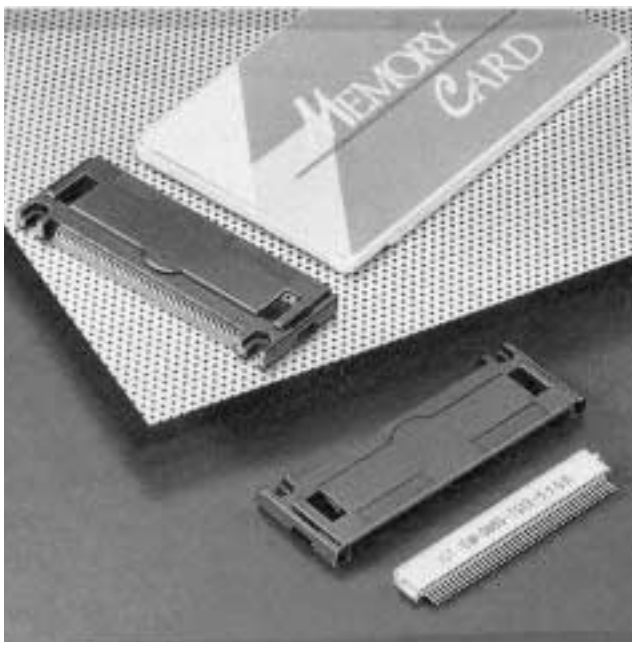
JST
DRAM Card
1.0mm (.039") pitch

DRAM CARD CONNECTOR D TYPE

88-circuit DRAM PC card connectors



This 1.0mm (.039") pitch 88-circuit PC card connector conforms to JEIDA (Japan) DRAM Ver. 1.0. The socket has a reliable three point contact system which provides low contact resistance in spite of low insertion force.

Features

• *0.5mm (.020") pitch header SMT solder tails*

The SMT header solder tails are 0.5mm (.020") pitch, single row configured to make inspection easy and touch-up simple after reflow-soldering.

• *Fully protected against static electricity*

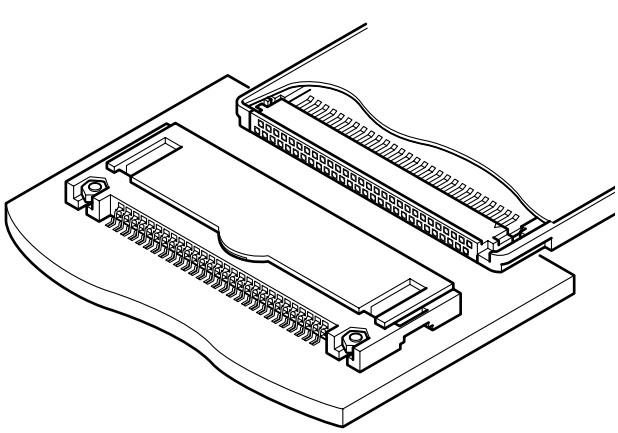
The distance between the end of the card and the contacts is large enough to protect memory data from destruction by static electricity.

• *Card and pin protection barrier*

The insulator body of the header has a three sided shroud over its pins to prevent misinsertion of the IC memory card and possible deformation of the header pins. The wall has openings to accept the card ejector mechanism.

• *High contact reliability and low insertion force*

The socket contact has three contact points; two dimples and a spring contact which assure high contact reliability and low insertion force.



Specifications

- Current rating: 0.5A AC, DC/line
- Temperature range: -40˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/40m Ω max.
  After environmental testing/max.
  20m Ω variation from initial value
- Withstanding voltage: 500V AC/minute
- Insulation resistance: 1,000M Ω min. (500V DC)
- Mating/unmating life: 10,000 cycles
- Circuits: 88-circuits

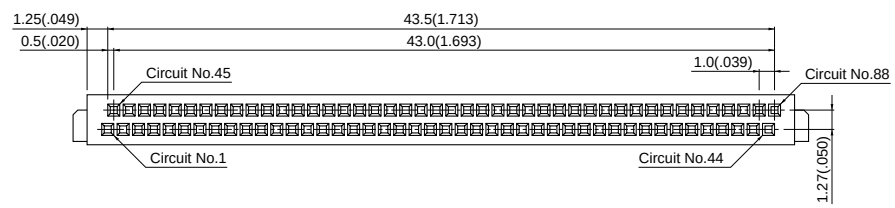
* Contact JST for details.

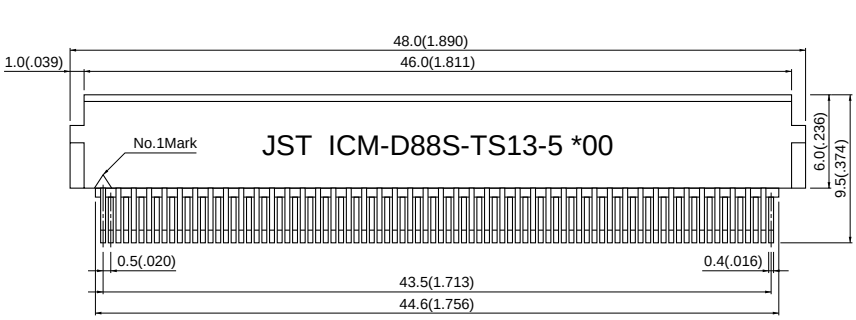
Standards

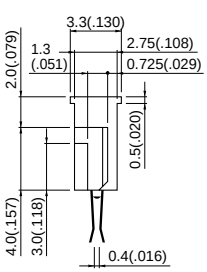
Recognized E60389

Certified LR20812

Socket





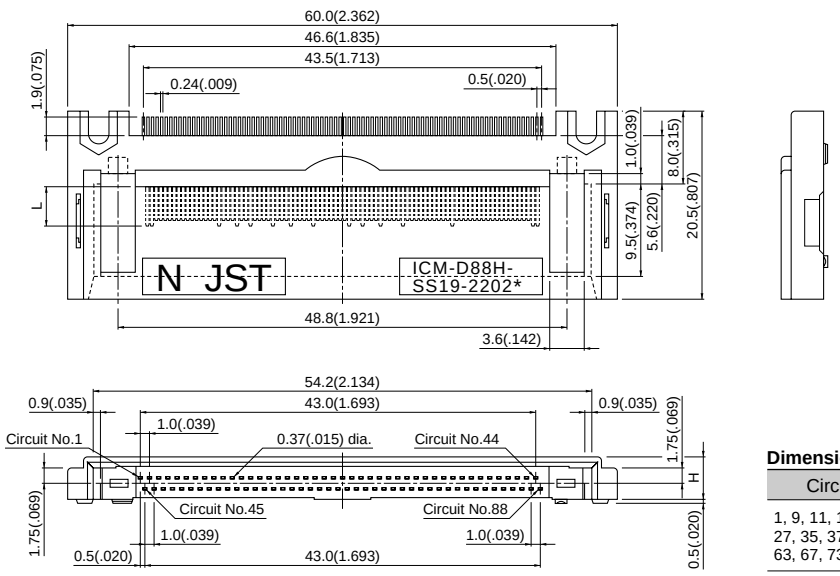


Circuits	Model No.	Q´ty / box
88	**ICM-D88S-TS13-5 *00** *1...natural (ivory) 0...black	500

Material and Finish
Contact: Beryllium copper, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: Modified polyamide, UL94V-0

Header / SMT type

Normal type



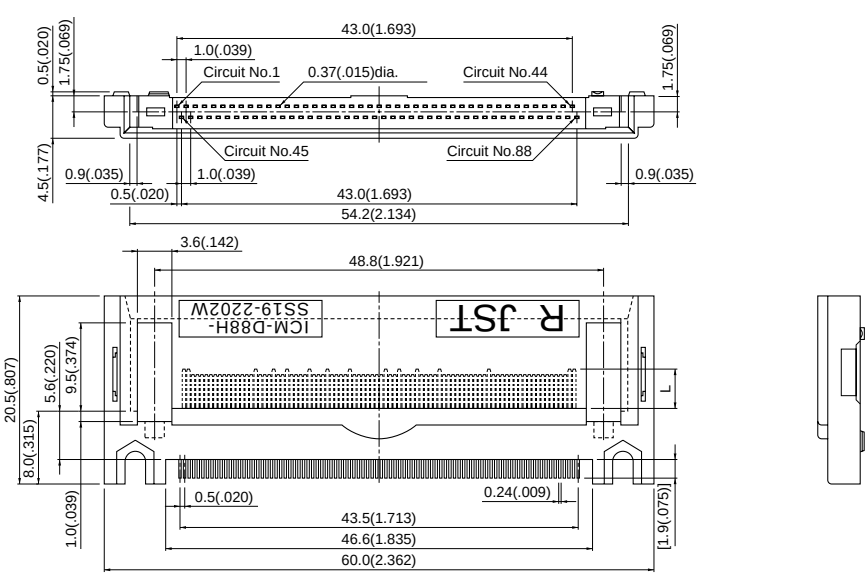
Dimension L

Circuit No.	Dimensions mm(in.)
1, 9, 11, 15, 17, 25 27, 35, 37, 44, 45, 56, 63, 67, 73, 88	4.6±0.2(.181±.008)
Other pins	3.8±0.2(.150±.008)

Circuits	Model No.	Dimension H mm(in.)	Q´ty / box
88	**ICM-D88H-SS19-2202V**	4.5 (.177)...Stand-off 0mm	100
	ICM-D88H-SS19-2202Y	4.65(.183)...Stand-off 0.5mm(.020")	

Material and Finish
Contact: Copper alloy, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: PPS, UL94V-0, natural (brown)

Reverse type



Dimension L

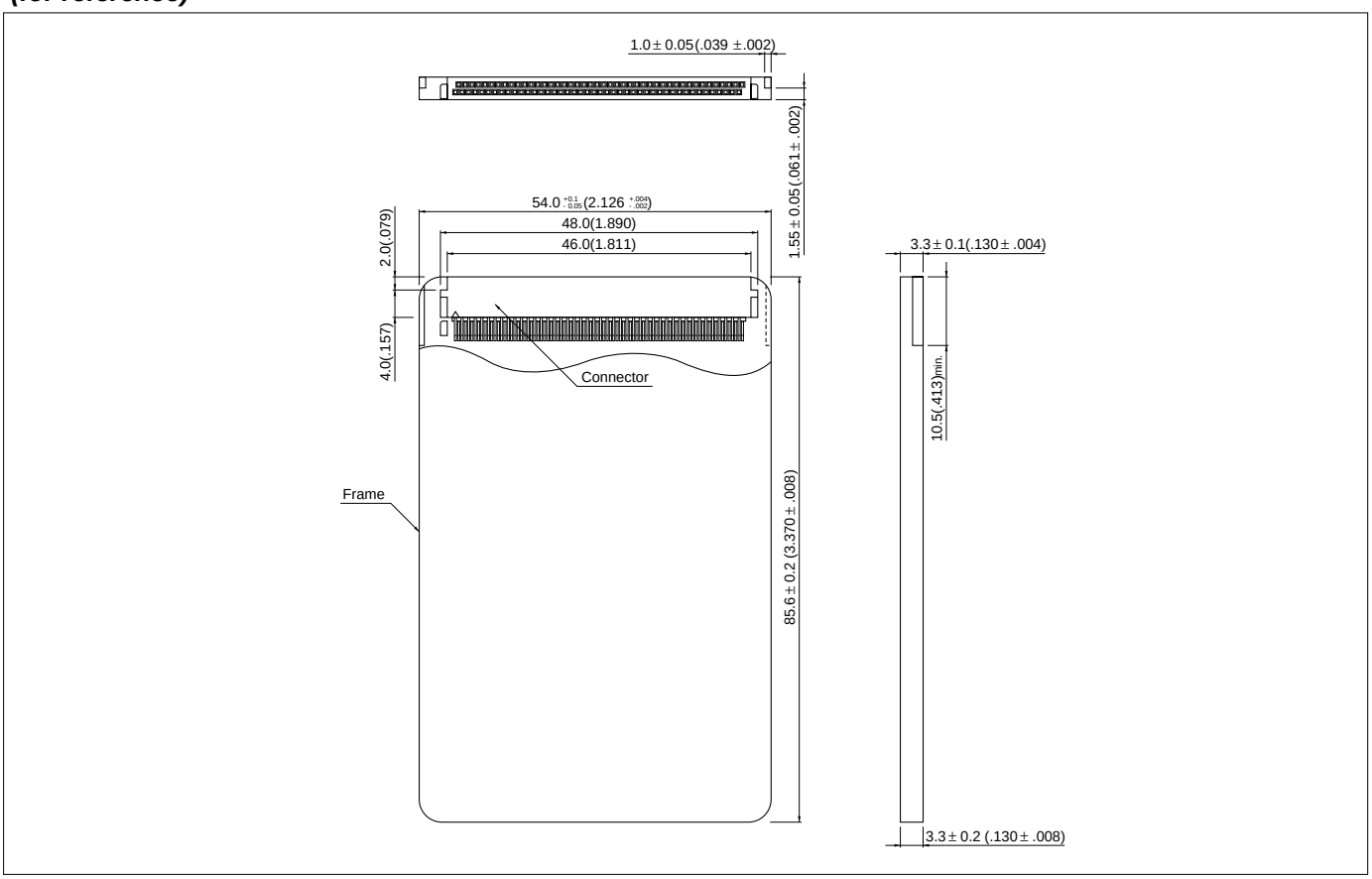
Circuit No.	Dimensions mm(in.)
1, 9, 11, 15, 17, 25 27, 35, 37, 44, 45, 56, 63, 67, 73, 88	4.6±0.2(.181±.008)
Other pins	3.8±0.2(.150±.008)

Circuits	Model No.	Q´ty / box
88	**ICM-D88H-SS19-2202W**	100

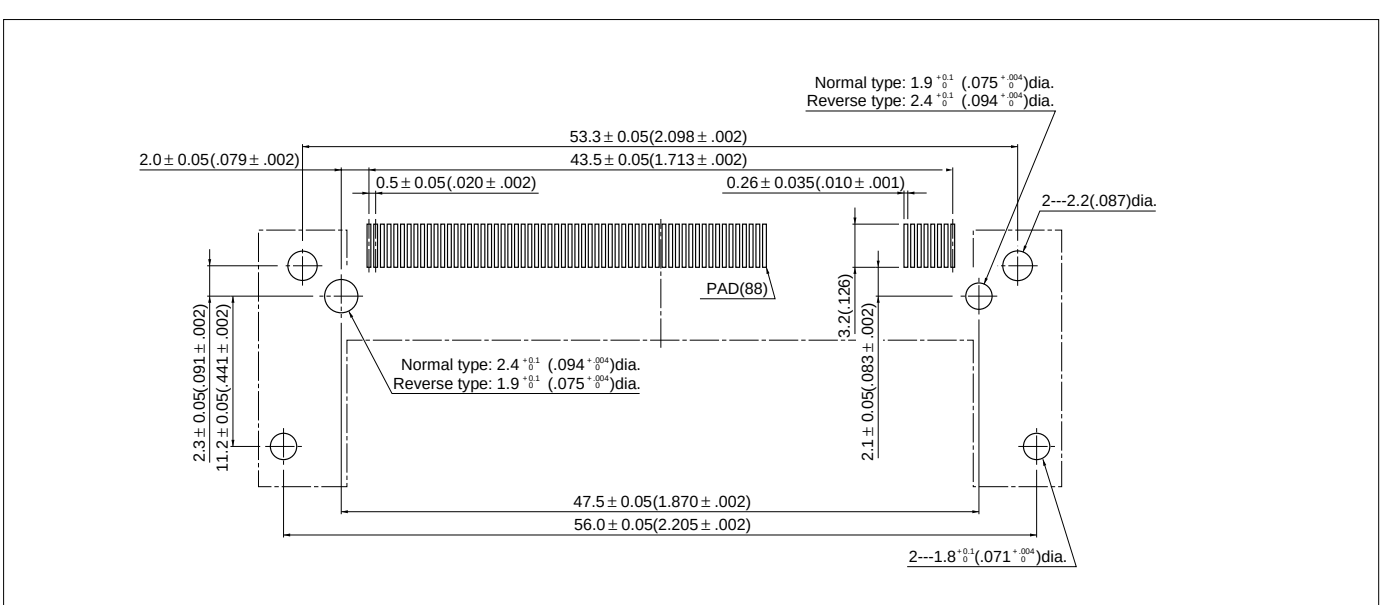
Material and Finish
Pin: Copper alloy, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: PPS, UL94V-0, natural (brown)

DRAM CARD CONNECTOR D TYPE

Typical dimensions of PC card with DRAM card connector D type
(for reference)



PC board layout (viewed from component side)



Note: 1. The dimensions above should serve as a guideline. Contact JST for details.
2. Tolerances are non-cumulatire: ±0.05mm(±.002") for all centers.