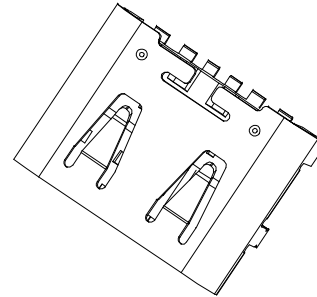
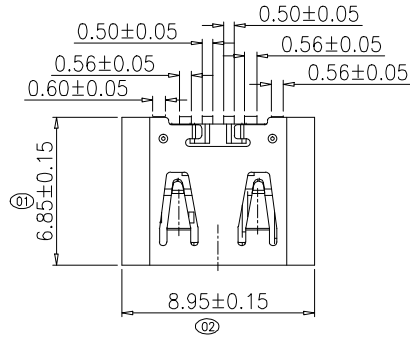


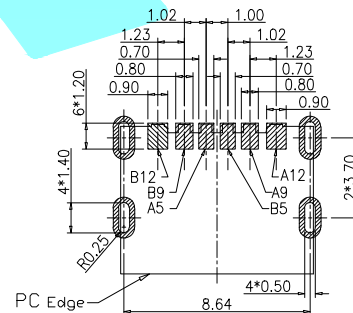
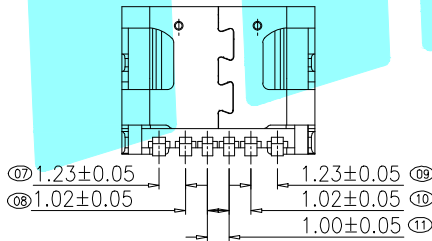
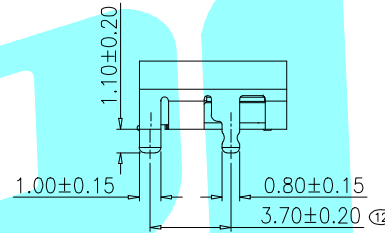
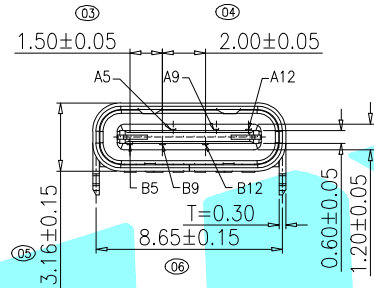
|     |             |
|-----|-------------|
| B12 | GND         |
| B9  | VBUS        |
| B5  | CC2         |
| A5  | CC1         |
| A9  | VBUS        |
| A12 | GND         |
| PIN | SIGNAL NAME |



3D VIEW

NOTES:

- 1.MATERIAL:  
MOLDING: LCP UL94 V-0  
CONTACT: COPPER ALLOY.  
GOLD PLATED Min ON CONTACT AREA, 100u"  
Min TIN (LEAD FREE) ON SOLDER AREA,  
SHELL: SUS304-H, T=0.30±0.03mm  
50u" NICKEL PLATING OVER ALL.
- 2.MECHANICAL:  
INSERTION: 5~20N.  
EXTRACTION: 8~20N AFTER TEST.  
DURABILITY: 10000 CYCLES
- 3.ELECTRICAL:  
CURRENT: 5A FOR VBUS;  
1.25A FOR GND PIN.  
0.25A FOR OTHER.  
VOLTAGE: 20 V MAX  
WITHSTANDING VOLTAGE: 100V AC R.M.S.  
CONTACT RESISTANCE: 40mΩ MAX.  
INSULATION RESISTANCE: 100MΩ MIN.
- 4.ENVIRONMENTAL  
TEMPERATURE RANGE -25°C ~ +85°C



RECOMMENDED P.C.B. LAYOUT  
TOLERANCE UNSPECIFIED ±0.05mm

| ITEM | PART NAME      | TER'NO. | QTY. | MATERIAL        | FINISHING | REMARK |
|------|----------------|---------|------|-----------------|-----------|--------|
| ⑤    | Contact Spring | —       | 1    | Phosphor Bronze | Ag Plated | —      |
| ④    | Terminal       | —       | 2    | Phosphor Bronze | Ag Plated | —      |
| ③    | Base           | —       | 1    | Nylon           | Black     | —      |
| ②    | Cover          | —       | 1    | Nylon           | Black     | —      |
| ①    | Keystoke       | —       | 1    | POM             | White     | —      |

| APPROVALS      |        | DATE       |              | HRO 華碩<br>ELECTRONICS CO.,LTD |                   |              |
|----------------|--------|------------|--------------|-------------------------------|-------------------|--------------|
| DRAWN          | LIUCAN | 2020.12.21 |              | TITLE:                        | DETECTOR SWITCHES |              |
| CHECKED        |        |            |              | PART NO.                      | TYPE-C-31-M-16    |              |
| APPROVALS      |        |            |              | UNIT: mm                      | SCALE: 1:1        | PROJ:        |
| TOLERANCES ARE |        |            | 30~以上: ±0.30 | ANGLE                         | UNIT: mm          | SCALE: 1:1   |
|                |        |            | 10~30: ±0.20 | ±2'                           | DRAWING NO.       | SHEET 1 OF 1 |
|                |        |            | 5~10: ±0.15  |                               |                   |              |
|                |        |            | ~ 5: ±0.10   |                               |                   |              |

| ECN NO. | REV. | DATE. | DESCRIPTION. | CHANGE. | CHECK. | APPRO. |
|---------|------|-------|--------------|---------|--------|--------|
|         | A    |       | NEW          |         |        |        |

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