

CARD EDGE CONNECTORS

VARIATION

Contact Number	Part Number	Pitch	Character
40 pin	7508 110A	1.27 mm	STRAIGHT LEAD
	7508 111A		90° BENT LEAD
	7508 1100		STRAIGHT W/TABS *
	7508 1110		90° W/TABS *
	7508 1160		SURFACE MOUNT TYPE
	7508 1200		ZIF W/EJ TYPE **

Notes : * W/TABS = with TABS
 ** W/EJ = with eject function

ELECTRICAL RATINGS

Voltage: 125VAC (RMS)
 Current: 1A per Contact
 Temperature: -55°C to +105°C
 Insulating resistance: 1000M ohm (Min)
 Contact resistance: 40 m ohm (Max)

PHYSICAL RATINGS

Insertion force: Max 3.5 Kg (50 pin)
 Max 3.0 Kg (40 pin)
 Separation force: 0.4 Kg (Min)
 Number of insertions: 10K – 15K
 Shutter force: 0.2 to 0.8 Kg
 Connector locking holding force: Min 1.5 Kg
 Connector contacts holding force: Min 0.7 Kg
 Contact plating: Copper plated by Nickel (1.0 µm)
 Gold (0.5 µm)

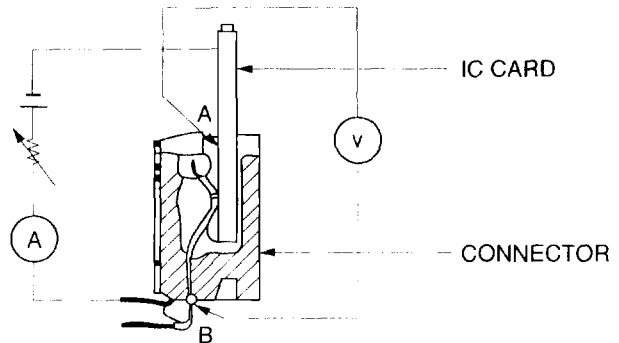
TESTS AND PARAMETERS

ELECTRICAL AND PHYSICAL CHARACTERISTICS

PARAMETER

TEST PERFORMED

1. Insulation Resistance : Place a 500 VDC potential between adjacent contacts and between housing and each contacts. All contacts.
: 1000M ohm (Min)
: 500M ohm (Min)
(after moisture resistance test)
2. Dielectric Strength : Place 500 VAC (RMS) between adjacent contacts for one minute, also between adjacent contacts for 1 minute
: No breakdown or flashover
3. Contact Resistance : Measure potential between points (A-B), at 0.1 Ampere (DC)



4. Shutter Force : Measure force required to open and close the shutter.
5. Insertion and separation Force : Measured force required to insert and retract card
6. Durability : Test includes 10000 cycles of insertion and separation at 400 to 600 cycles per hour.
: No mechanical defects

ENVIRONMENTAL CHARACTERISTICS

PARAMETER

TEST PERFORMED

1. Thermal Shock : MIL-STD-202, Method 107, Condition A
Card inserted in connector, 5 cycles

Step	Temp. (°C)	Time (minute)
1	$-55 \pm \begin{smallmatrix} 0 \\ 3 \end{smallmatrix}$	30
2	$25 \pm \begin{smallmatrix} 0 \\ 3 \end{smallmatrix}$	5
3	$85 \pm \begin{smallmatrix} 0 \\ 3 \end{smallmatrix}$	30
4	$25 \pm \begin{smallmatrix} 0 \\ 3 \end{smallmatrix}$	5

2. Humidity : MIL-STD-202, Method 103, condition B relative humidity 90-95%, at 40°C for 96 hours.
: No mechanical defects
Insulation resistance = 500M ohm MIN.
3. Salt Spray : MIL-STD-202, Method 101 card inserted into connector, 5% salt solution, at 35°C for 12 hours
: No mechanical defects
4. Hydrogen sulfide Environment: Card inserted in connector, 3 ppm concentration of gas, at 40°C for 24 hours.
: No corrosion build-up
5. Solderability : MIL-STD-202, Method 208
Dip in molten solder at 230°C for 5 seconds.
: 95% of terminals must be covered by solder.
6. Heat Resistance During Soldering : MIL-STD-202, Method 210, CONDITION C
Dip in solder at 260°C for 10 seconds
: No mechanical defects.

TWO PIECE CONNECTOR

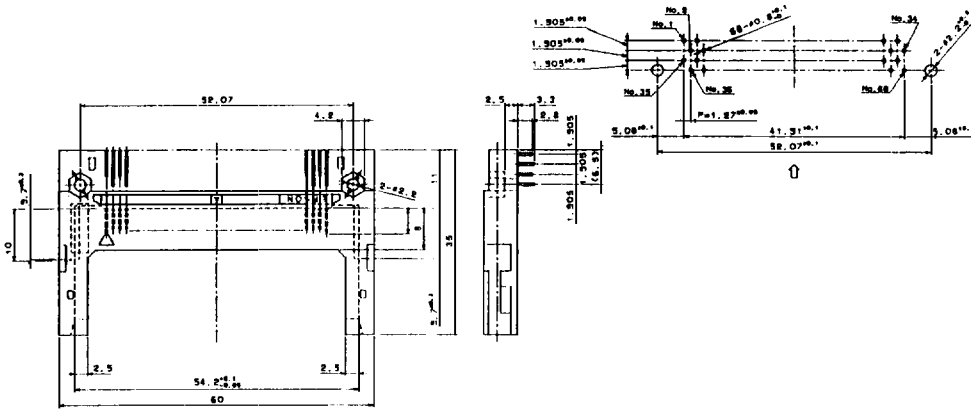
Contact Card	Part Number	Specification
PCMCIA/ JEIDA 68 pin	7508-1300	90°
	7508-1310	90° with eject function
	7508-1330	Stand-off type with eject function, 90°

CONNECTOR DIMENSIONS

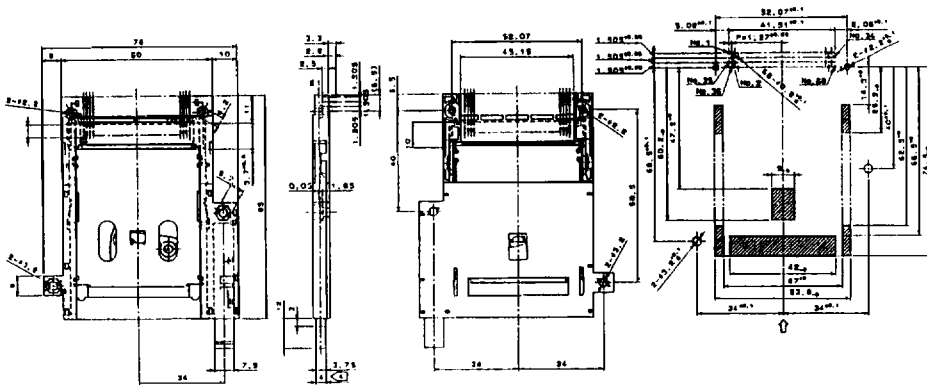
Unit : mm

PCMCIA/JEIDA CARD CONNECTOR

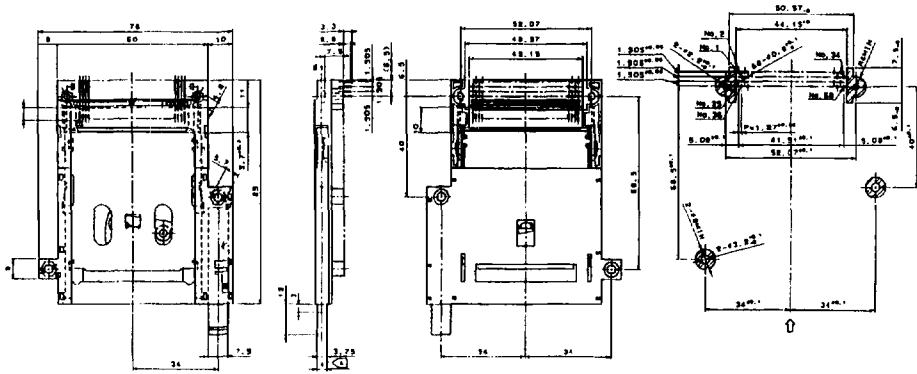
68 PIN TYPE RIGHT ANGLE CONNECTOR (7508-1300)



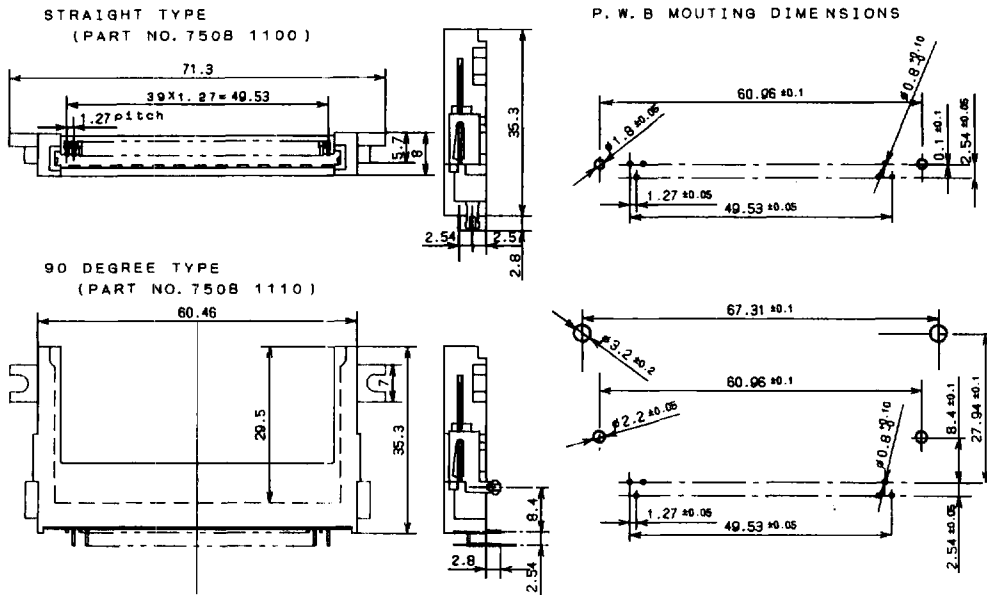
68 PIN TYPE RIGHT ANGLE CONNECTOR WITH EJECT MECHANISM (7508-1310)



68 PIN STAND-OFF TYPE RIGHT ANGLE CONNECTOR WITH EJECT MECHANISM(7508-1330)

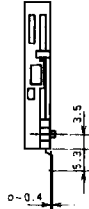
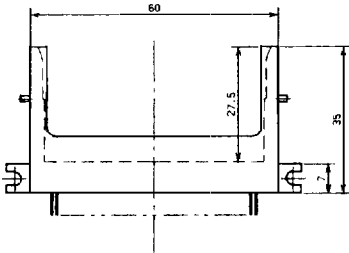
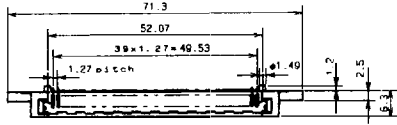


40 PIN CARD EDGE TYPE CONNECTOR

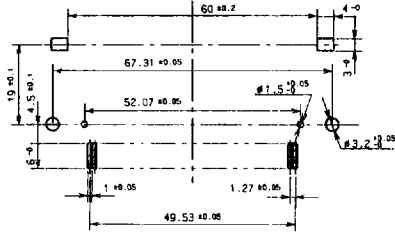


40 PIN CARD EDGE SURFACE MOUNT TYPE CONNECTOR

90 DEGREE TYPE
(PART NO. 7508 1160)

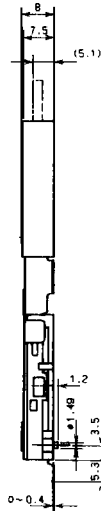
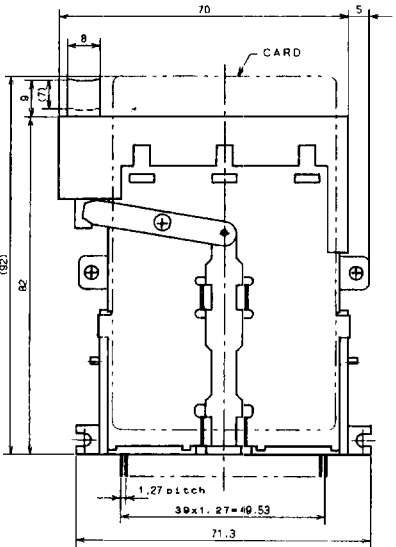
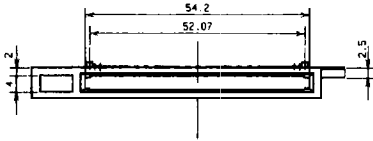


P. W. B MOUNTING DIMENSIONS



40 PIN CARD EDGE ZIF W/EJ TYPE CONNECTOR

90 DEGREE TYPE
(PART NO. 7508 1200)



P. W. B MOUNTING DIMENSIONS

