

FCN-745Q***-L/ZZ

FCN-740 SERIES SIGNAL/POWER CONNECTORS

SCSI CONNECTORS WITH INTEGRATED POWER TERMINALS

FEATURES

- High density mounting
- Recessed terminal arrangement for low profile design
- Removable plastic cover for preventing solder invasion
- Reinforced guide terminals for easy insertion and withdrawal of power contact.
- UL recognized material (UL94V-0)

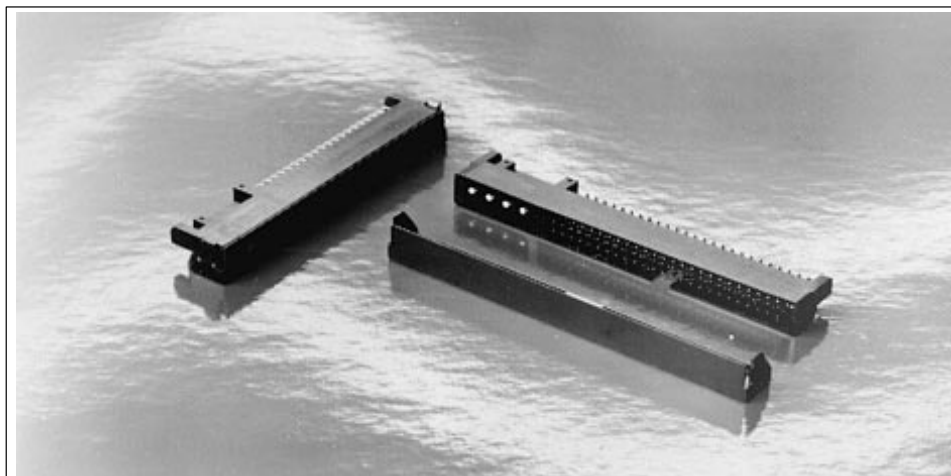
SPECIFICATIONS

Temperature range	-55 to +105°C	
Maximum allowable current	1A DC (signal), 5A DC (power)	
Maximum allowable voltage	250V AC	
Contact resistance	250mΩ max.(signal), 10mΩ max. (power) at 6V DC, 0.1A	
Insulation resistance	1,000MΩ min. (500 VDC)	
Dielectric strength	500V AC (signal), 1000V AC (power) for 1 minute	
Insertion force	17.5kg max.	: 50 pos signal
	14.0kg max.	: 40 pos signal
	8.8kg max. (reference)	: Power pin
Withdrawal force	2.0kg max.	: 50 pos signal
	1.5kg max.	: 40 pos signal
	0.8kg max. (reference)	: Power pin

MATERIAL

Insulator	Polyester (UL94V-0)	
Conductor	Copper alloy	
Plating	Signal contact	: Gold
	Signal terminal	: Palladium
	Power contact/terminal	: Tin
	Guide terminal	: Solder

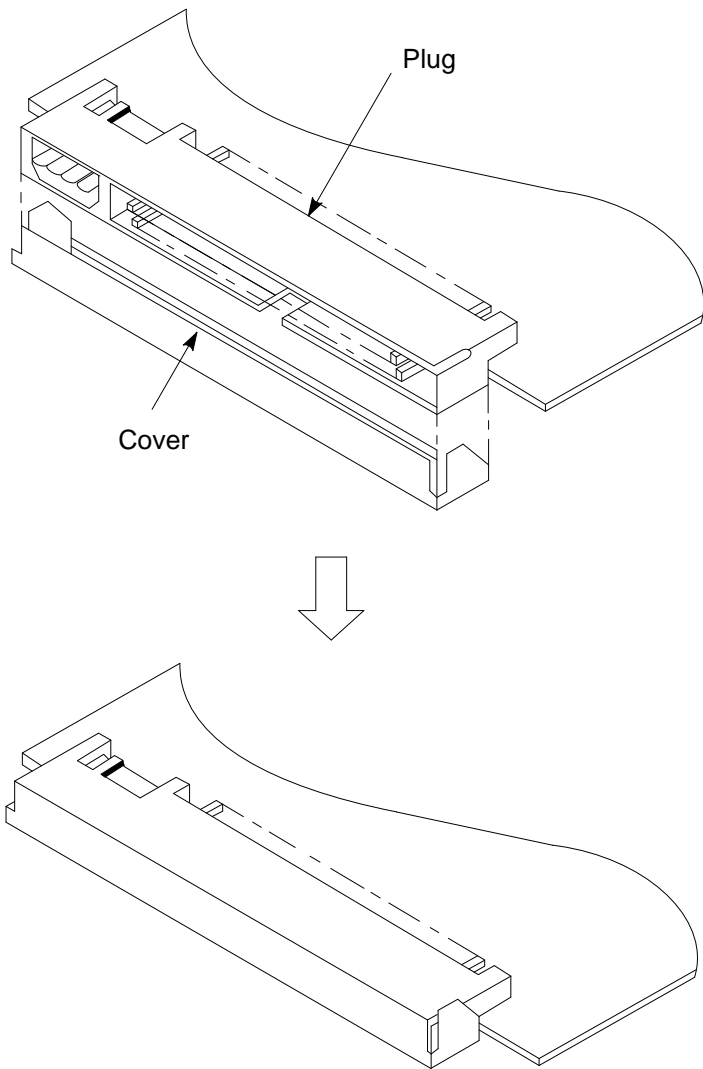
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PART NUMBERS

Pos no	Plug	Cover	Plug and cover	Applied cable socket
40	FCN-745Q040-L/ZZ	FCN-740C040-03	FCN-745Q040-L/ZZ-0C	FCN-607B040-G/C, -G/D
50	FCN-745Q050-L/ZZ	FCN-740C050-03	FCN-745Q050-L/ZZ-0C	FCN-607B050-G/C, -G/D

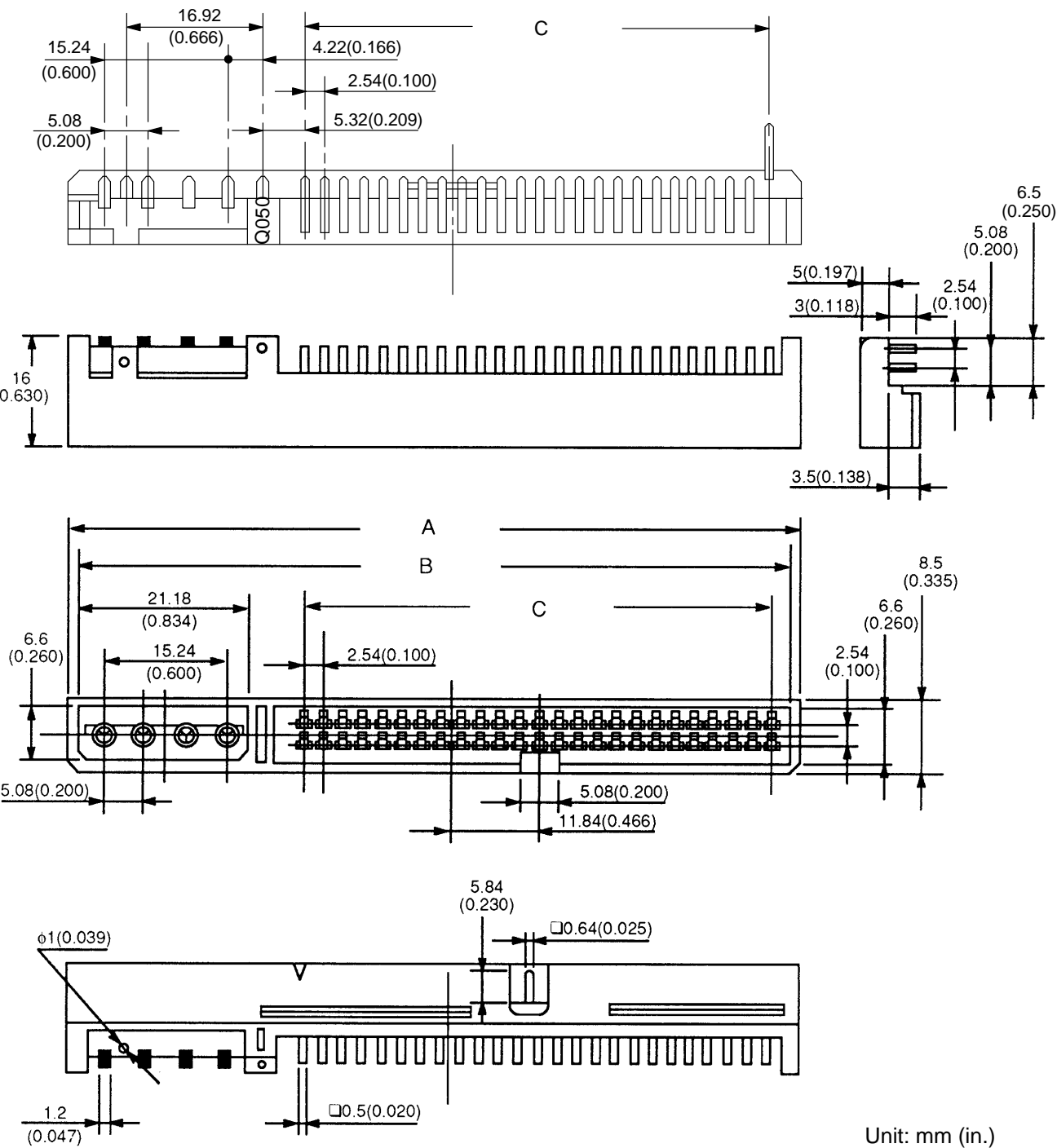
[Assembly of plug and cover]



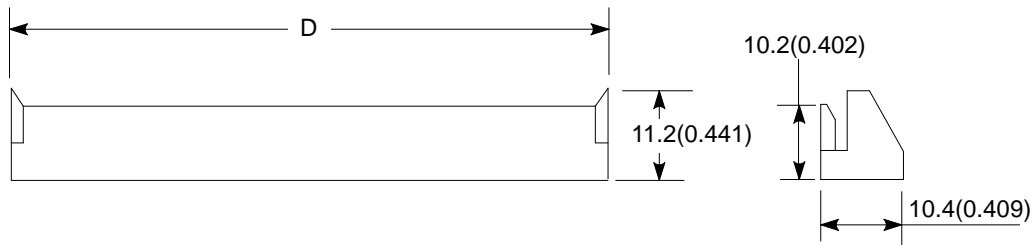
FCN-745Q0**-L/ZZ-0C RIGHT-ANGLE PLUG AND COVER

DIMENSIONS

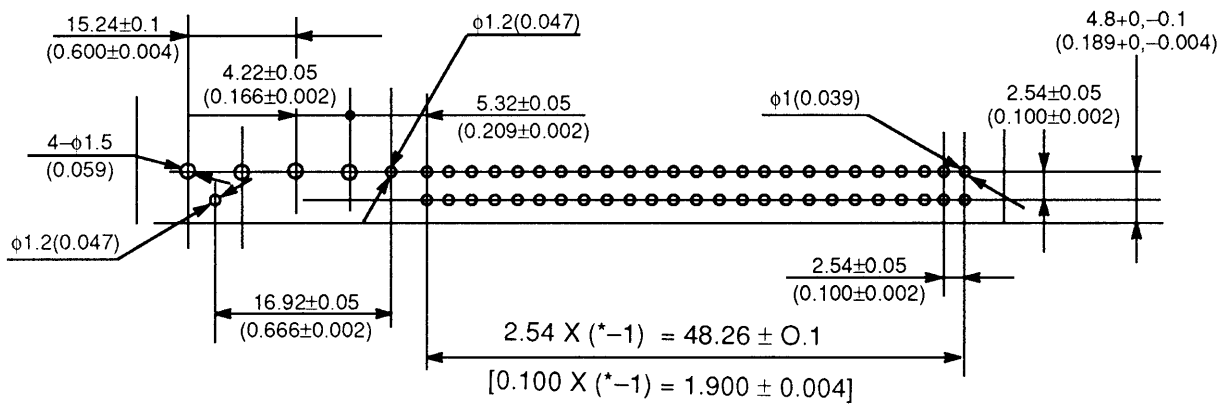
[Plug] Part number: FCN-745Q050-L/ZZ



DIMENSIONS (Continued)



[Mounting hole layout] From mounting side



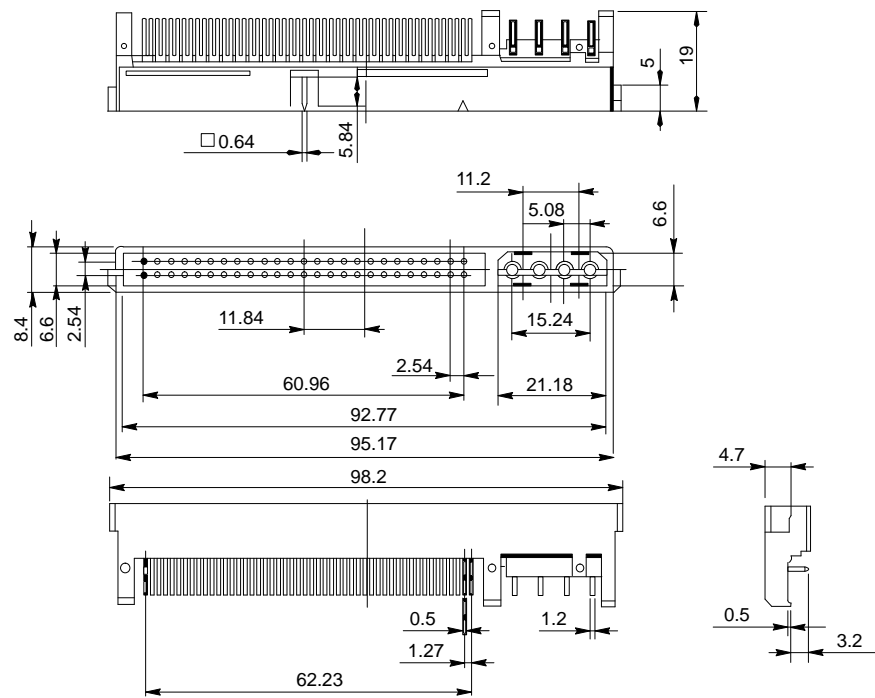
* = number of signal contacts

Unit: mm (in.)

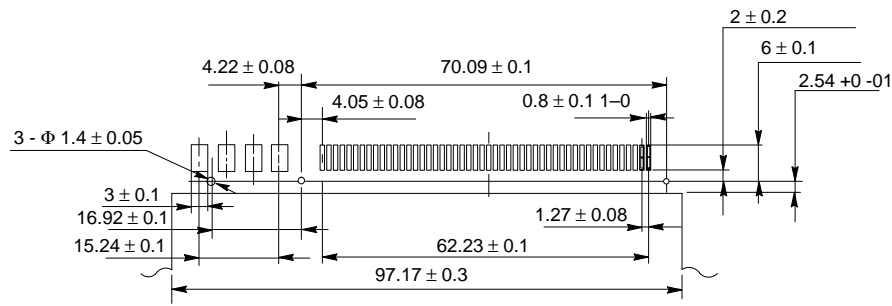
	A	B	C	D
FCN-745Q040-L/ZZ-0C	82.47 (3.247)	80.07 (3.152)	48/26 (1.900)	84.67 (3.333)
FCN-745Q050-L/ZZ-0C	95.17 (3.747)	92.77 (3.652)	60.96 (2.400)	97.37 (3.833)

FCN-748Q050-L/ZZ (SMT)

DIMENSIONS



Mounting Hole Layout



FCN-748Q050-L/ZZ – 40 position also available