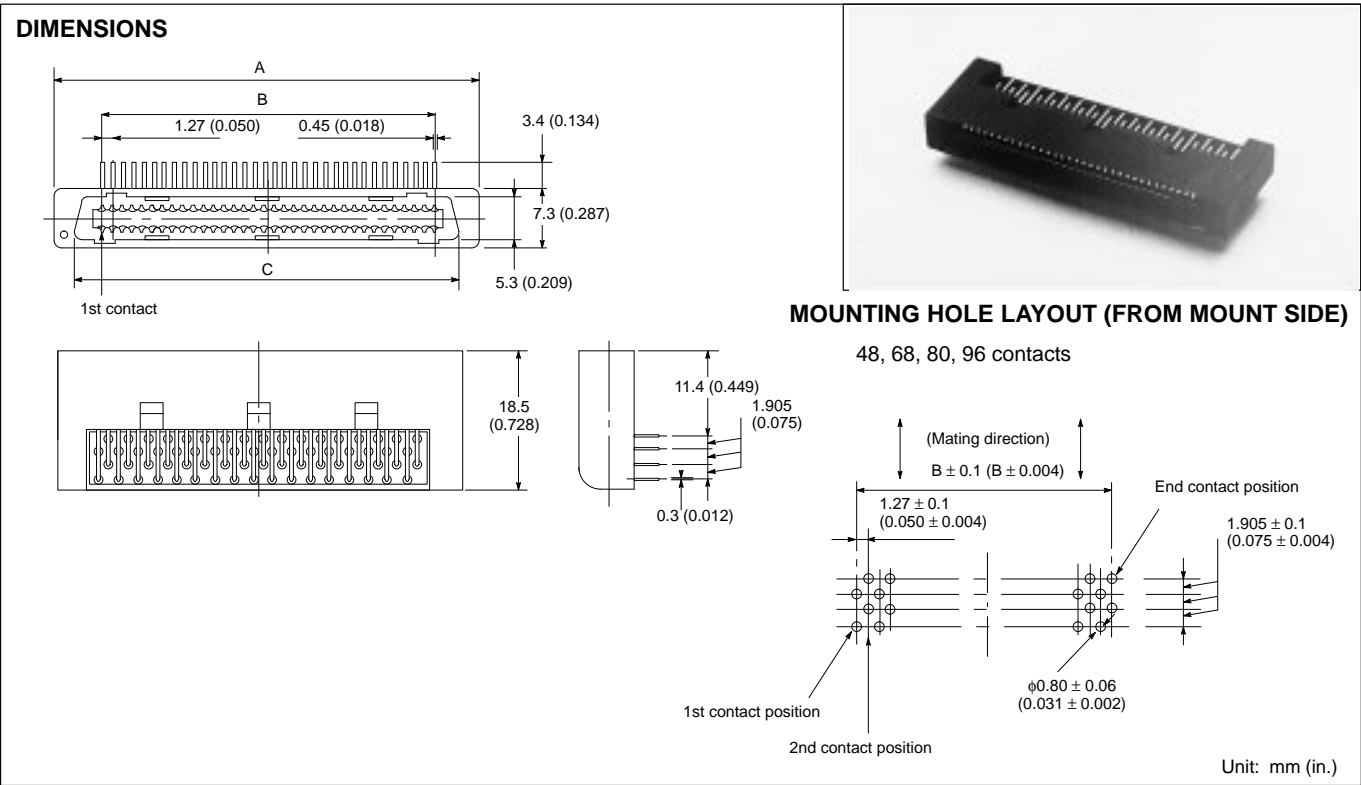


Unit: mm (in.)

PART NUMBERS

No. of Contacts	Part Number	Dimensions		
	Straight	A	B	C
48	FCN-244Q048-G/0	40.52 (1.595)	29.21 (1.150)	35.92 (1.414)
68	FCN-244Q068-G/0	53.22 (2.095)	41.91 (1.650)	48.62 (1.914)
96	FCN-244Q096-G/0	71.00 (2.795)	59.69 (2.350)	66.40 (2.614)

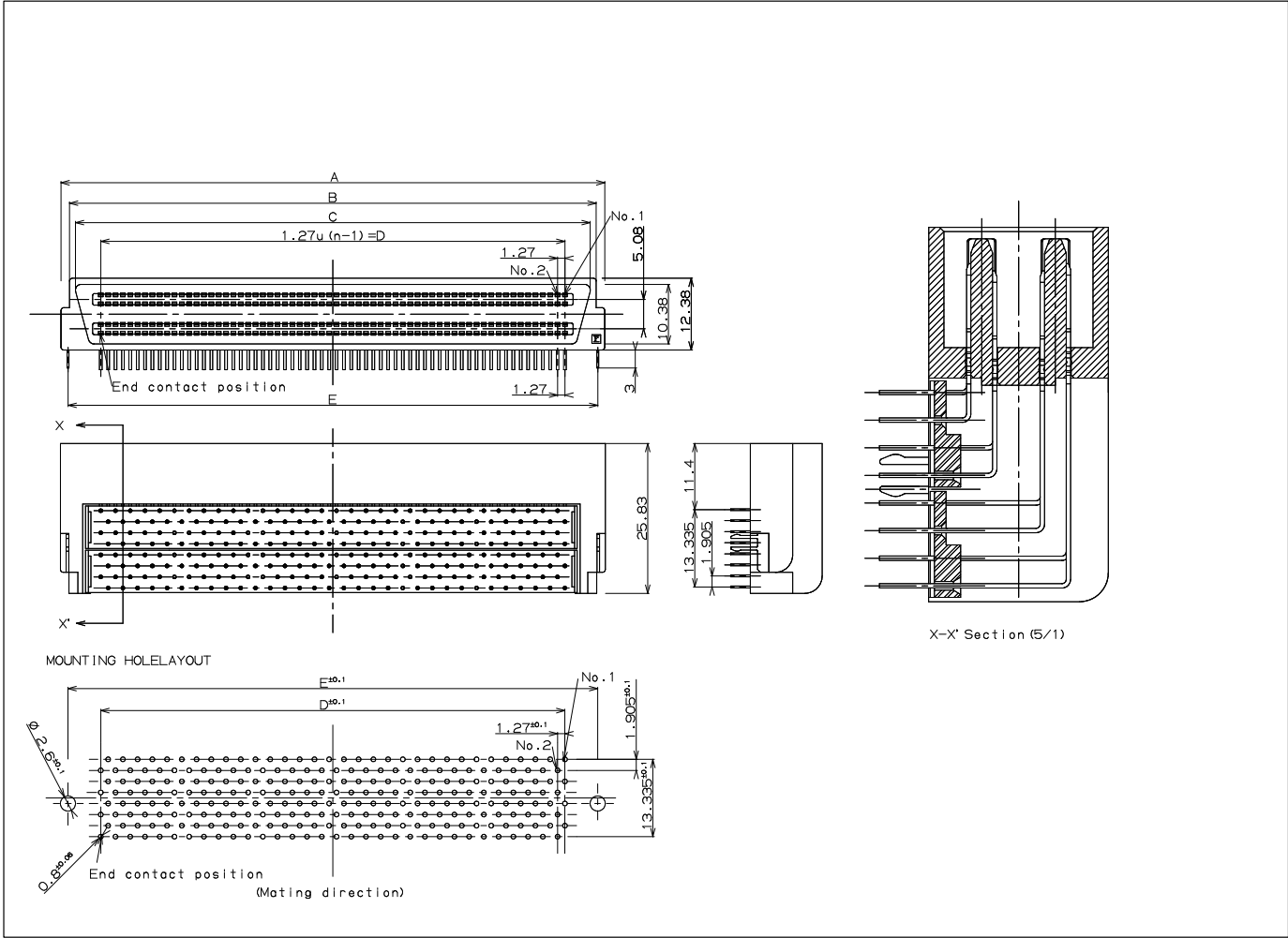
FCN-245Q\*\*\*-G/0 RIGHT-ANGLE TYPE, BOARD PLUG



PART NUMBERS

No. of Contacts	Part Number	Dimensions		
	Straight	A	B	C
48	FCN-245Q048-G/0	40.52 (1.595)	29.21 (1.150)	35.92 (1.414)
68	FCN-245Q068-G/0	53.22 (2.095)	41.91 (1.650)	48.62 (1.914)
80	FCN-245Q080-G/0	60.84 (2.395)	49.53 (1.950)	56.24 (2.214)
96	FCN-245Q096-G/0	71.00 (2.795)	59.69 (2.350)	66.40 (2.614)

FCN -245D\*\*\* -G/G RIGHT-ANGLE, BOARD PLUG



PART NUMBERS

Part Number	Pos.	N	A	B	C	D	E
*FCN-245Q128-G/G	128	32	53.10	50.15	48.30	39.37	50.68
*FCN-245Q144-G/G	144	36	58.18	55.23	53.38	44.45	55.76
*FCN-245Q160-G/G	160	40	63.26	60.31	58.46	49.53	60.84
FCN-245Q192-G/G	192	48	73.42	70.47	68.62	59.69	71.00
FCN-245Q224-G/G	224	56	83.58	80.63	78.78	69.85	81.16
FCN-245Q256-G/G	256	64	93.74	90.79	88.94	80.01	91.32

\* Pending

