

JSTCF
Card1.27mm
(.050") pitch

CF CARD CONNECTOR MA TYPE

Emboss Tape



50-circuit CF card connector



Features

• Frame kit

The kit is assembled by ultrasonic welding method which provides strong and heat resistant assembly with less time.

• Socket

Three types of sockets are available:-

SMT configuration off-set by 0.2mm (.008")

SMT configuration off-set by 0.75mm (.030)

Dual-row straddle type, designed to accommodate PCB between the two solder tail rows.

The SMT types can be packaged in embossed tape for automatic mounting.

• Header

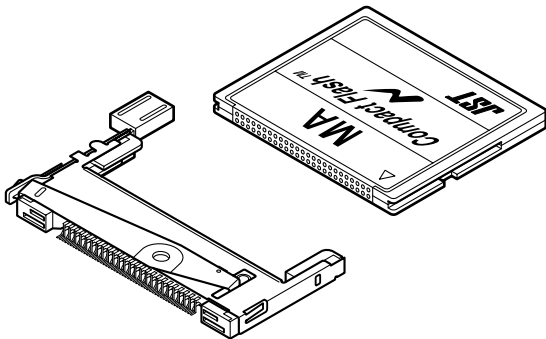
Headers are single-row 0.635mm (.025") pitch SMT configuration. There are two available stand-off heights, 0mm or 1.64mm (.065").

• Ejector

The assembly of the ejector mechanism to the mounted header is a simple one-touch operation. The ejector also makes contact with the solder tabs of the header, thus preventing static electricity.

• Adapter card

The use of the adapter card allows existing equipment with PCMCIA slots, the facility to use the newly developed Compact Flash Technology.



Specifications

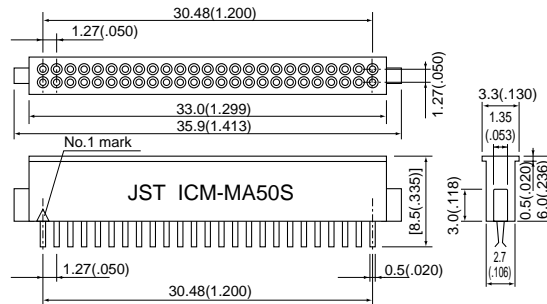
- Pitch: 1.27mm (.050")
 - Type: Dual-row at mating section
 - Current rating: 0.5A AC, DC/line
 - Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
 - Contact resistance: Initial value/40m Ω max
After environmental testing/max.
20m Ω variation from initial value
 - Insulation resistance: 1,000M Ω min. (500V DC)
 - Withstanding voltage: 500V AC/minute (Except for Adapter cards)
 - Mating/unmaking life: 10,000 cycles
 - Circuits: 50-circuits
- * Contact JST for details.

JST

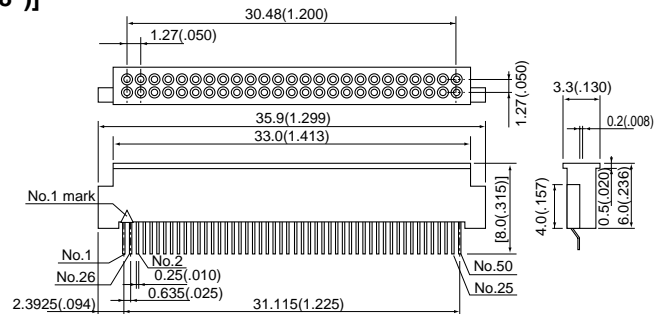
CF CARD CONNECTOR MA TYPE

Socket

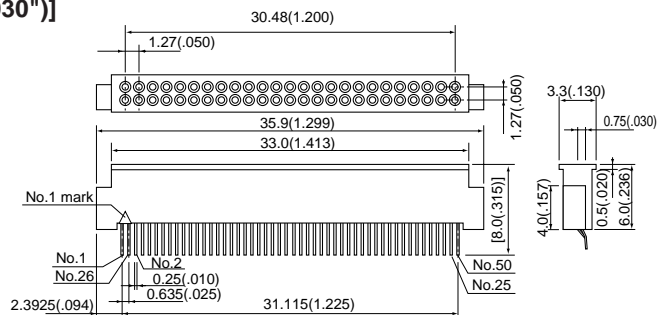
<Type1> Dual-row straddle type



<Type2> SMT type [0.2mm (.008")]



<Type3> SMT type [0.75mm (.030")]



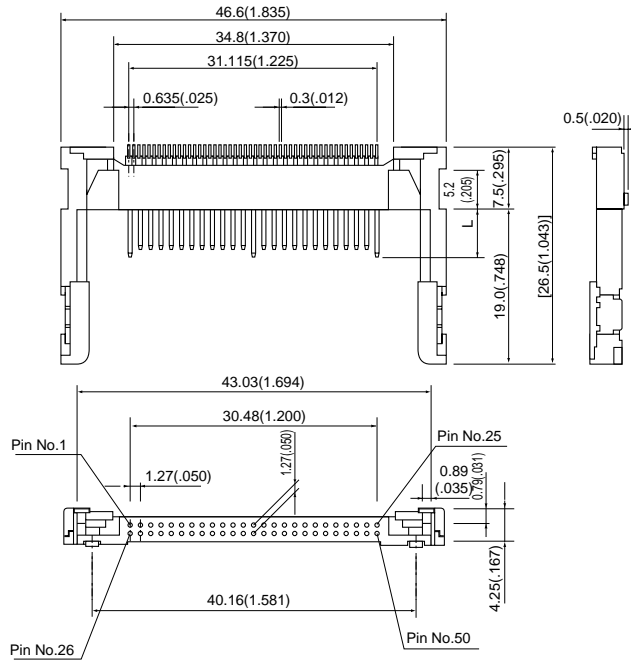
Circuits	Type	Model No.	Qty/box	Qty/real	Material and Finish
50	1	ICM-MA50S-TS13-5000A	600	—	Contact: Beryllium copper nickel-undercoated, Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: PA6T, UL94V-0
	2	ICM-MA50S-TS13-5001T	—	1,500	
	3	ICM-MA50S-TS13-5002T	—	1,500	

Note: ICM-MA50S-TS13-5001T and ICM-MA50S-TS13-5002T are supplied on embossed-tape.

CF CARD CONNECTOR MA TYPE

Header

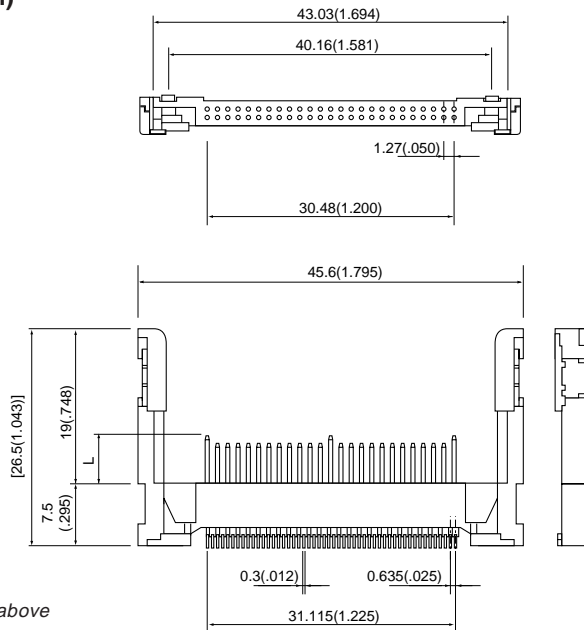
Normal type (Stand off 0mm)



Dimension L

Pin No.	Dimensions mm (in.)
1, 13, 38, 50	5.0 ± 0.1 (.197 ± .004)
2 to 12, 14 to 24, 27 to 37, 39 to 49	4.25 ± 0.1 (.167 ± .004)
25, 26	3.5 ± 0.1 (.138 ± .004)

Reverse type (Stand off 0mm)



Dimension L

Pin No.	Dimensions mm (in.)
1, 13, 38, 50	5.0 ± 0.1 (.197 ± .004)
2 to 12, 14 to 24, 27 to 37, 39 to 49	4.25 ± 0.1 (.167 ± .004)
25, 26	3.5 ± 0.1 (.138 ± .004)

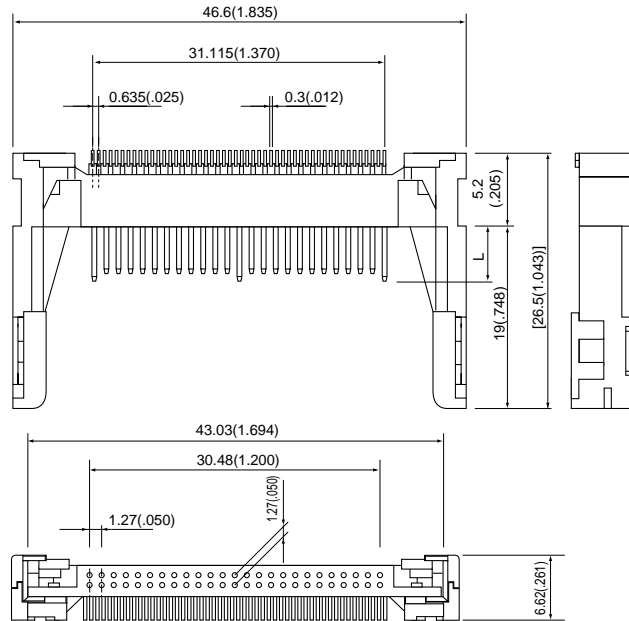
Note: Pin nos. are the same as the above Normal type (Stand off 0mm).

Circuits	Type	Model No.	Qty/box	Material and Finish
50	Nomal	ICM-MA50H-SS52-1151	120	Contact: Phosphor bronze, nickel-undercoated, Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: PPS, UL94V-0 Solder tab: Brass, nickel-undercoated, Tin-plated
	Reverse	ICM-MA50H-SS52-1171	120	

CF CARD CONNECTOR MA TYPE

Header

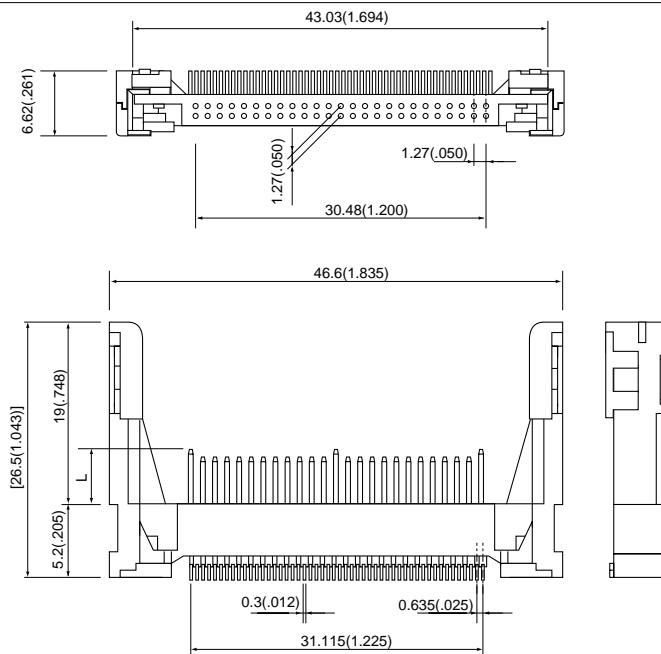
Normal type
(Stand off 1.64mm (.065"))



Dimension L

Pin No.	Dimensions mm (in.)
1, 13, 38,50	5.0 ± 0.1(.197±.004)
2 to 12, 14 to 24, 27 to 37, 39 to 49	4.25 ± 0.1(.167±.004)
25, 26	3.5 ± 0.1(.138±.004)

Reverse type
(Stand off 1.64mm(.065"))



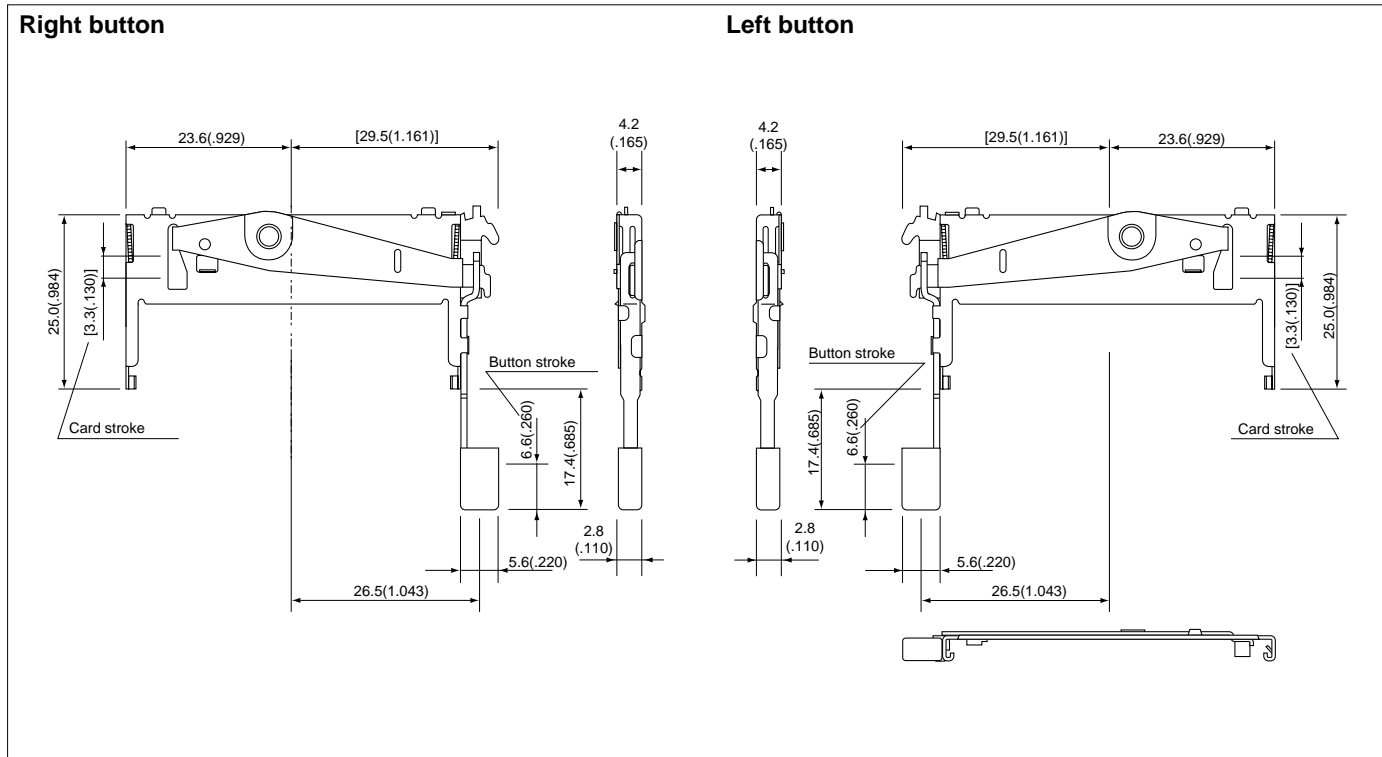
Dimension L

Pin No.	Dimensions mm (in.)
1, 13, 38,50	5.0 ± 0.1(.197±.004)
2 to 12, 14 to 24, 27 to 37, 39 to 49	4.25 ± 0.1(.167±.004)
25, 26	3.5 ± 0.1(.138±.004)

Circuits	Type	Model No.	Q'ty/box	Material and Finish
50	Normal	ICM-MA50H-SS52-1141	96	Contact: Phosphor bronze, nickel-undercoated, Mating section... Gold-plated Solder tail... Tin/lead-plated Housing: PPS, UL94V-0 Solder tab: Brass, nickel-undercoated, Tin-plated
	Reverse	ICM-MA50H-SS52-1161	96	

CF CARD CONNECTOR MA TYPE

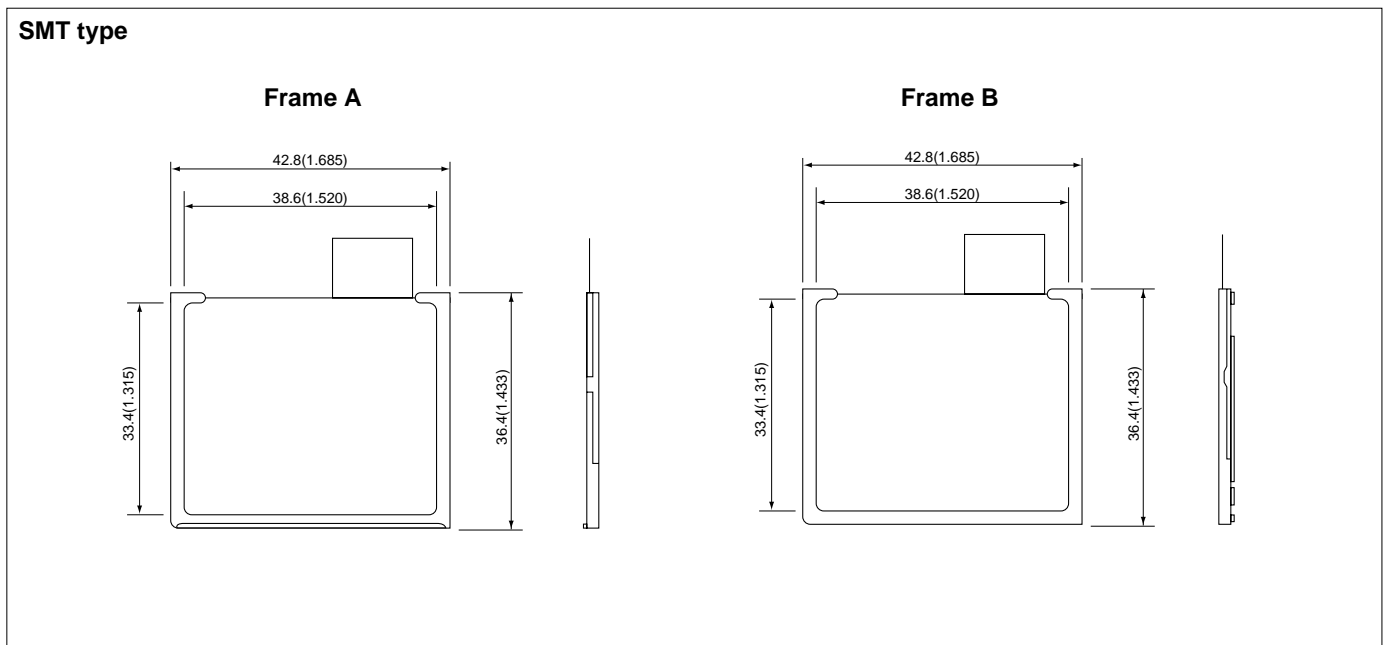
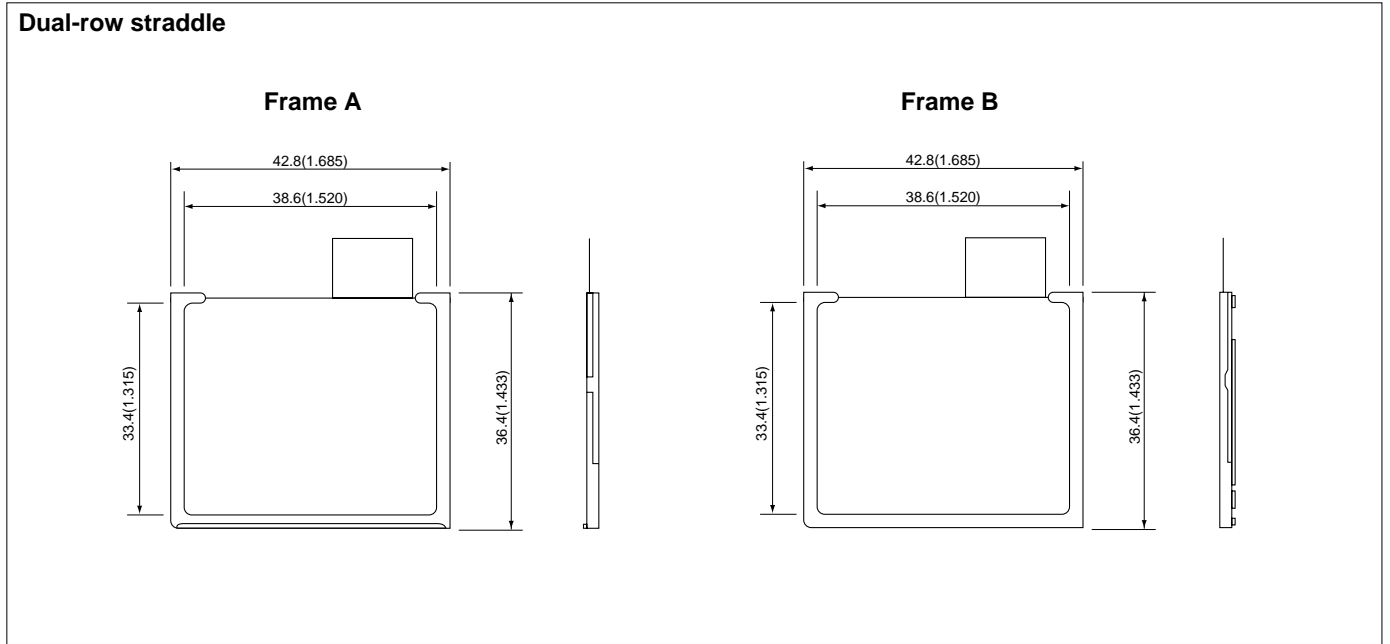
Ejector



Type	Material and Finish	Qty/box	Material
Right button	ICM-MAE-R01	100	Frame, Rotating arm, Push bar: Stainless steel Push button: PPS
Left button	ICM-MAE-L01	100	

CF CARD CONNECTOR MA TYPE

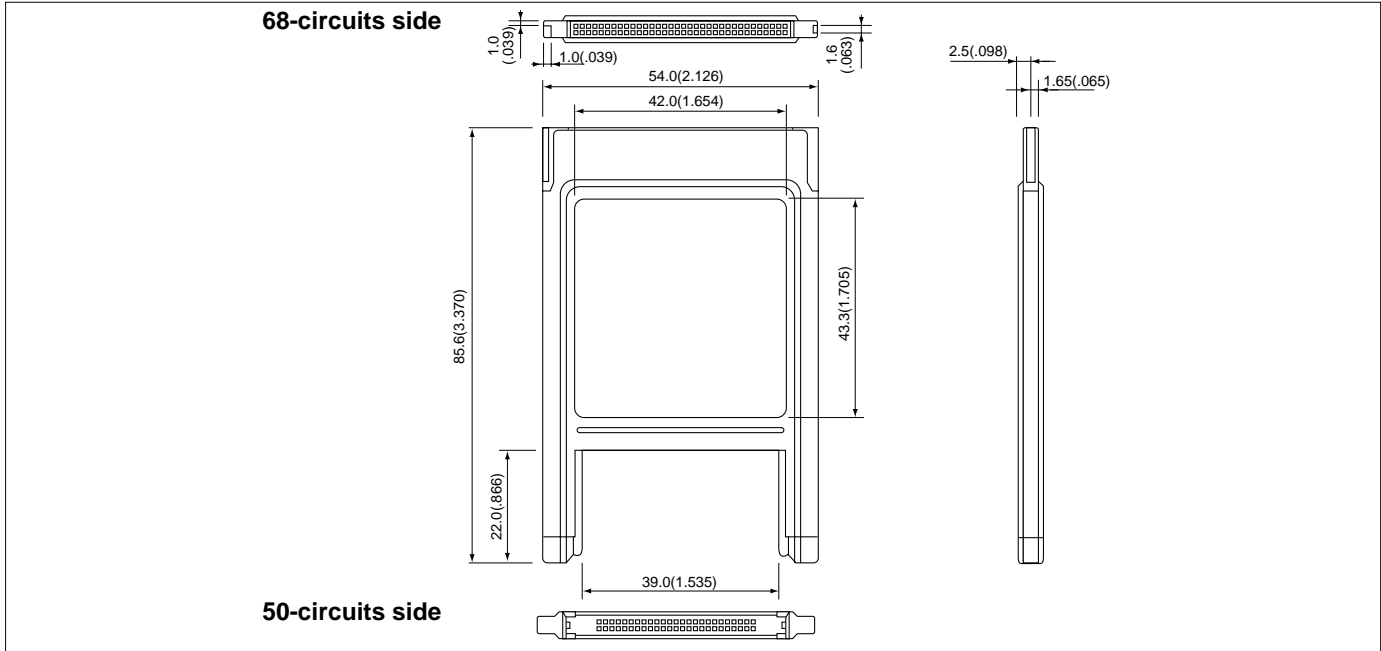
Frame kit



Circuits	Type	Parts name	Model No.	Qty/box	Material and Finish
50	Dual-row straddle	Frame A	ICM-MA50F-A-F	150	Frame:Glass-filled PBT, UL94V-0 Cover:Stainless steel
		Frame B	ICM-MA50F-B-F	150	
	SMT	Frame A	ICM-MA50F-A1-F	150	
		Frame B	ICM-MA50F-B1-F	150	

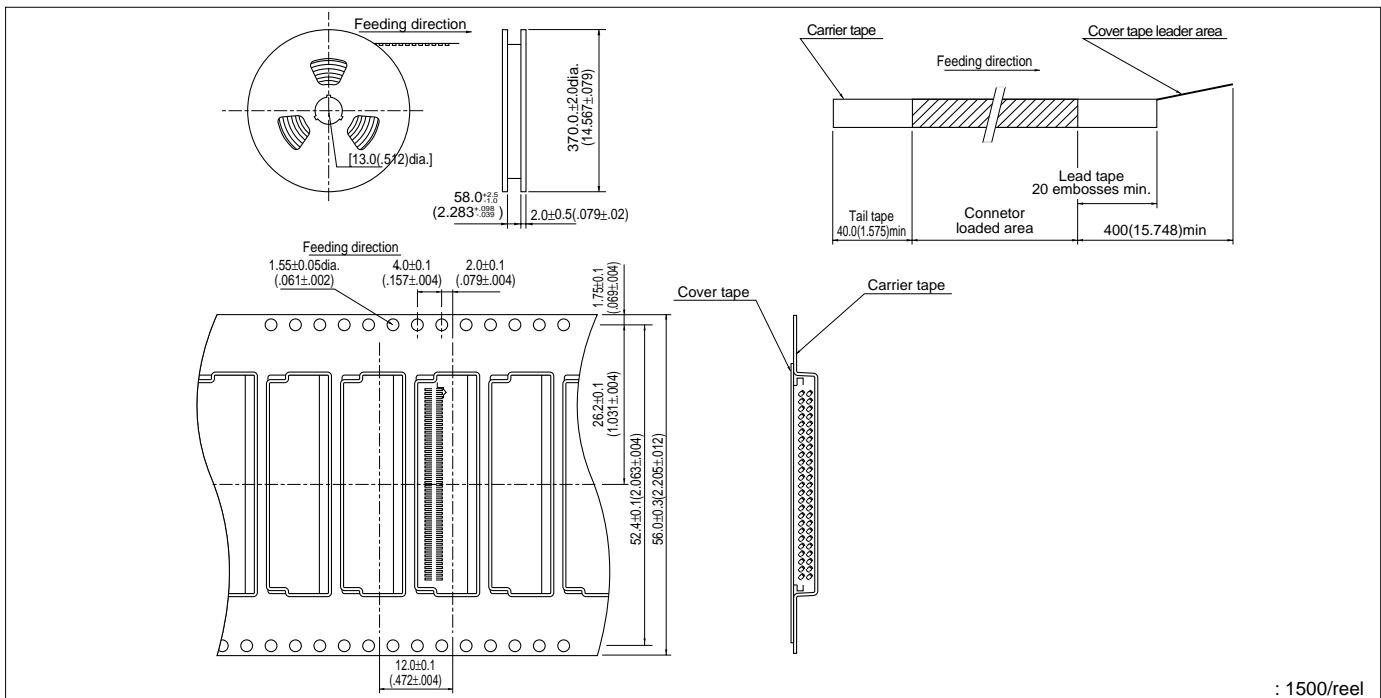
CF CARD CONNECTOR MA TYPE

Adapter card



Circuits	Model No.	Q'ty/box	Material and Finish	
50	ICM-MA50A-C111N	48	Contact: Phosphor bronze, nickel-undercoated, Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: PPS, UL94V-0	Cover:Stainless steel Frame:PBT, UL94V-0 Spring:Stainless steel
68	ICM-MA68A-C111N	48	Contact: Beryllium copper, nickel-undercoated, Mating section...Gold-plated, Solder tail...Tin/lead-plated Housing: PA6T, UL94V-0	PC board:Glass-epoxy, UL94V-0

Taping specifications (for Socket)



: 1500/reel

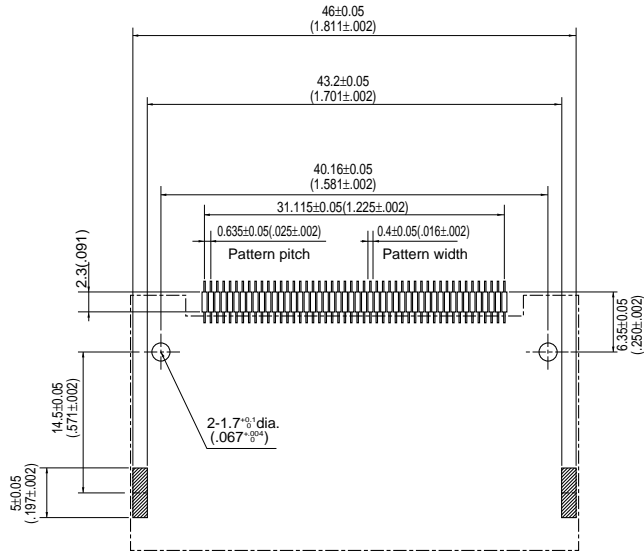
Note: Specifications conform to JIS C 0806. The tape width, connector recess dimensions, etc. are determined by the number of circuits and external shape of the connector to be loaded.

CF CARD CONNECTOR MA TYPE

PC board layout (viewed from component side)

Stand off 0mm

Normal type / Reverse type



Stand off 1.64mm (.065")

Normal type / Reverse type

