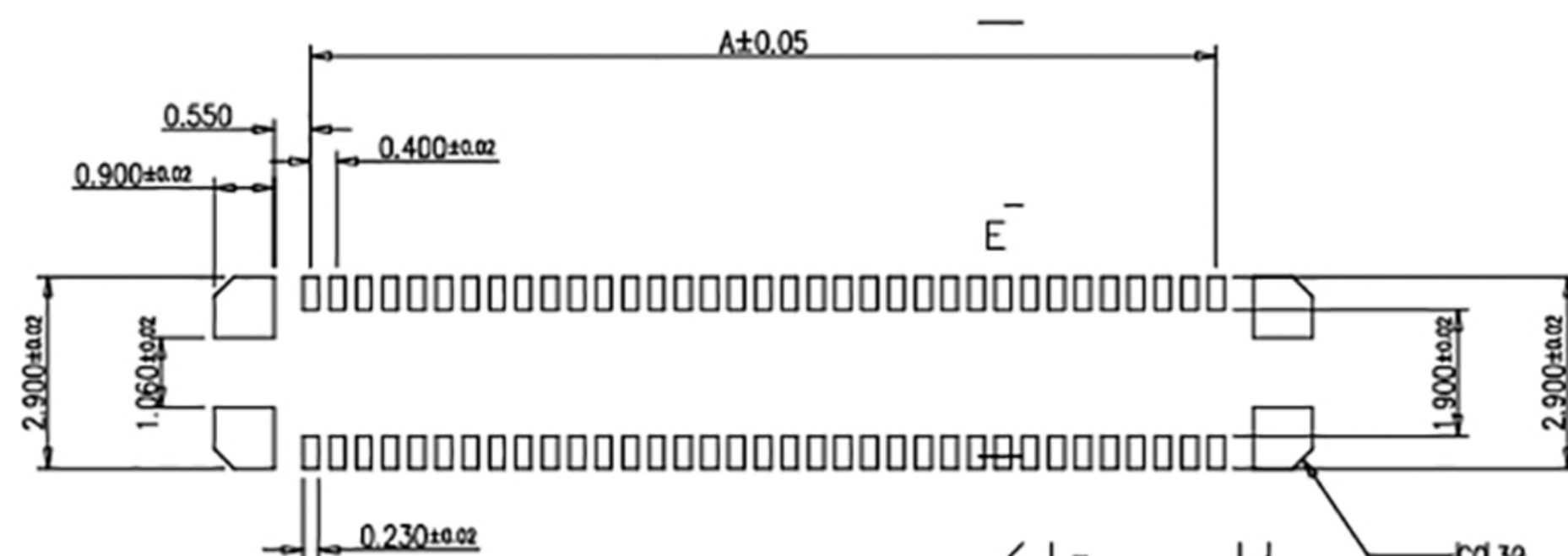
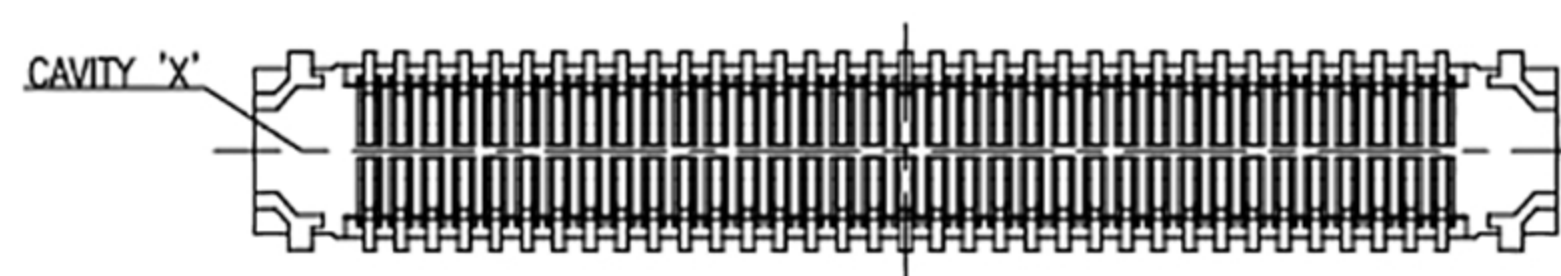
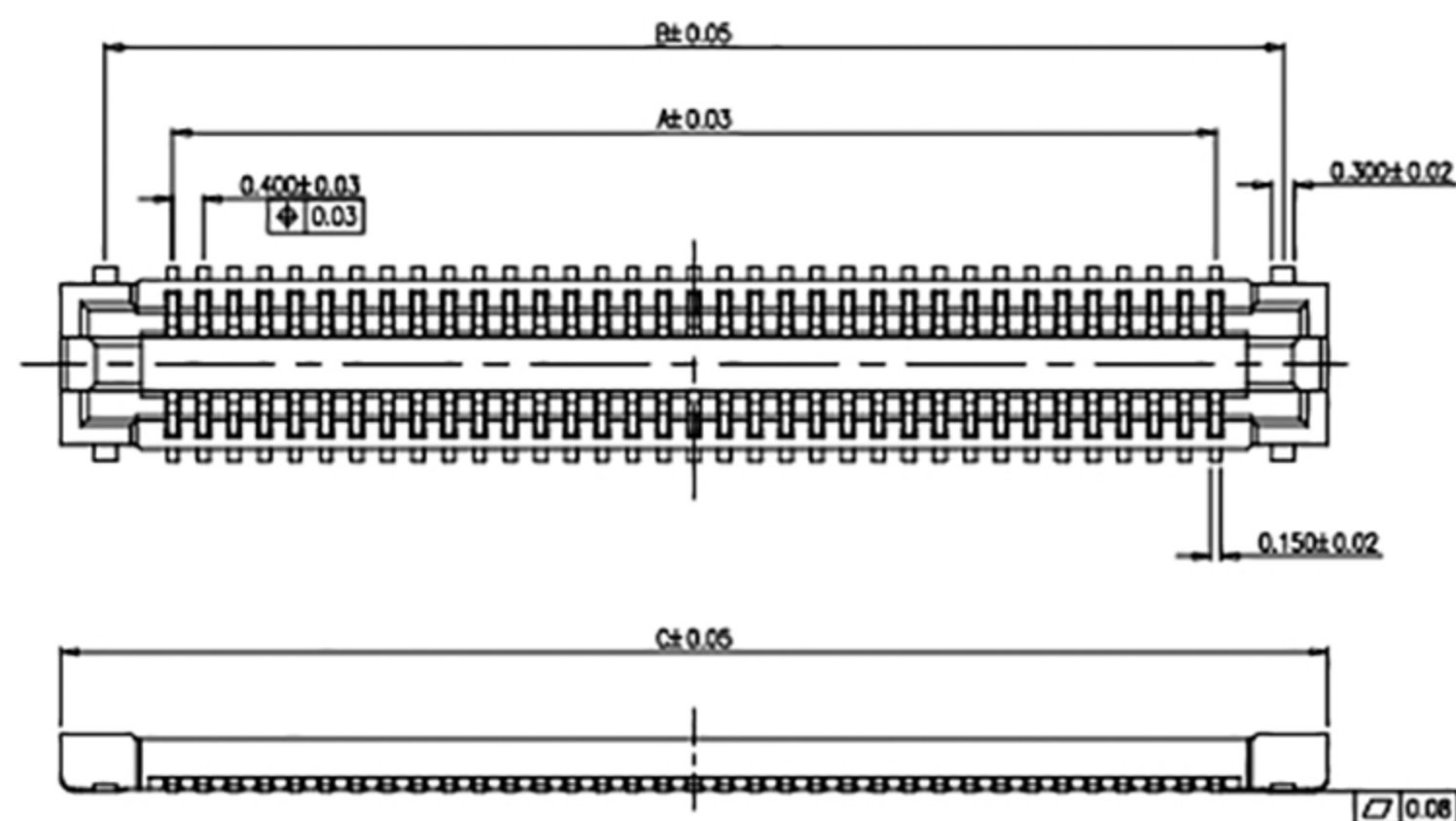


| REV. | ECN No.     | DATE       |
|------|-------------|------------|
| A    | ED-1108-003 | 2011.08.11 |

# NOTES

- MATERIAL SEE TABLE;
- ELECTRICAL PERFORMANCES:
  - RATED CURRENT:0.5A;
  - CONTACT RESISTANCE: 100 mOHMS MAX.;
  - INSULATION RESISTANCE: 50 MOHMS MIN.;
  - WITHSTANDING VOLTAGE: 100 VAC FOR 1 MINUTE MIN.;
- MECHANICAL PERFORMANCES:
  - DURABILITY:30 CYCLES;
  - OPERATION TEMPERATURE:-35° TO +85°;
  - NORMAL INSERT FORCE AT MATED POSITION:5N MAX.;



PCB LAYOUT

| CKT | A     | B      | C      |
|-----|-------|--------|--------|
| 10  | 1.600 | 3.360  | 4.520  |
| 12  | 2.000 | 3.760  | 4.920  |
| 16  | 2.800 | 4.560  | 5.720  |
| 24  | 4.400 | 6.160  | 7.320  |
| 30  | 5.600 | 7.360  | 8.520  |
| 34  | 6.400 | 8.160  | 9.320  |
| 40  | 7.600 | 9.360  | 10.520 |
| 44  | 8.400 | 10.160 | 11.320 |
| 50  | 9.600 | 11.360 | 12.520 |

DRK BF 11 \*\* 08 \*\*

Company  
BTB Conn:Male  
Series  
Position Number:\*\*Pin  
Mate Height:0.8mm  
Plating

| 2    | Housing   | 1    | LCP      | Glass:30%                                      | Black  |
|------|-----------|------|----------|------------------------------------------------|--------|
| 1    | Terminal  | N    | C5210R   | NI 50-90u"UNDERPLATING,<br>GOLD FLASH OVER ALL |        |
| ITEM | Part Name | Q'TY | MATERIAL | FINISH                                         | REMARK |

|                                                                                                                                                                                                                        |          |           |                          |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|--------------------------|----------------------------------------------|
| GENEAL TOLERANCE                                                                                                                                                                                                       |          | UNITS: mm | NAME(INTENDED USE)       | Draka DongQuan Draka Ele&Tec Co.Ltd          |
| X.± 0.15                                                                                                                                                                                                               | X.± 1°   | SEE NOTES | 0.4MM BTB 0.8H Male Conn |                                              |
| .X± 0.10                                                                                                                                                                                                               | .X± 0.5° |           | PART NO.(INTENDED USE)   | TITLE:                                       |
| .XX± 0.05                                                                                                                                                                                                              |          | FINISH:   | DRKBF11**080*            | 0.4MM BTB 0.8H Male Conn<br>Customer Drawing |
| THE DRAWING AND SPECIFICATION ARE THE<br>PROPERTY OF DRAKA ELE&TEC CO.,LTD. AND<br>SHALL NOT BE REPRODUCED, COPIED OR<br>USED IN ANY MANNER WITHOUT THE PRIOR<br>WRITTEN CONSENT OF DONGQUAN DRAKA<br>ELE&TEC CO.,LTD. |          | SEE NOTES | APPD:                    | DWG NO.:                                     |
|                                                                                                                                                                                                                        |          | Weight:   | CHKD:                    | DRKBF11000810-C                              |
|                                                                                                                                                                                                                        |          |           | DR: F Pan                | SCALE SHEET REV.                             |
|                                                                                                                                                                                                                        |          |           |                          | 5:1 1/1 A                                    |

### Material:

Housing: High temperature housing UL94V-0  
withstands IR and VPR soldering methods.

Contacts: Phosphor Bronze.

Plating: Gold plated.

### Electrical Characteristics:

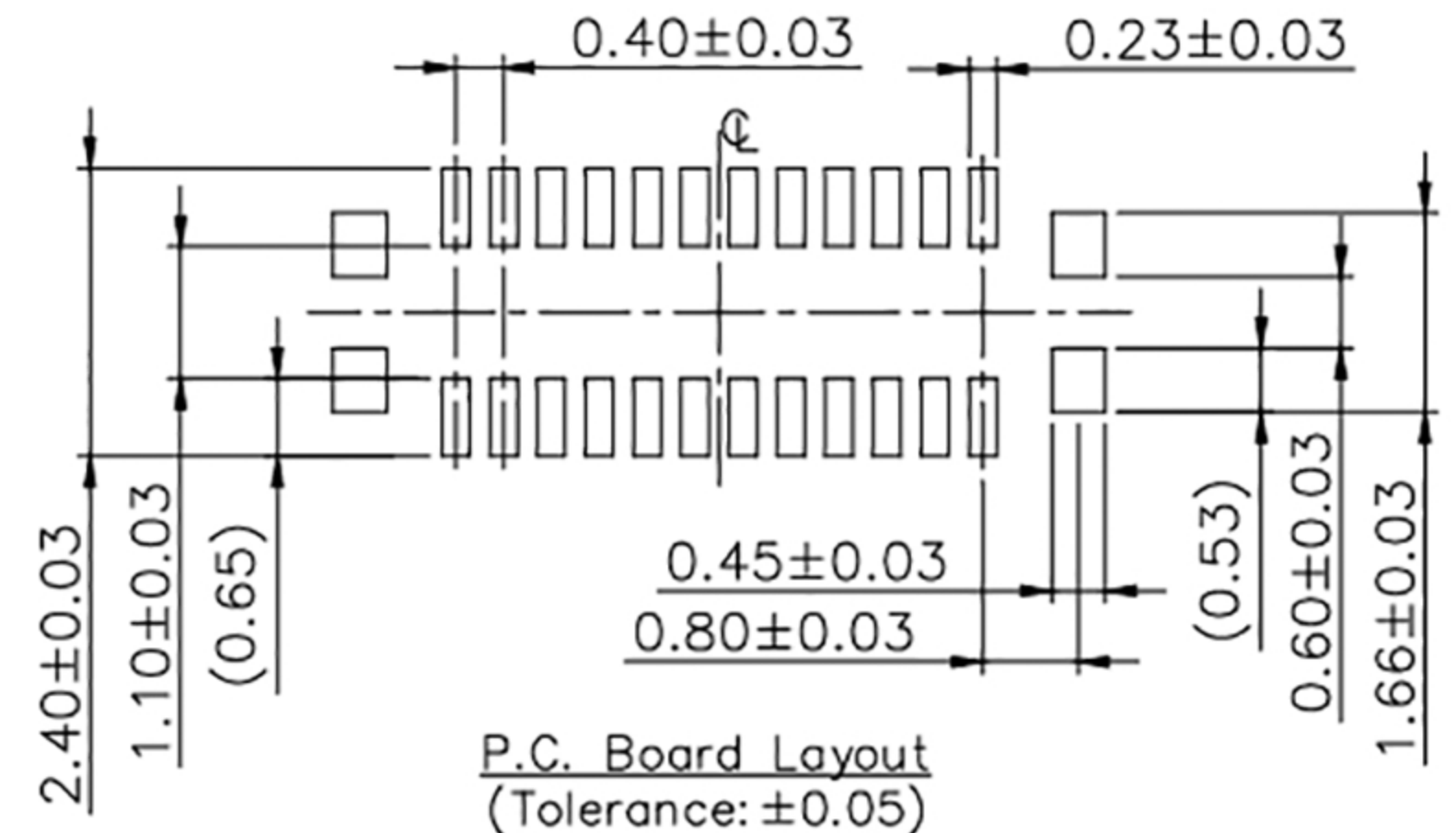
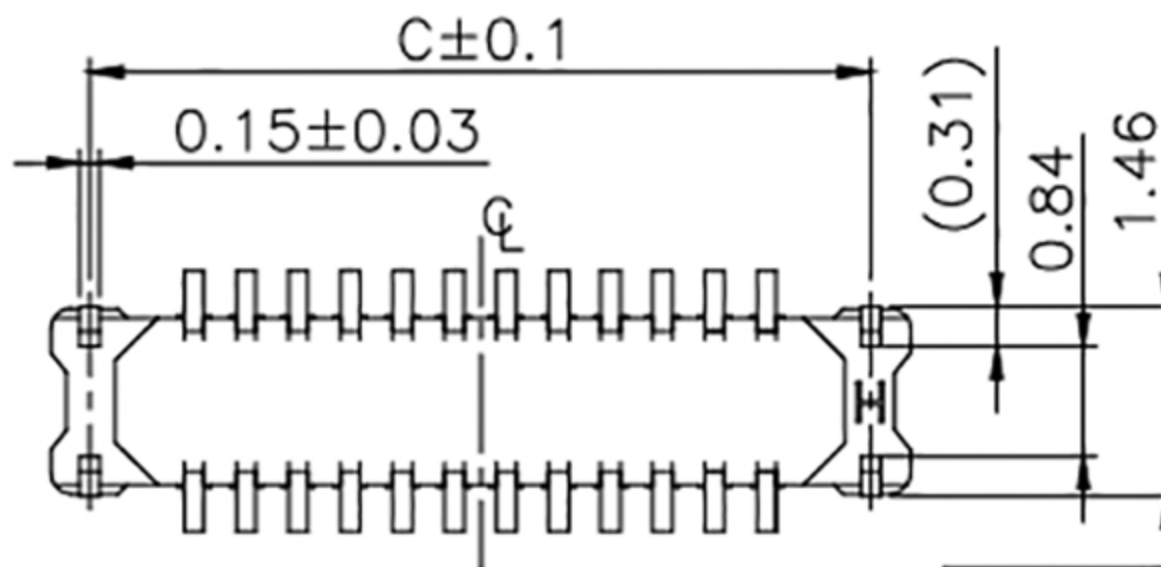
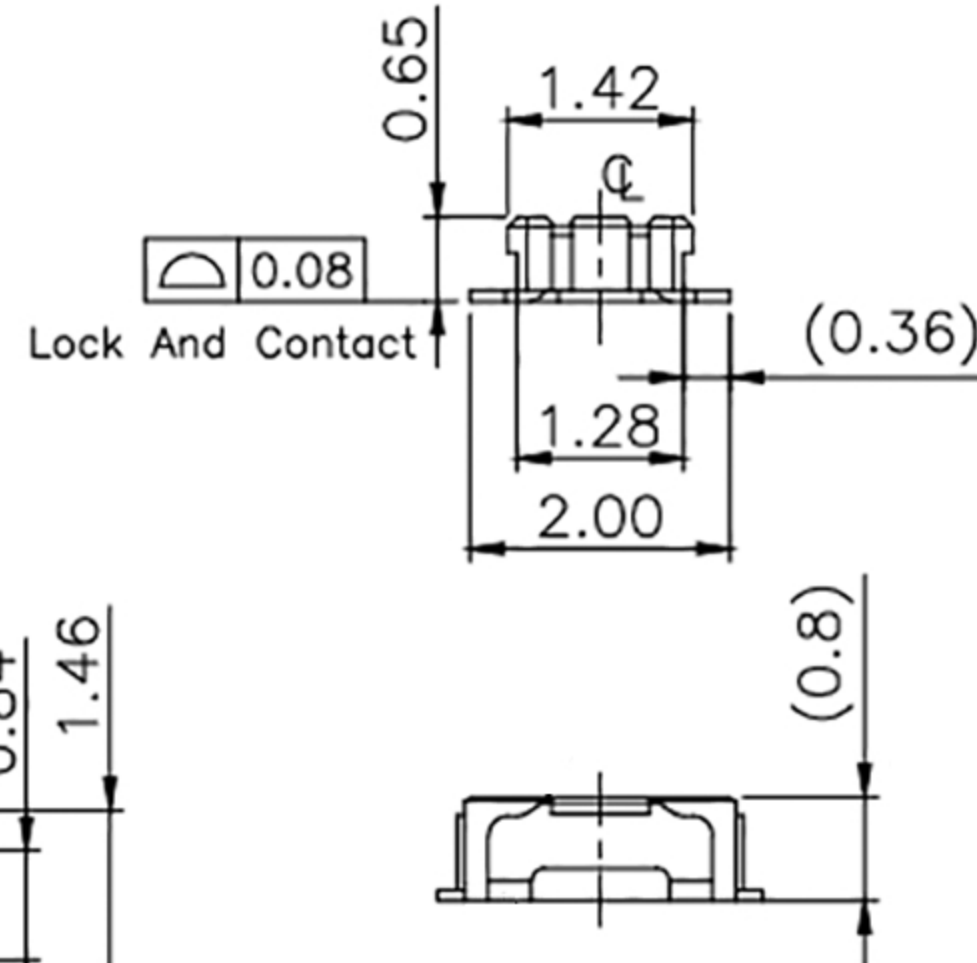
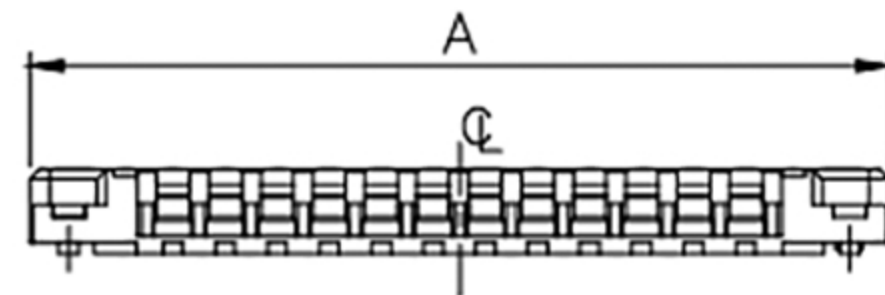
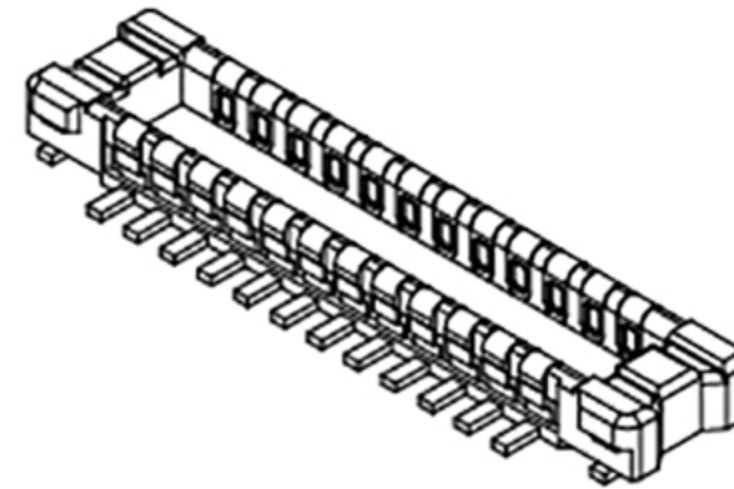
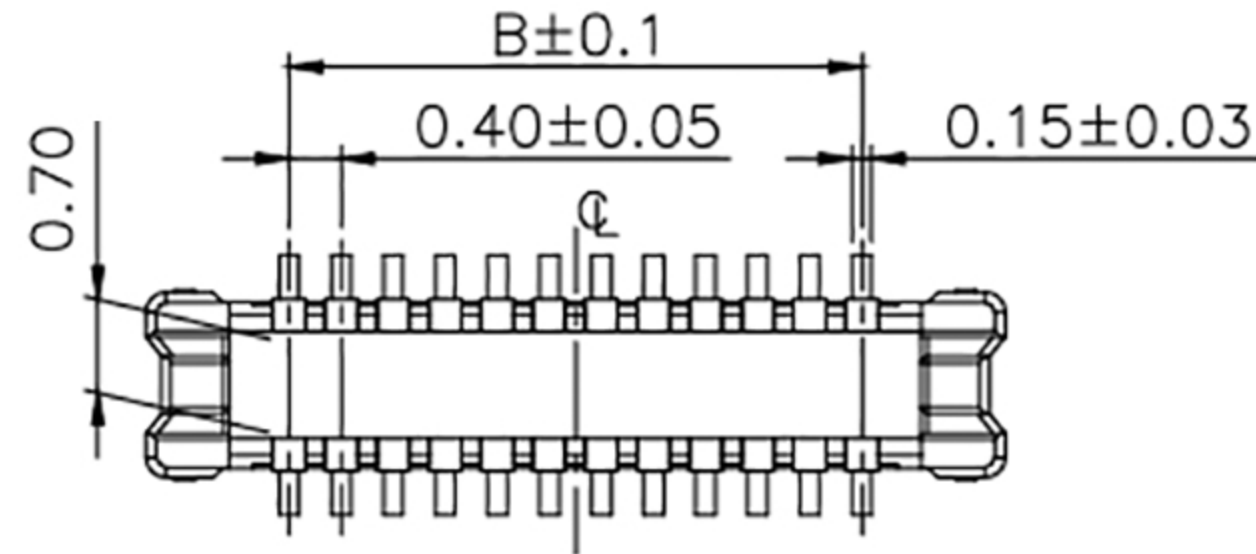
Current Rating: 0.3 AMP.

Insulator Resistance: 1000M $\Omega$  min. at DC 250V.

Contact Resistance: 90m $\Omega$  max. at DC 100mA.

Operating Temperature: -55°C ~ +85°C .

**\*RoHS Compliant**



P.C. Board Layout  
(Tolerance:  $\pm 0.05$ )

BM11 XX  
Series  
No. of  
Pin Count

| Pin.No. | A    | B   | C    |
|---------|------|-----|------|
| 50Pin   | 11.8 | 9.6 | 11.2 |
| 40Pin   | 9.8  | 7.6 | 9.2  |
| 34Pin   | 8.6  | 6.4 | 8.0  |
| 30Pin   | 7.8  | 5.6 | 7.2  |
| 24Pin   | 6.6  | 4.4 | 6.0  |
| 10Pin   | 3.8  | 1.6 | 3.2  |

| Tolerances       | Ver.NO.: | A1  | Approval:  | Braun GU | Title: |
|------------------|----------|-----|------------|----------|--------|
| x = $\pm 0.5$    | SHEET:   | 1/1 | Inspected: | Braun Gu | TITLE  |
| .x = $\pm 0.25$  | Unit:    | mm  | Drawn By:  | Braun Gu | TITLE  |
| .xx = $\pm 0.15$ | Scale:   | 1:1 | Time:      | 01/10'15 | TITLE  |

P/N: BM11XX  
Drawn No: BM11XX