

# FOR BOARD-TO-CABLE CONNECTION

## 240R SERIES

### ■ FEATURES

- 1.27 mm (0.050 in.) pitch contact arrangement enables high-density mounting.
- Bellows contacts ensure stable contact preventing pins from bending. The bellows contacts also have excellent stability with repeated insertion and extraction.
- Cables and connectors are assembled by discrete wire IDC.
- Connectors on the cable side provide superb EMI shielding/ESD protection with an inner-metal and outer-plastic dual cover.
- Conforms to IEEE 1284.C Interface
- Tails are spaced in a four-row staggered arrangement (2.54 mm × 1.905 mm) (0.100 in. × 0.075 in.) for easy PC board design.



### ■ SPECIFICATIONS

Item	Specifications
Operating temperature range	−55°C to +85°C
Current rating	DC 1 A
Voltage rating	AC 240 V
Contact resistance	50 mΩ max. (DC 20 mV, 10 mA)
Insulation resistance	1,000 MΩ min. (DC 500 V)
Dielectric withstand voltage	AC 750 V for 1 minute
Applicable wire	AWG #28 and #30 stranded wires with φ0.5 to 0.65 mm (0.020 to 0.026 in.) insulation diameter

### ■ MATERIALS

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

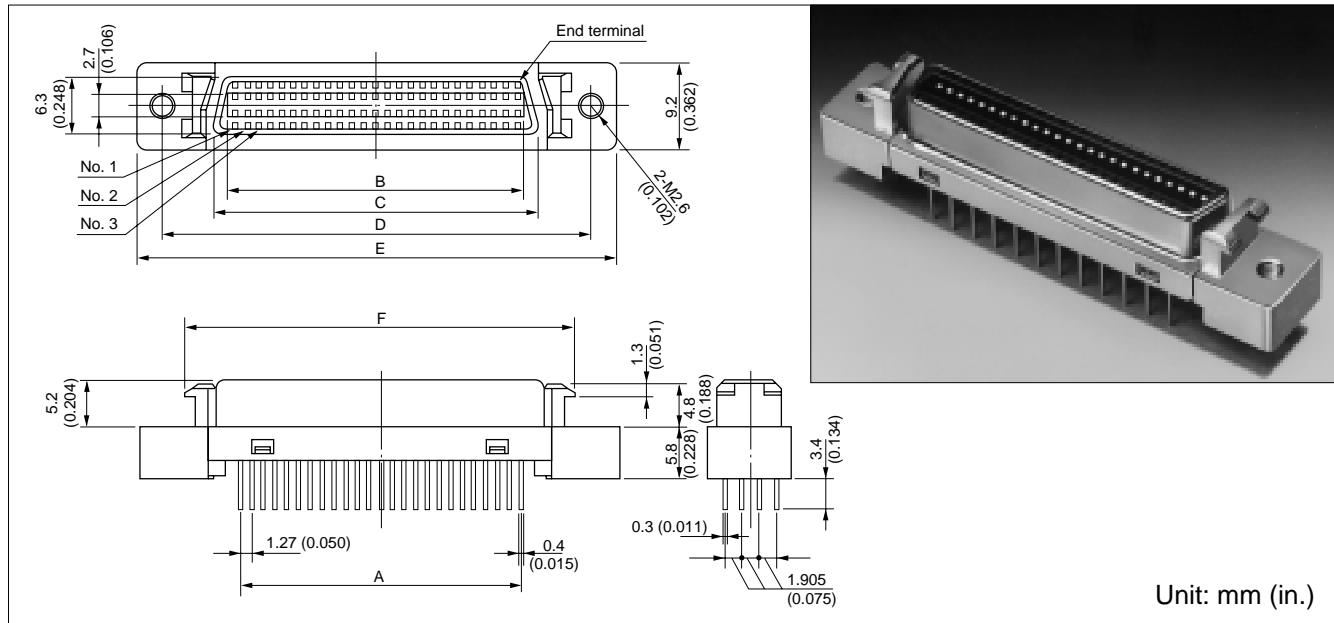
### ■ ORDERING CODE

FCN-24 5 D 050-G / E

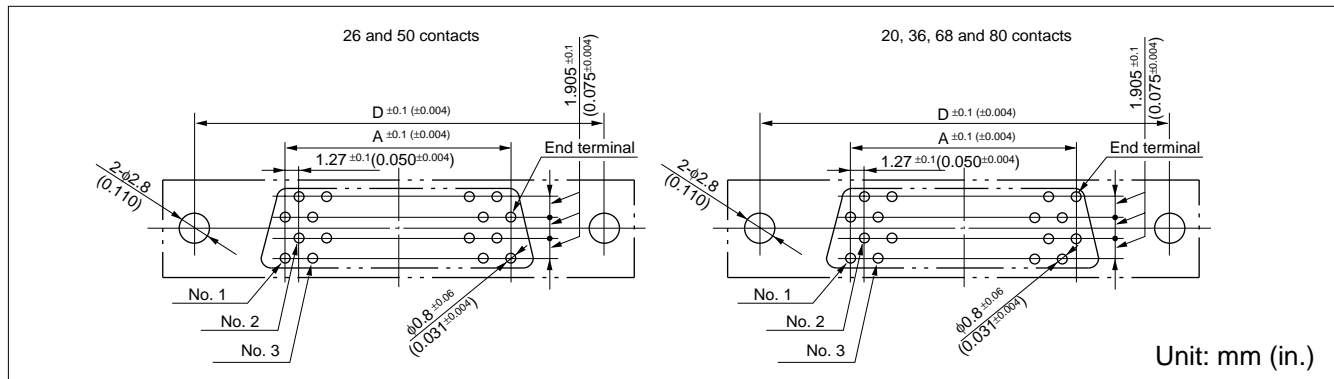
- E: Metal type (board side) or metal type for discrete wire IDC (cable side)
- G: Metal type for wire to wire heat bonded multi cable IDC
- S: Cover
- G: Gold plating
- A: Cover
- B: Wide-hole cover
- Number of contacts: 20, 26, 36, 50, 68, or 80
- Unit type
  - D: Socket
  - R: Plug
  - C: Cover
- Tail type
  - 0: Cover
  - 4: Straight
  - 5: Right-angle
  - 7: IDC
- 240 series
- Fujitsu connector

## STRAIGHT SOCKET

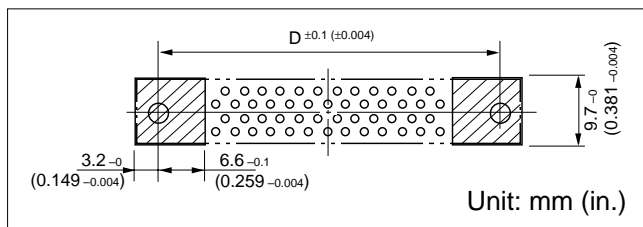
### ■ DIMENSIONS



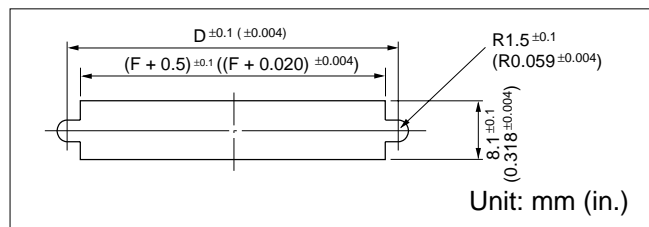
### ■ MOUNTING HOLE LAYOUT (COMPONENT SIDE)



### ■ PATTERN INHIBITED AREAS



### ■ RECOMMENDED PANEL DIMENSIONS



### ■ PART NUMBERS AND DIMENSIONS

Unit: mm (in.)

Number of contacts	Part number	A	B	C	D	E	F
20	FCN-244D020-G/E	11.43 (0.450)	13.45 (0.529)	16.45 (0.647)	27.45 (1.080)	33.35 (1.312)	23.30 (0.917)
26	FCN-244D026-G/E	15.24 (0.600)	17.26 (0.679)	20.26 (0.797)	31.26 (1.231)	37.16 (1.462)	27.11 (1.067)
36	FCN-244D036-G/E	21.59 (0.850)	23.61 (0.929)	26.61 (1.047)	37.61 (1.480)	43.51 (1.712)	33.46 (1.317)
50	FCN-244D050-G/E	30.48 (1.200)	32.50 (1.279)	35.50 (1.397)	46.50 (1.830)	52.40 (2.062)	42.35 (1.667)
68	FCN-244D068-G/E	41.91 (1.650)	43.93 (1.729)	46.93 (1.847)	57.93 (2.280)	63.83 (2.512)	53.78 (2.117)
80	FCN-244D080-G/E	49.53 (1.950)	51.55 (2.029)	54.55 (2.147)	65.55 (2.580)	71.45 (2.812)	61.40 (2.417)

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