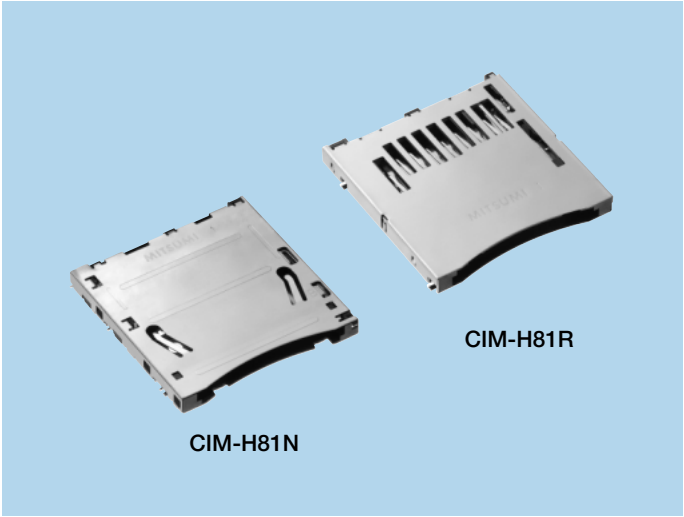
SD Memory Card Connectors
CIM-H81N, H81R

OUTLINE

1. SMT-type SD memory card connector.
2. Stand-off 0 mm.
3. Includes Push-in Push-out ejection mechanism.
4. Card ejection stroke of 8 mm for easy card removal.
5. Includes card detection switch and write-protect detection switch.
6. Built-in half lock mechanism to prevent card falling out at ejection.
7. Lock mechanism employed to inhibit removal of card when card lock is in place.
8. Direct soldering to board supported thanks to EMI/ESD plate.
9. Reverse type also available.



SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Rated Voltage	AC 50V(rms)
Rated Current	0.5A
Withstanding Voltage	500V AC (rms) 1minute
Insulation Resistance	1000MΩ min. (at 500V DC)
Contact Resista	Contact 100mΩ or less
	Switch 250mΩ or less

MECHANICAL CHARACTERISTICS

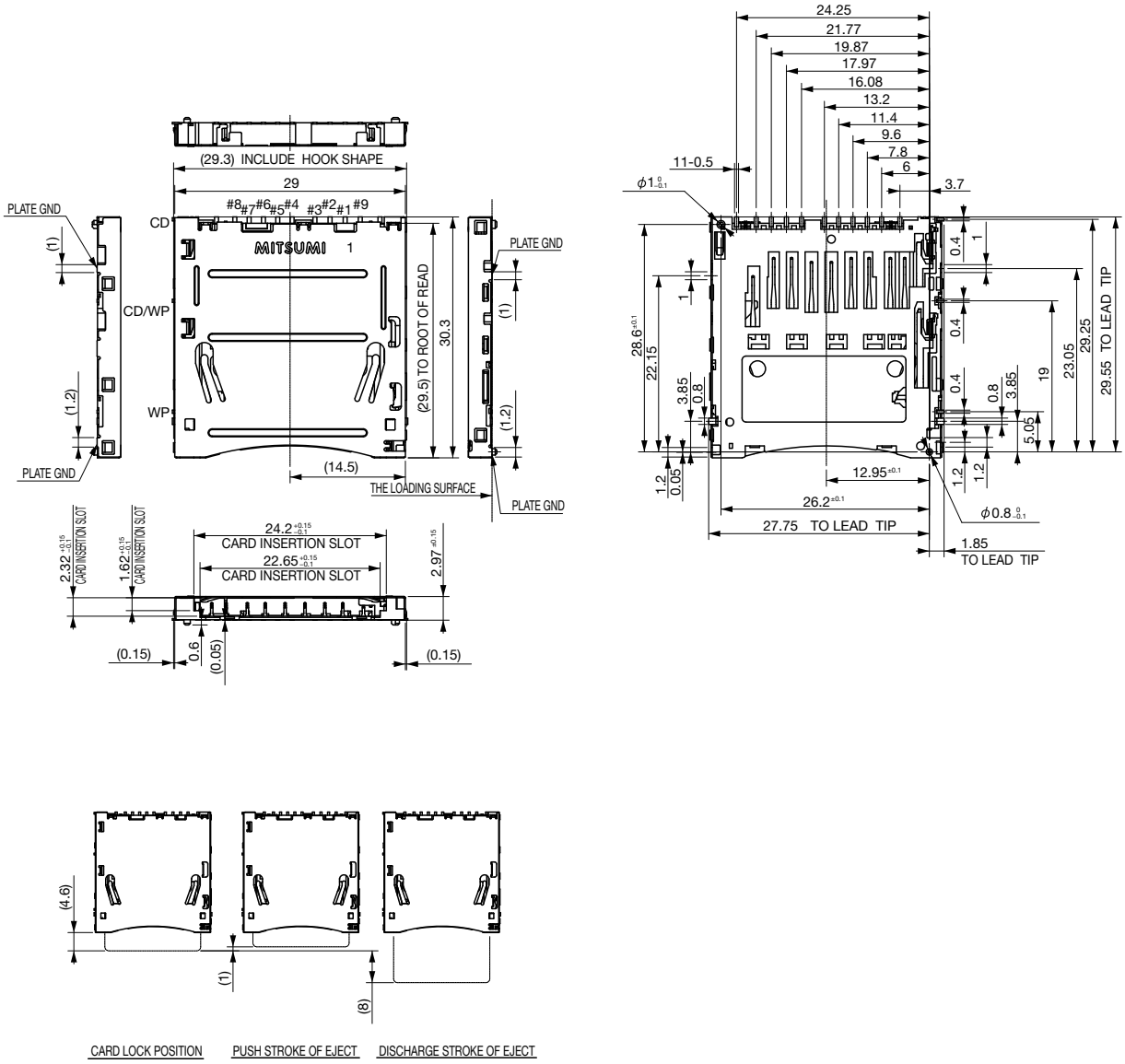
Life (Matching Cycle)	10,000 times
Card Insertion Force	4.9N(0.5kgf)~9.8N(1kgf)
Eject Force	4.9N(0.5kgf)~9.8N(1kgf)
Using Temperature Range	−25~+90°C

MATERIAL & FINISH

Component Parts	Material	Finish
Housing	LCP resin	(Black 94V-0)
Contact	Copper Alloy	Gold plating
Switch	Copper Alloy	Gold plating
Plate	SUS	Gold plating
Slider	LCP resin	(Black 94V-0)
Coil Spring	SUS	–
Lock Pin	SUS	–
Shield (H81R)	SUS	–

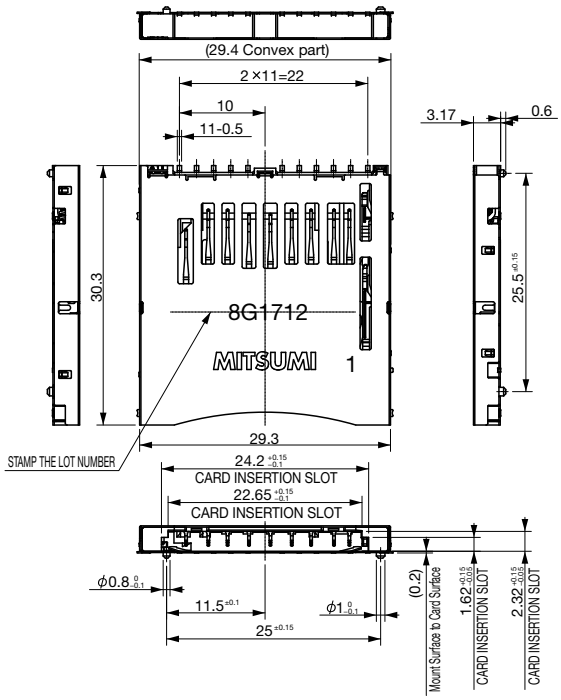
DIMENSIONS

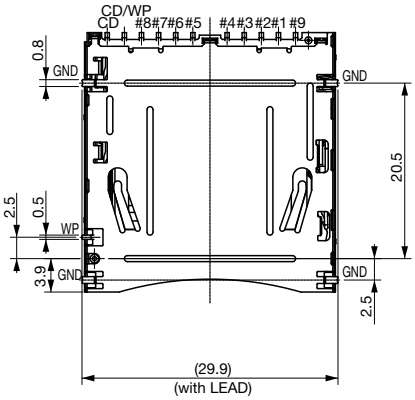
CIM-H81N

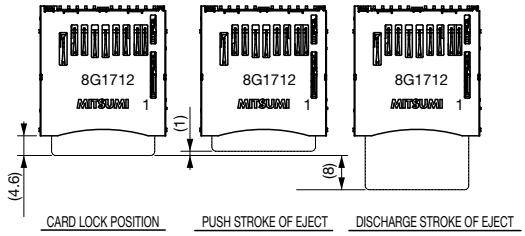


Unit : mm

CIM-H81R



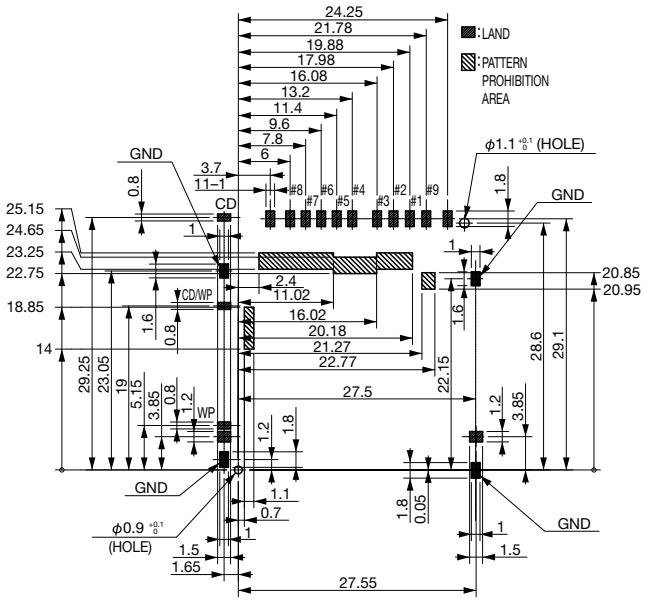




Unit : mm

Recommended PWB layout

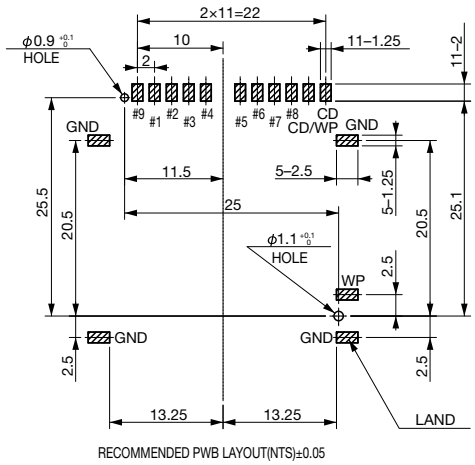
CIM-H81N



RECOMMENDED PWB LAYOUT(NTS)±0.05

※The surface of the PWB where the connector is mounted recommends the resist processing

CIM-H81R



RECOMMENDED PWB LAYOUT(NTS)±0.05

※The surface of the PWB where the connector is mounted recommends the resist processing

Unit : mm