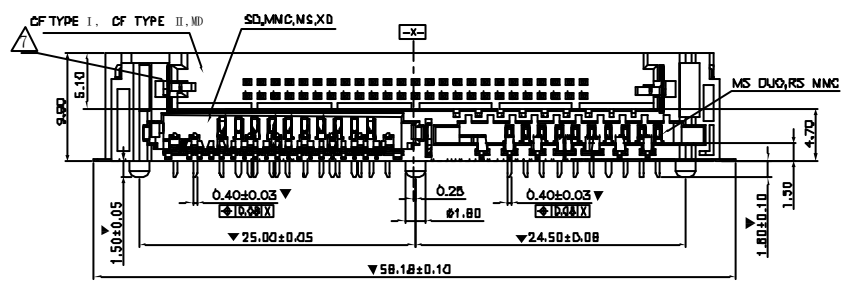
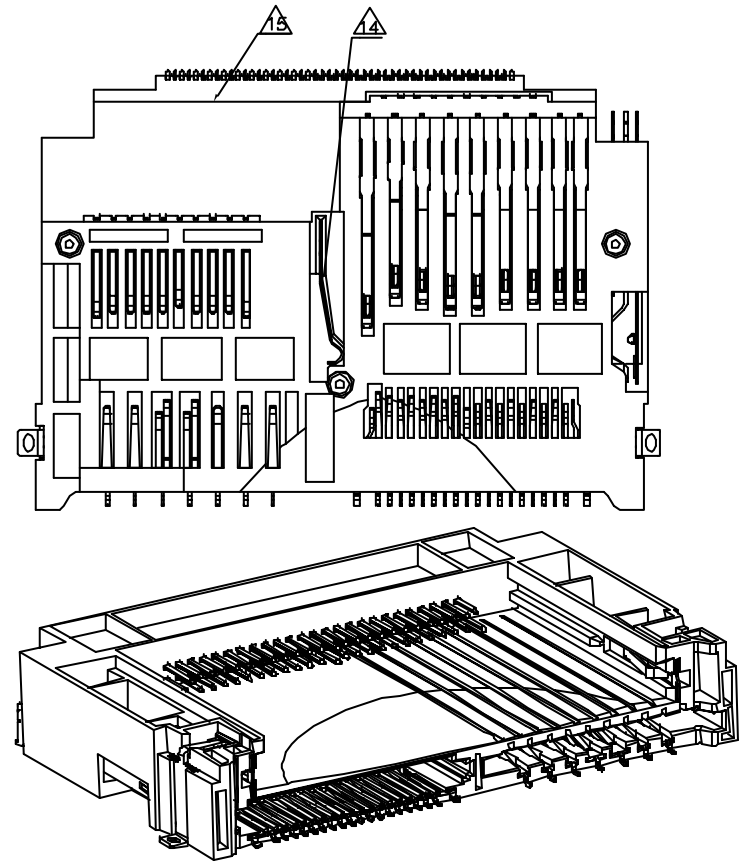
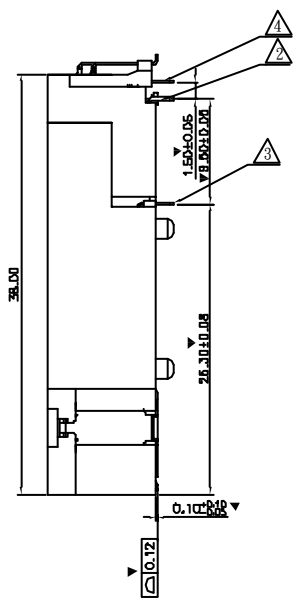
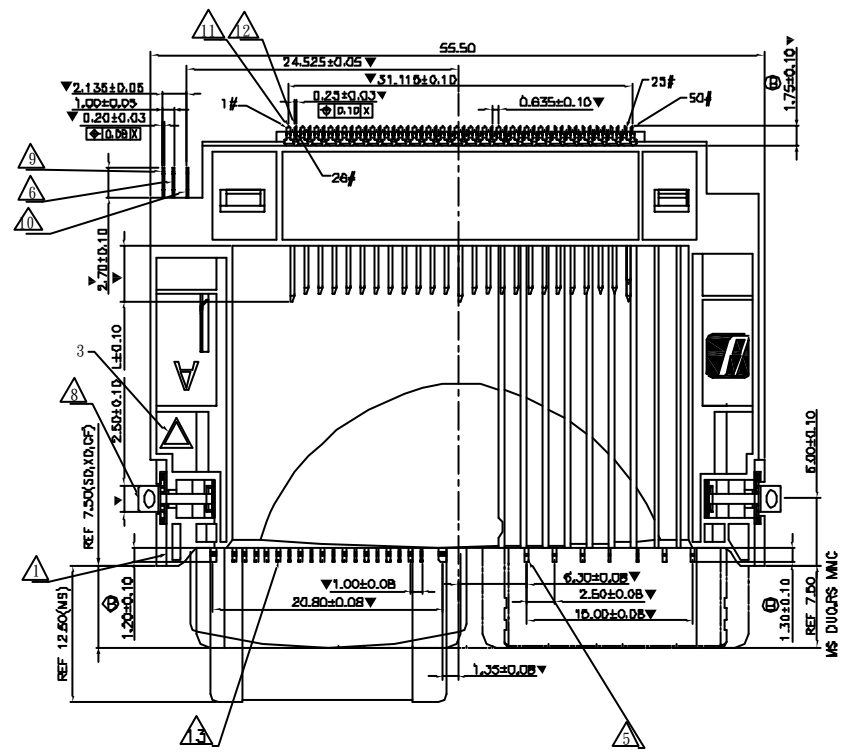


| CF Pin Type | interface Dim L | Pin No.        |
|-------------|-----------------|----------------|
| detect      | 3.50MM          | 25, 26         |
| General     | 4.25MM          | all other pins |
| power       | 5.00MM          | 1, 13, 38, 50  |



NOTE:  
 1.Material & spec. :See sheet 2 to 2.  
 2.Major Dimension: ▼  
 3.Add The Mark Means Lead Free.

MHC-W49-1001-LF  
 LEADFREE  
 RoHS Compliant



PART NO. MHC-W49-1001

DWG NO. MHC-W49-1001

CHECKED BY CY

TOLERANCES ARE

DESCRIPTION: 10 IN 1 CONN.

FILE NO.

DRAWING BY

.X ± 0.2  
.XX ± 0.1  
.XXX ±  
AWG

|      |           |    |      |
|------|-----------|----|------|
| AREA | REVISIONS | HK | DATE |
|------|-----------|----|------|

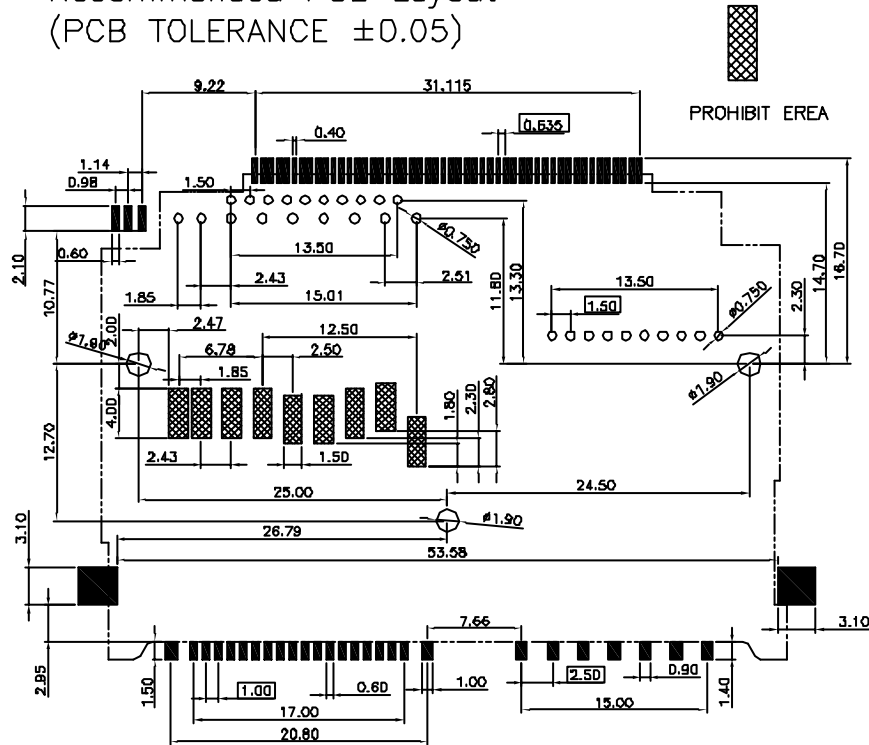
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UNIT / mm

SCALE 1:1

PROJECTION

Recommended PCB Layout  
(PCB TOLERANCE  $\pm 0.05$ )



Notes:

1.All Dimensions are in Millimeters.

2.Material:

Housing:Thermoplastic UL94v-0 Color:Black

Contact:Phosphor Bronze.

Tin/Lead 160u" at Solder Tail,

Selected Gold on Contact Area Plating.

Mounting Ear:Brass. Tin/Lead 160u" at Solder Tail.

3.Specification:

3.1.Electrical Characteristics:

3.1.0. Contact Resistance: 40m $\Omega$  Max.

3.1.1. Dielectric Withstanding Voltage:  
500VAC Max With i Minute

3.1.2. Insulation Resistance:1000 M $\Omega$  Min.

3.1.3. Current Rating: 1 A AC/DC Max.  
Rated Voltage : 500 V RMS Min.

3.2.Mechanical Characteristics:

3.2.0. Mating Force: 29.6N Max.

3.2.1. Unmating Force : 1.47N Min.

3.2.2. Contact Retention Force:

CF: 9.8 N Min. Per Pin.

Other: 3N Min. Per Pin

3.2.3. Operating Temperature:  $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$

3.2.4. Storage Temperature: $-40^{\circ}\text{C}\sim+70^{\circ}\text{C}$

| ITEM | DESCRIPTION           | MATERIAL                             | FINISH                  | Quantity    |
|------|-----------------------|--------------------------------------|-------------------------|-------------|
| 1    | HOUSING               | High Temperature thermoplastic 94V-0 | Color: Black or Natural | 1pcs        |
| 2    | SD CONTACT            | Phosphor Bronze                      | 160u"Sn/15u"Au          | 1pcs(9pin)  |
| 3    | MSDUO CONTACT         | Phosphor Bronze                      | 160u"Sn/15u"Au          | 1pcs(10pin) |
| 4    | MS CONTACT            | Phosphor Bronze                      | 160u"Sn/15u"Au          | 1pcs(10pin) |
| 5    | RSNMC CONTACT         | Phosphor Bronze                      | 160u"Sn/15u"Au          | 1pcs(7pin)  |
| 6    | SD GROUND CONTACT     | Phosphor Bronze                      | 160u"Sn/15u"Au          | 1pcs        |
| 7    | CF LATCH              | Phosphor Bronze                      | 160u"Sn/15u"Au          | 2pcs        |
| 8    | METAL EAR             | Brass                                | 50u"Ni/160u"Sn          | 2pcs        |
| 9    | SD CARD DETECT        | Phosphor Bronze                      | 160u"Sn/15u"Au          | 1pcs        |
| 10   | SD CARD WRITE PROTECT | Phosphor Bronze                      | 160u"Sn/15u"Au          | 1pcs        |
| 11   | CF CONTACT(L)         | Brass                                | Gold Flash/15u"Au       | 1pcs(25pin) |
| 12   | CF CONTACT(S)         | Brass                                | Gold Flash/15u"Au       | 1pcs(26pin) |
| 13   | XD CONTACT            | Phosphor Bronze                      | 160u"Sn/15u"Au          | 1pcs(20pin) |
| 14   | SD LATCH              | Stainless Steel                      |                         | 1pcs        |
| 15   | PN HOLD               | High Temperature thermoplastic 94V-0 | Color: Black or Natural | 1pcs        |

**MORETHANALL**  
CONNECTORS  
ASSEMBLIES

PART NO. MHC-W49-1001

DWG NO. MHC-W49-1001

CHECKED BY CY

TOLERANCES ARE

.X  $\pm$  0.2  
.XX  $\pm$  0.1  
.XXX  $\pm$   
AWG

DESCRIPTION:

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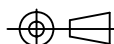
FILE NO.

DRAWING BY

UNIT / mm

SCALE 1:1

PROJECTION

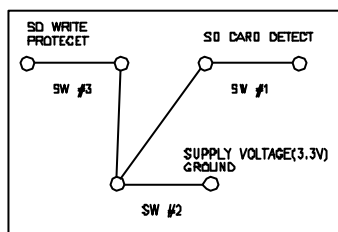
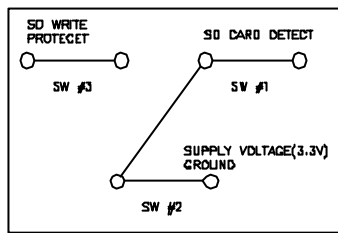
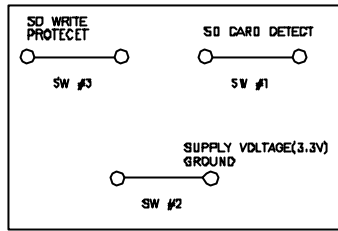
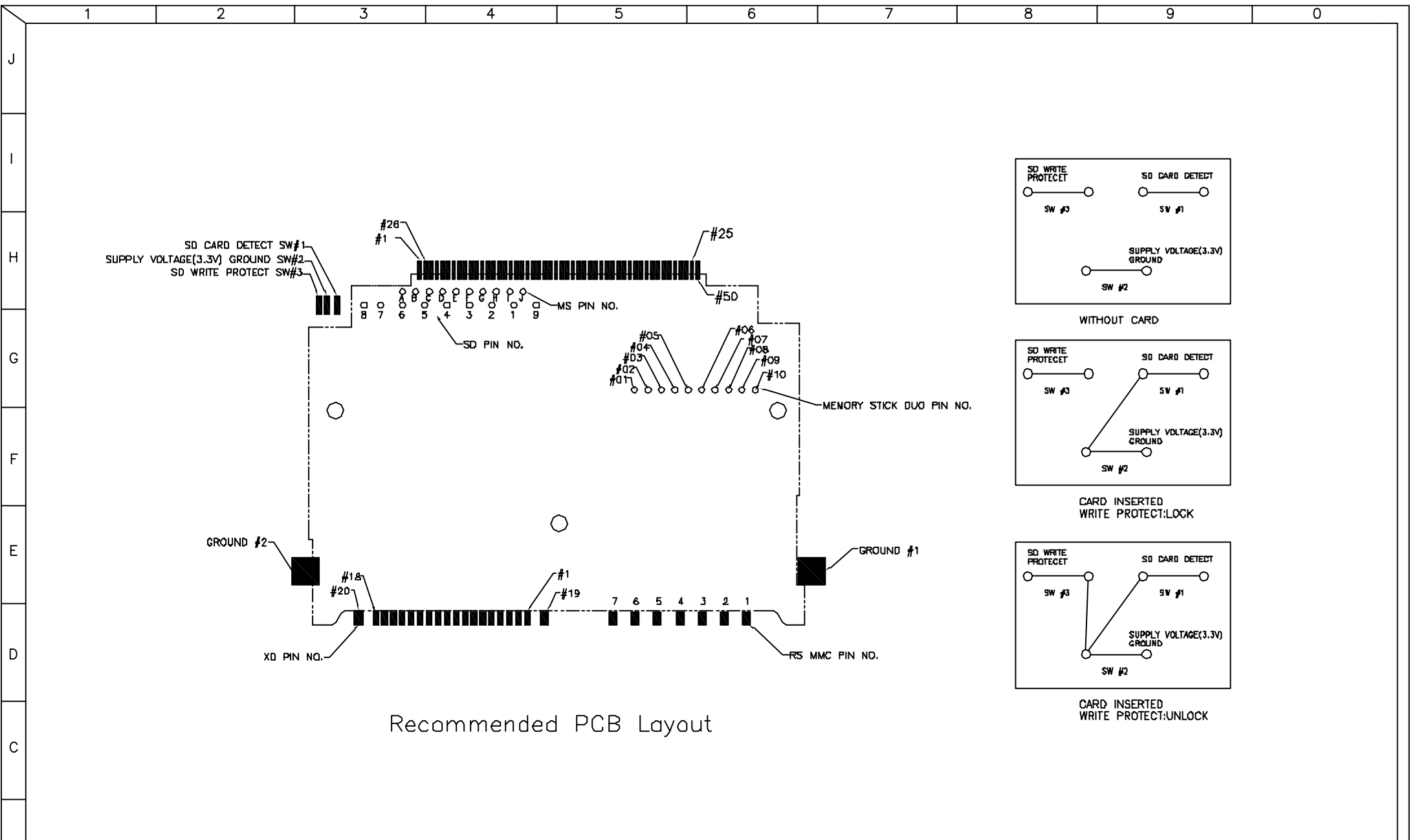


AREA

REVISIONS

HK

DATE



Recommended PCB Layout



PART NO. MHC-W49-1001

DWG NO. MHC-W49-1001

FILE NO.

UNIT / mm

SCALE 1:1

CHECKED BY CY

DRAWING BY

PROJECTION

TOLERANCES ARE

.X ± 0.2  
.XX ± 0.1  
.XXX ±  
AWG

|               |      |           |    |      |
|---------------|------|-----------|----|------|
| DESCRIP TION: |      |           |    |      |
|               | AREA | REVISIONS | HK | DATE |

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