

SCA.1, SCA. 2 INTERFACE CONNECTOR

240 SERIES (SCA)

■ FEATURES

- Half pitch connector conformed to SCA system (80 pins).
- Add mating guide and ESD protection to do plug-in safety and reliability (They are newly added on SCA. 2CN).
- Hot-plugging. Ground contacts mate first before other contacts mate when engagement is done (conforms to SCA.2 specification).
- To prevent pin-bending, bellows contacts are used.
- Plug: 2 types are available.
 - 1) The center of a SMT plug mates the center of a PCB.
 - 2) 0.9 mm (0.035 in.) off-set from center



■ SPECIFICATIONS

Item	Specifications
Operating temperature range	-55°C to +105°C
Current rating	DC 1 A
Voltage rating	AC 240 V
Contact resistance	40 mΩ max. (DC 6 V, 0.1 A)
Insulation resistance	1000 MΩ min. (DC 500 V)
Dielectric withstand voltage)	AC 750 V for 1 minute

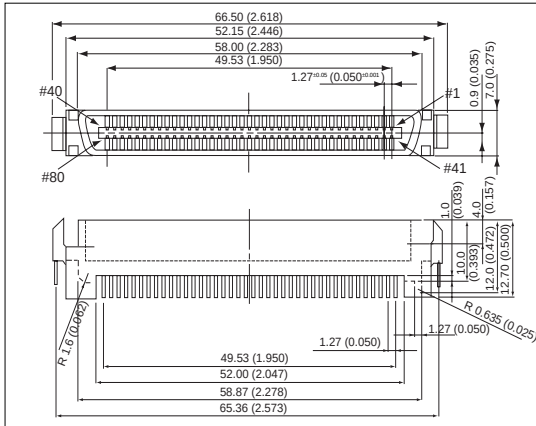
■ MATERIALS

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

240 Series (SCA.2)

PLUG, SMT [0.9 mm (0.035 in.) OFFSET] SCA.2

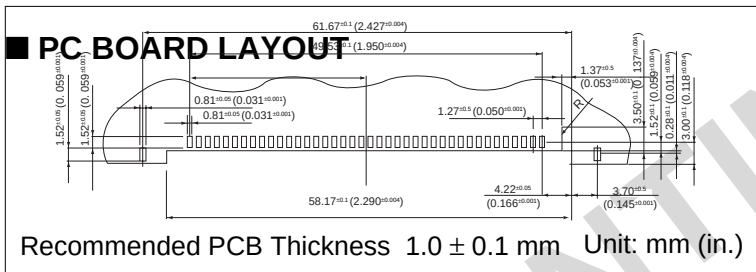
DIMENSIONS



Unit: mm (in.)

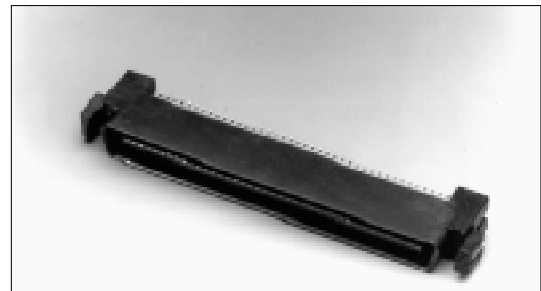
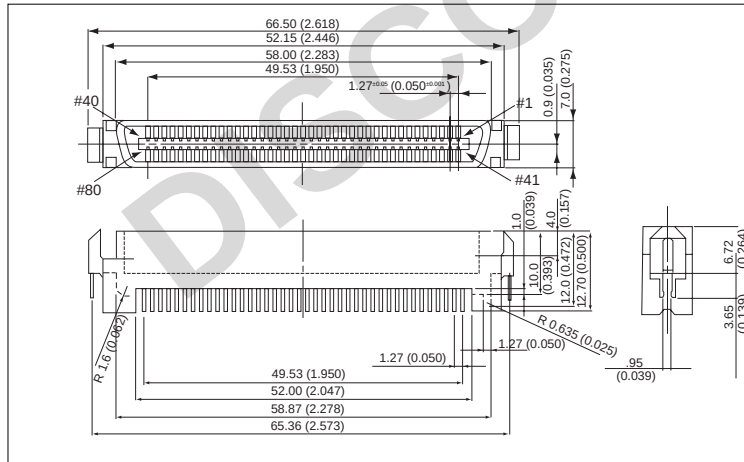
PART NUMBER

FCN-248Q080-L/DS



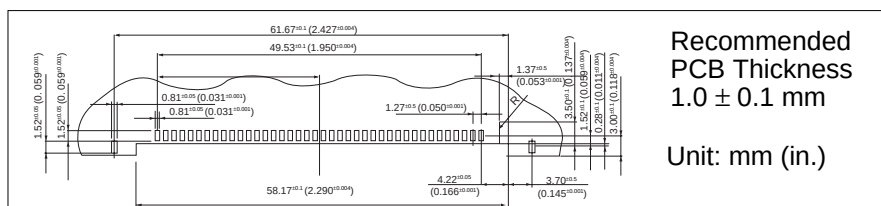
PLUG, SMT (STRADDLE MOUNT) SCA.2

DIMENSIONS



Unit: mm (in.)

PC BOARD LAYOUT



PART NUMBER

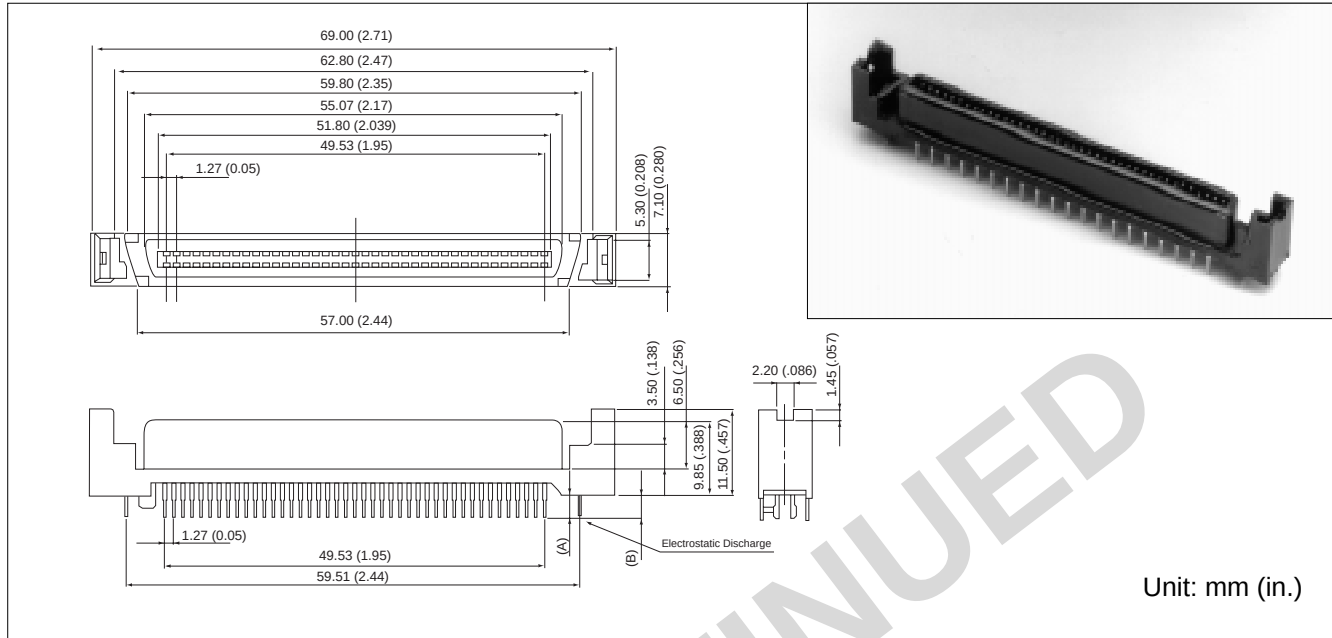
FCN-248Q080-L/ES

PLUG, SMT (STRADDLE MOUNT) FIBER CHANNEL

240 Series (SCA.2)

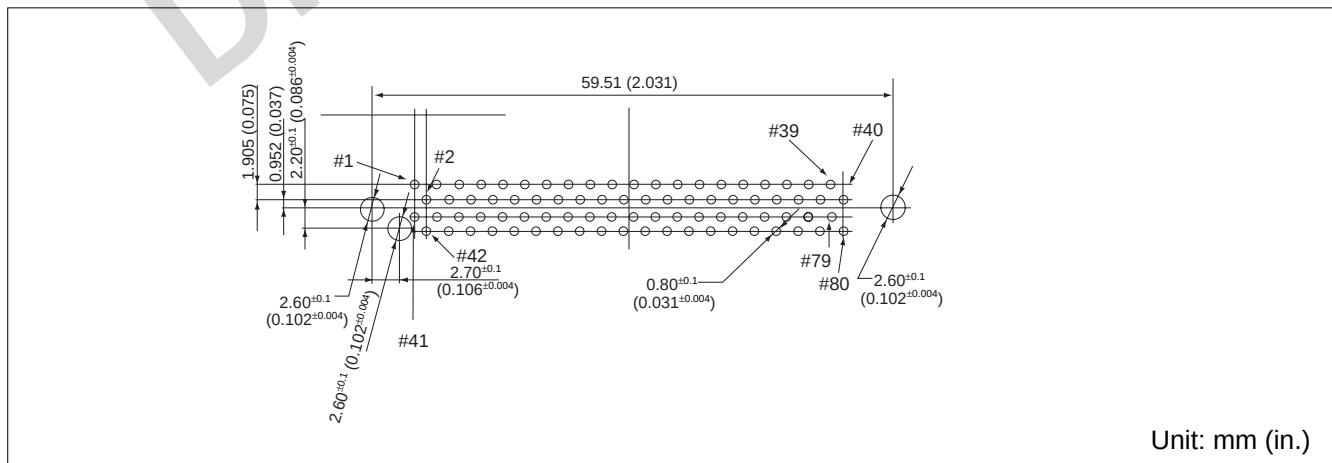
SOCKET, VERTICAL MOUNT

■ DIMENSIONS



RECOMMENDED PWB THICKNESS	PART NUMBER	SIGNAL CONTACT POST LENGTH (A)	ESD CONTACT POST LENGTH (B)
PT : 0.8 mm	FCN-244B080-L/CS	1.88 (0.074)	1.88 (0.074)
PT : 1.6 mm	FCN-244B080-L/BS	2.79 (0.110)	2.70 (0.106)
PT : 2.0 mm	FCN-244B080-L/DS	3.12 (0.123)	3.12 (0.123)
PT : 2.4 mm	FCN-244B080-L/ES	3.14 (0.124)	3.45 (0.136)
PT : 3.2 mm	FCN-244B080-L/FS	4.06 (0.160)	4.27 (0.168)

■ PC BOARD MOUNTING PATTERN



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