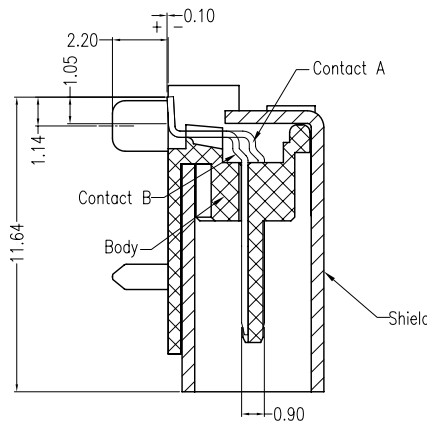
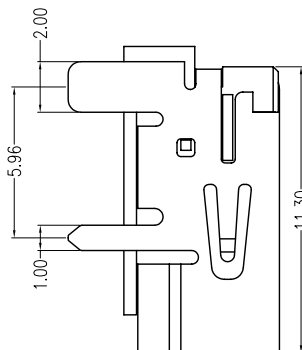
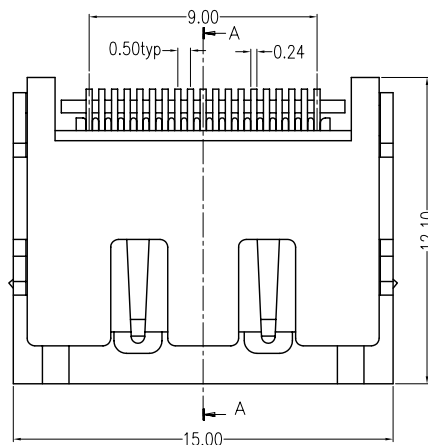


A



SECT:A-A

## NOTES:

### \*Material

Body: LCP, UL 94V-0 Rated; Color: Black.  
Shield: Brass.  
Plating: Nickel Plating .  
Contact: Brass.  
Plating: Gold Plating Over Nickel on Contact Area;  
Tin Plating On Solder Tail.

### \*Electrical Specification

Operation Voltage: 40 VAC max.  
Current Rating: 0.5 Ampere per contact  
Contact Resistance: 30 Milliohms max.  
Insulation Resistance: 2000 Megohms min.  
Dielectric Withstanding Voltage: 500 VAC

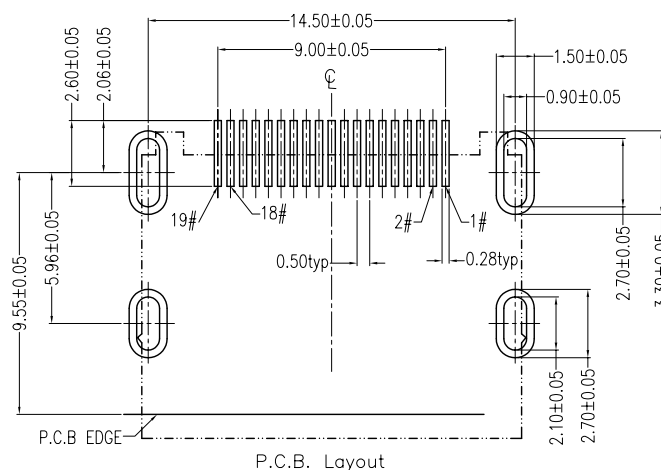
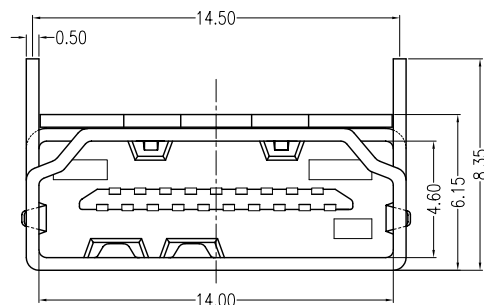
### \*Environmental

Operating Temperature: -20°C to +85°C

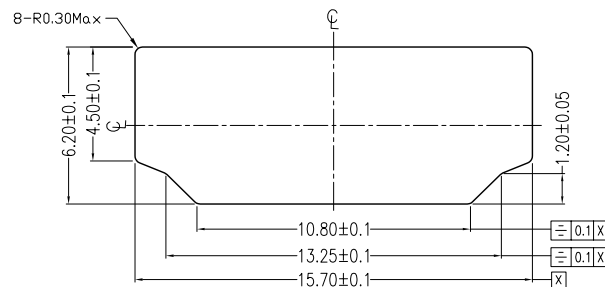
### \*How To Order

Series NO. WHDM 19 F 3 L 1 B N 5 U 4 L  
Number of Contacts 19# 18# 2# 1#  
Gold A:Flash B:5u"  
C:10u" D:15u" F:30u"  
3: SMT Type  
L: LCP  
1:Black  
Blank:No Mark  
C:CRE  
4:Ni 5:Pure Dim Tin  
U:Lead Free  
Blank:Sn-Pb  
3:Tray 5:Reel  
N:No Flange  
B:Brass  
P:Phosphor Bronze

B



C



Reference Panel Cut Out Dimension

D

|                                         |    |       |     |             |  |      |  |                                                                                       |          |             |                                                                     |  |  |     |  |
|-----------------------------------------|----|-------|-----|-------------|--|------|--|---------------------------------------------------------------------------------------|----------|-------------|---------------------------------------------------------------------|--|--|-----|--|
| REV                                     |    |       |     |             |  |      |  |                                                                                       |          |             |                                                                     |  |  |     |  |
| Units                                   | mm | Scale | 1:1 | Drawing By  |  | Data |  | Wellco T&C Co., Ltd.                                                                  |          |             |                                                                     |  |  |     |  |
| Tolerance Unless<br>Otherwise Specified |    |       |     | Reviewed By |  | Data |  | Date                                                                                  | 11/14/06 | Title       | High Definition Media Interface<br>19PIN(Shield)SMT Type(No Flange) |  |  |     |  |
| .X ~ ±0.38                              |    |       |     | Approval By |  | Data |  | Sheet                                                                                 | 1 of 1   |             |                                                                     |  |  |     |  |
| .XX ~ ±0.25                             |    |       |     |             |  |      |  |                                                                                       |          |             |                                                                     |  |  |     |  |
| .XXX ~ ±0.20                            |    |       |     |             |  |      |  | Third Angle Projection                                                                |          |             |                                                                     |  |  |     |  |
| Angle ~ ± 3°                            |    |       |     |             |  |      |  |  |          | Drawing No. | W031212-1                                                           |  |  | REV |  |

A

B

C

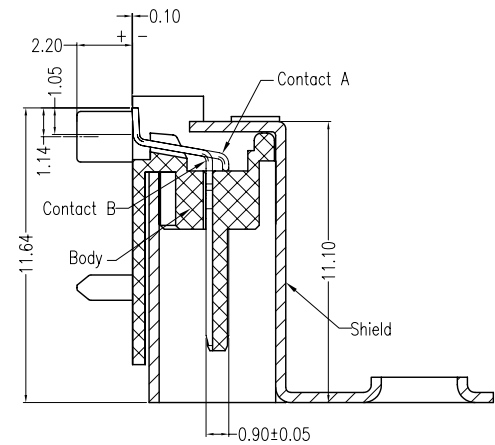
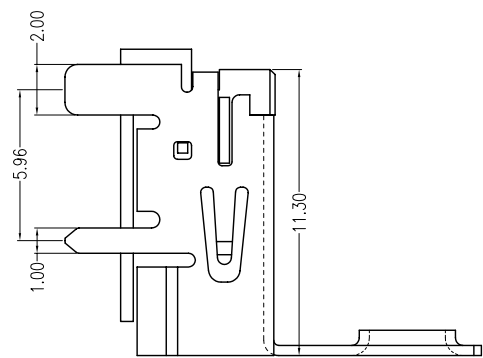
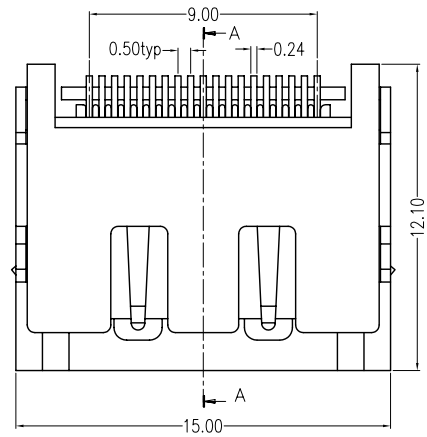
D

A

B

C

D



SECT:A-A

NOTES:

\*Material

Body: LCP, UL 94V-0 Rated; Color: Black.  
Shield: Brass.  
Plating: Nickle Plating .  
Contact: Brass.  
Plating: Gold Plating Over Nickel on Contact Area;  
Tin Plating On Solder Tail.

\*Electrical Specification

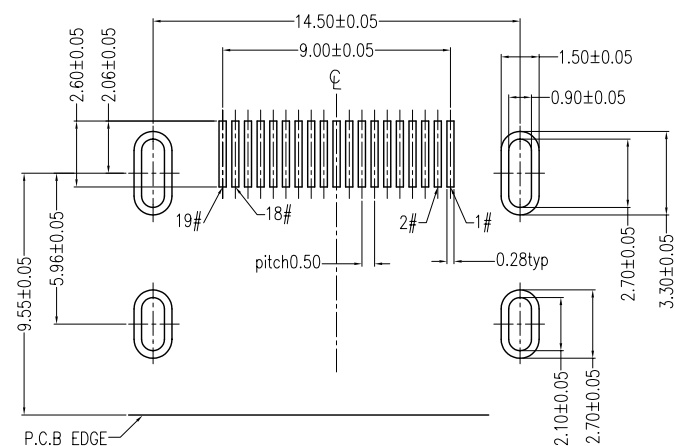
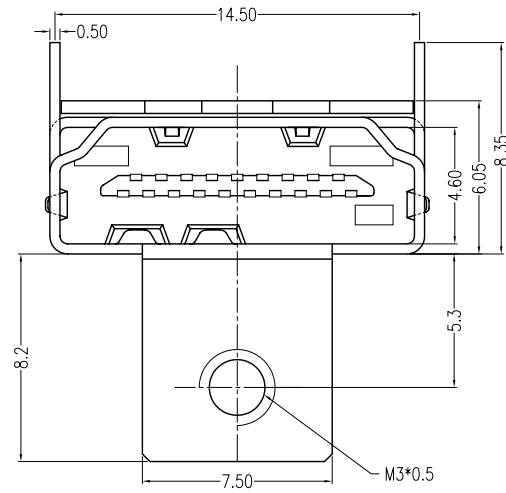
Operation Voltage: 40 VAC max.  
Current Rating: 0.5 Ampere per contact  
Contact Resistance: 30 Milliohms max.  
Insulation Resistance: 2000 Megohms min.  
Dielectric Withstanding Voltage: 500 VAC

\*Environmental

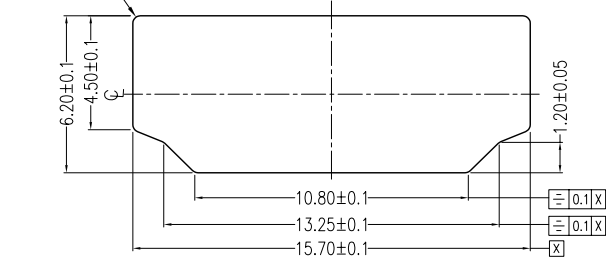
Operating Temperature: -20°C to +85°C

\*How To Order

Series NO. WHDM 19 F 3 L 1 B F 3 U 4 L  
Number of Contacts 19  
Gold A:Flash B:5u"  
C:10u" D:15u" F:30u"  
3: SMT Type  
L: LCP  
1:Black  
Blank:No Mark  
C:CRE  
4:Ni 5:Pure Dim Tin  
U:Lead Free  
3:Tray 5:Reel  
F:With Flange(7.5)  
L:With Flange(12.0)  
B:Brass  
P:Phosphor Bronze

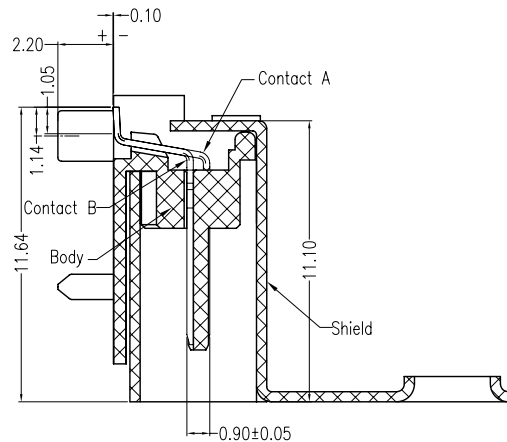
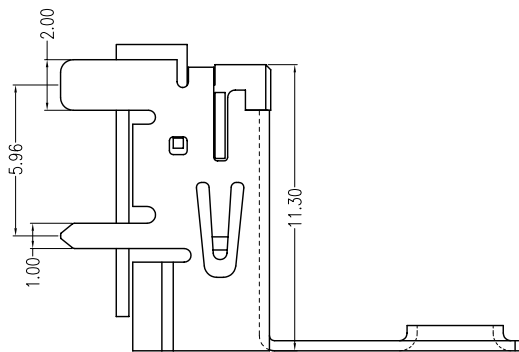
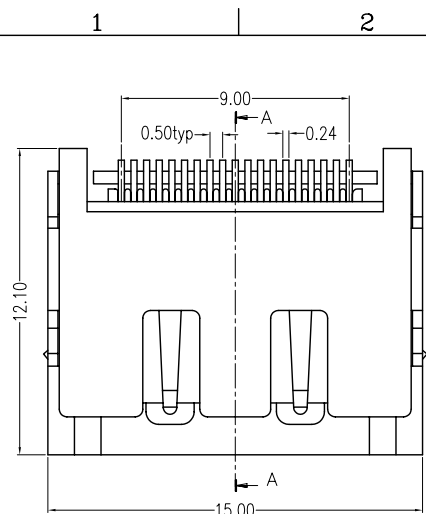


P.C.B LAYOUT

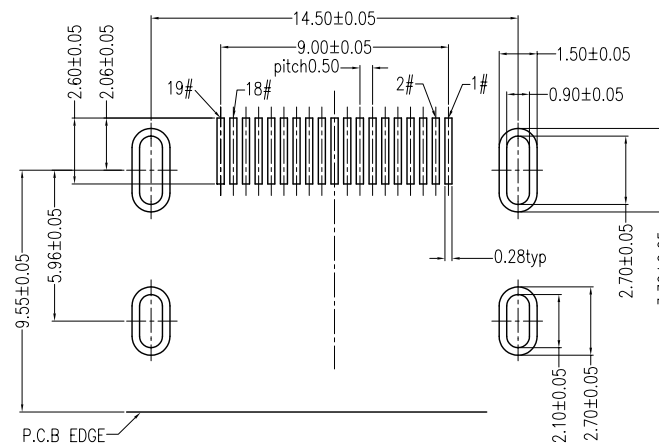
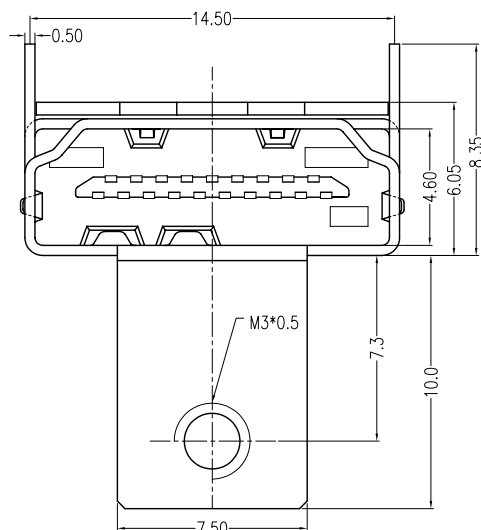


REFERENCE PANEL CUT OUT DIMENSION

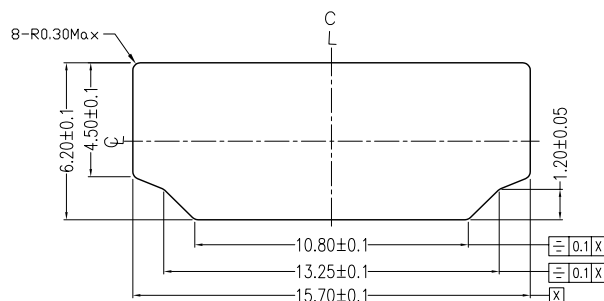
|                                      |    |       |     |             |  |      |  |                                                                                       |                                                                                       |             |                                                                    |     |  |
|--------------------------------------|----|-------|-----|-------------|--|------|--|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------|-----|--|
| REV                                  |    |       |     |             |  |      |  |                                                                                       |                                                                                       |             |                                                                    |     |  |
| Units                                | mm | Scale | 1:1 | Drawing By  |  | Data |  | Wellco T&C Co., Ltd.                                                                  |                                                                                       |             |                                                                    |     |  |
| Tolerance Unless Otherwise Specified |    |       |     | Reviewed By |  | Data |  |                                                                                       |                                                                                       |             |                                                                    |     |  |
| .X ~ ±0.38                           |    |       |     | Approval By |  | Data |  | Date                                                                                  |                                                                                       | Title       | High Definition Media Interface 19PIN(Shield)SMT Type(With Flange) |     |  |
| .XX ~ ±0.25                          |    |       |     |             |  |      |  | Sheet                                                                                 | 1 of 1                                                                                |             |                                                                    |     |  |
| .XXX ~ ±0.20                         |    |       |     |             |  |      |  | Third Angle Projection                                                                |                                                                                       | Drawing No. | WHDM-19PS-AN-N012                                                  | REV |  |
| Angle ~ ± 3°                         |    |       |     |             |  |      |  |  |  |             |                                                                    |     |  |
|                                      |    |       |     |             |  |      |  |                                                                                       |                                                                                       |             |                                                                    |     |  |



SECT:A-A



P.C.B LAYOUT



REFERENCE PANEL CUT OUT DIMENSION

## NOTES:

### \*Material

Body: LCP, UL 94V-0 Rated; Color: Black.  
Shield: Brass.  
Plating: Nickle Plating .  
Contact: Brass.  
Plating: Gold Plating Over Nickel on Contact Area;  
Tin Plating On Solder Tail.

### \*Electrical Specification

Operation Voltage: 40 VAC max.  
Current Rating: 0.5 Ampere per contact  
Contact Resistance: 30 Milliohms max.  
Insulation Resistance: 2000 Megohms min.  
Dielectric Withstanding Voltage: 500 VAC

### \*Environmental

Operating Temperature: -20°C to +85°C

### \*How To Order

Series NO. WHDM-19 D 3 L 1 B H 3 U 4 W  
Number of Contacts  
Gold A:Flash B:5u"  
C:10u" D:15u" F:30u"  
3: SMT Type  
L: LCP  
1:Black  
Blank:No Mark  
C:CRE  
4:Ni 5:Pure Dim Tin  
U:Lead Free  
3:Tray 5:Reel  
H:With Flange(7.5)(High7.3)  
B:Brass  
P:Phosphor Bronze

|                                         |    |       |     |             |  |      |  |                                                                                       |                                                                                       |             |  |                                                                                            |  |     |  |
|-----------------------------------------|----|-------|-----|-------------|--|------|--|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|--|--------------------------------------------------------------------------------------------|--|-----|--|
| REV                                     |    |       |     |             |  |      |  |                                                                                       |                                                                                       |             |  |                                                                                            |  |     |  |
| Units                                   | mm | Scale | 1:1 | Drawing By  |  | Data |  | Wellco T&C Co., Ltd.                                                                  |                                                                                       |             |  |                                                                                            |  |     |  |
| Tolerance Unless<br>Otherwise Specified |    |       |     | Reviewed By |  | Data |  |                                                                                       |                                                                                       |             |  |                                                                                            |  |     |  |
| .X ~ ±0.38                              |    |       |     | Approval By |  | Data |  | Date                                                                                  | 08/07/06                                                                              | Title       |  | High Definition Media Interface<br>19PIN(Shield)SMT Type<br>(With Flange-7.5mm)(High7.335) |  |     |  |
| .XX ~ ±0.25                             |    |       |     |             |  |      |  |                                                                                       |                                                                                       |             |  |                                                                                            |  |     |  |
| .XXX ~ ±0.20                            |    |       |     |             |  |      |  |                                                                                       |                                                                                       |             |  |                                                                                            |  |     |  |
| Angle ~ ± 3°                            |    |       |     |             |  |      |  | Third Angle Projection                                                                |                                                                                       |             |  |                                                                                            |  |     |  |
|                                         |    |       |     |             |  |      |  |  |  | Drawing No. |  | WHDM-19PS-AN-N014                                                                          |  | REV |  |