

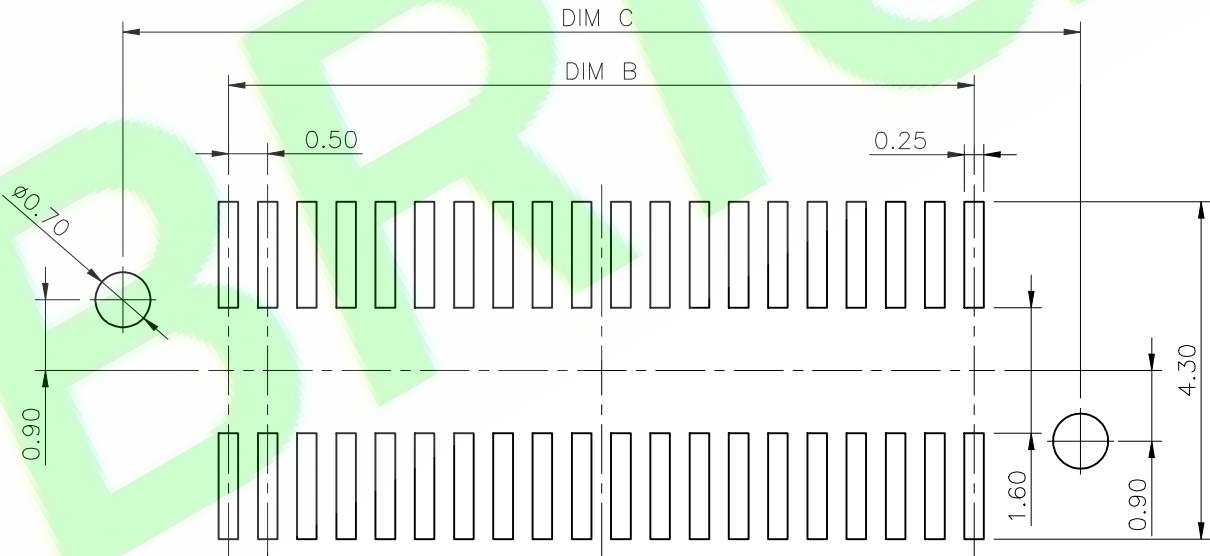
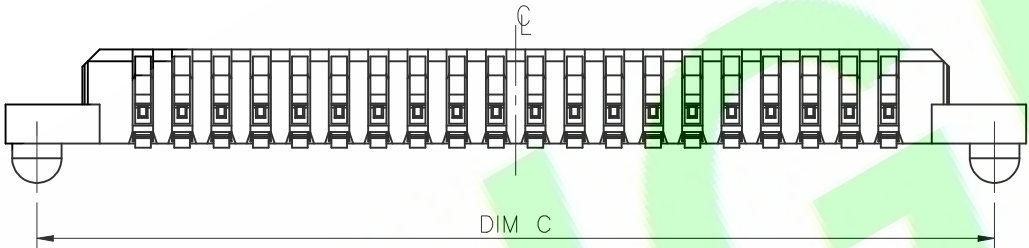
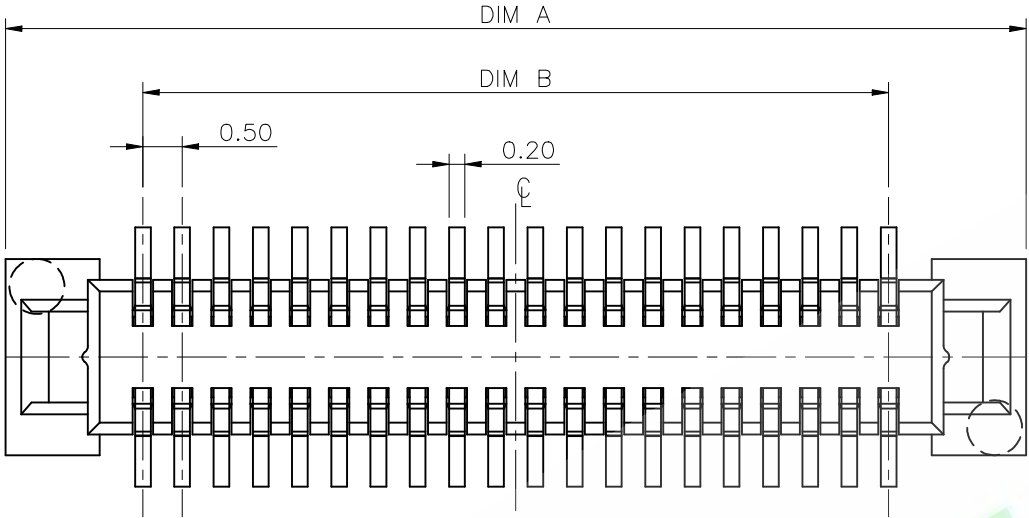
Specifications:  
Material And Finish:  
Insulator:LCP UL94V-0  
Color:Natural/Black  
Signal:Phosphor Bronze

Rating:  
Current Rating:0.5A AC(rms)/DC  
Voltage Rating:60V AC(rms)/DC  
Operating Temperature Range:-55~+125°C

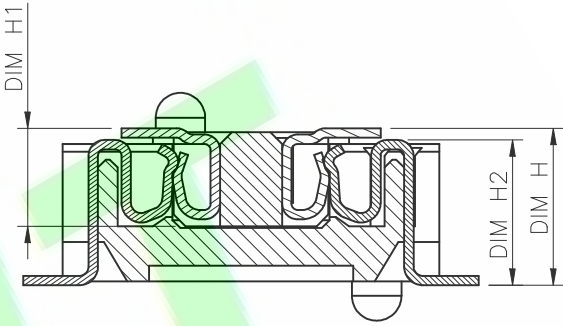
Electrical:  
Contact resistance:90m Ohm Max  
Insulator resistance:1000M Ohm Min  
Dielectric Voltage:150V AC/Minute

Ordering Information  
BM0500M-XXAM-XX-XXG  
1 2 3 4 5 6 7 8 9

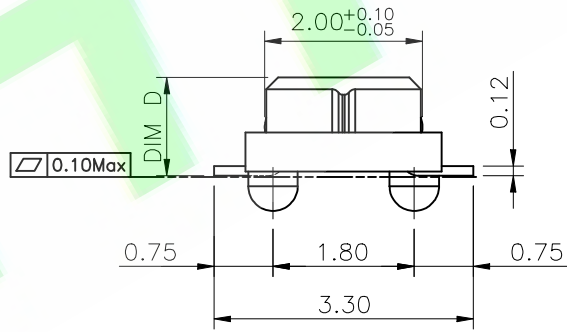
- 1:— Series No.  
2:— M:SMT Type  
3:— No. of Positions  
4:— A:Gold flash  
5:— M:Male  
6:— 01:DIM D=1.25  
02:DIM D=1.75  
7:— 0:Without Peg  
1:With Peg  
8:— N:Natural  
B:Black  
9:— G:W/O Cap In Tape&Reel



RECOMMENDED PCB LAYOUT  
TOLERANCE:±0.05



Assembly Female:  
BM0500M-XXAF-XX-XG



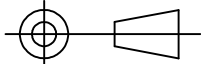
| DIM H | DIM H1 | DIM H2 |
|-------|--------|--------|
| 1.50  | 1.25   | 1.35   |
| 2.00  | 1.25   | 1.85   |
| 2.50  | 1.75   | 1.85   |

| PIN  | DIM A | DIM B | DIM C |
|------|-------|-------|-------|
| 10P  | 5.50  | 2.00  | 4.70  |
| 12P  | 6.00  | 2.50  | 5.20  |
| 14P  | 6.50  | 3.00  | 5.70  |
| 16P  | 7.00  | 3.50  | 6.20  |
| 20P  | 8.00  | 4.50  | 7.20  |
| 22P  | 8.50  | 5.00  | 7.70  |
| 24P  | 9.00  | 5.50  | 8.20  |
| 30P  | 10.50 | 7.00  | 9.70  |
| 34P  | 11.50 | 8.00  | 10.70 |
| 36P  | 12.00 | 8.50  | 11.20 |
| 40P  | 13.00 | 9.50  | 12.20 |
| 50P  | 15.50 | 12.20 | 14.70 |
| 60P  | 18.00 | 14.50 | 17.20 |
| 70P  | 20.50 | 17.00 | 19.70 |
| 80P  | 23.00 | 19.50 | 22.20 |
| 100P | 28.00 | 24.50 | 27.20 |

|                    |                    |               |                                           |  |
|--------------------|--------------------|---------------|-------------------------------------------|--|
| DR.BY.:<br>Judyyan | GENERAL TOLERANCE: |               | PART NO : BM0500M-XXAM-XX-XXG             |  |
|                    | LINEAR             | ANGLES        | DWG. NO.:                                 |  |
| CHKD.:<br>Aren     | X.:                | X': ±5.0°     | TITLE :<br>BTB 0.5mm Pitch Connector Male |  |
|                    | X.X: ±0.35         | X.X': ±3.0°   |                                           |  |
| APPD.:<br>Billy    | X.XX: ±0.25        | X.XX': ±2.0°  | DATE: 19-Nov-2024                         |  |
|                    | X.XXX: ±0.15       | X.XXX': ±1.0° |                                           |  |

**HJBRIGHT®** 东莞市華晶電子有限公司  
BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED

SHEET: 1/1  
SCALE: 1:1  
UNIT: mm



THIRD ANGLE PROJECTION

A4

|      |             |         |          |
|------|-------------|---------|----------|
| 1X   | ORIGINAL    | Judyyan |          |
| REV. | DESCRIPTION | DR.BY   | ECN. NO. |