# HSF

NOTE:
1.MATERIAL:
1.1 INSULATOR: LCP+30%G.F, UL94V-0; BLACK.
1.2 CAP: LCP+30%G.F, UL94V-0; BLACK.
1.3 CONTACT: PHOSPHOR BRONZE.
1.4 MOUNTING EAR: PHOSPHOR BRONZE.
2.FINISH:
2.1 CONTACT: 3u" OR 5u" MIN. GOLD PLATED IN CONTACT AREA
△B0 80u" MIN. TIN PLATED IN SOLDER AREA
50u" MIN. NICKEL UNDERPLATED OVERALL.
2.2 MOUNTING EAR: 100u" MIN. TIN PLATED OVER
50u" MIN. NICKEL UNDERPLATED OVERALL.
3.ELECTRICAL CHARACTERISTICS
3.1 CURRENT RATING: 0.5A.
3.2 CONTACT RESISTANCE: 65mΩ MAX.
3.3 INSULATION RESISTANCE: 1000MΩ MIN DC500V.
3.4 DIELECTRIC WITHSTANDING VOLTAGE: 250V AC PER MINUTE.
3.5 OPERATING TEMPERATURE: -40°C ~ +105°C.
3.6 OPERATING: 100 CYCLES MIN.
3.7 INSERTION FORCE: 90g MAX. Per PIN Pair.
3.8 WITHDRAWAL FORCE: 10g MIN. Per PIN Pair.
3.9 CONTACT RETENTION FORCE: 250g MIN. PER CONTACT
3.10 STORAGE TEMPERATURE: -10°C ~ +40°C.

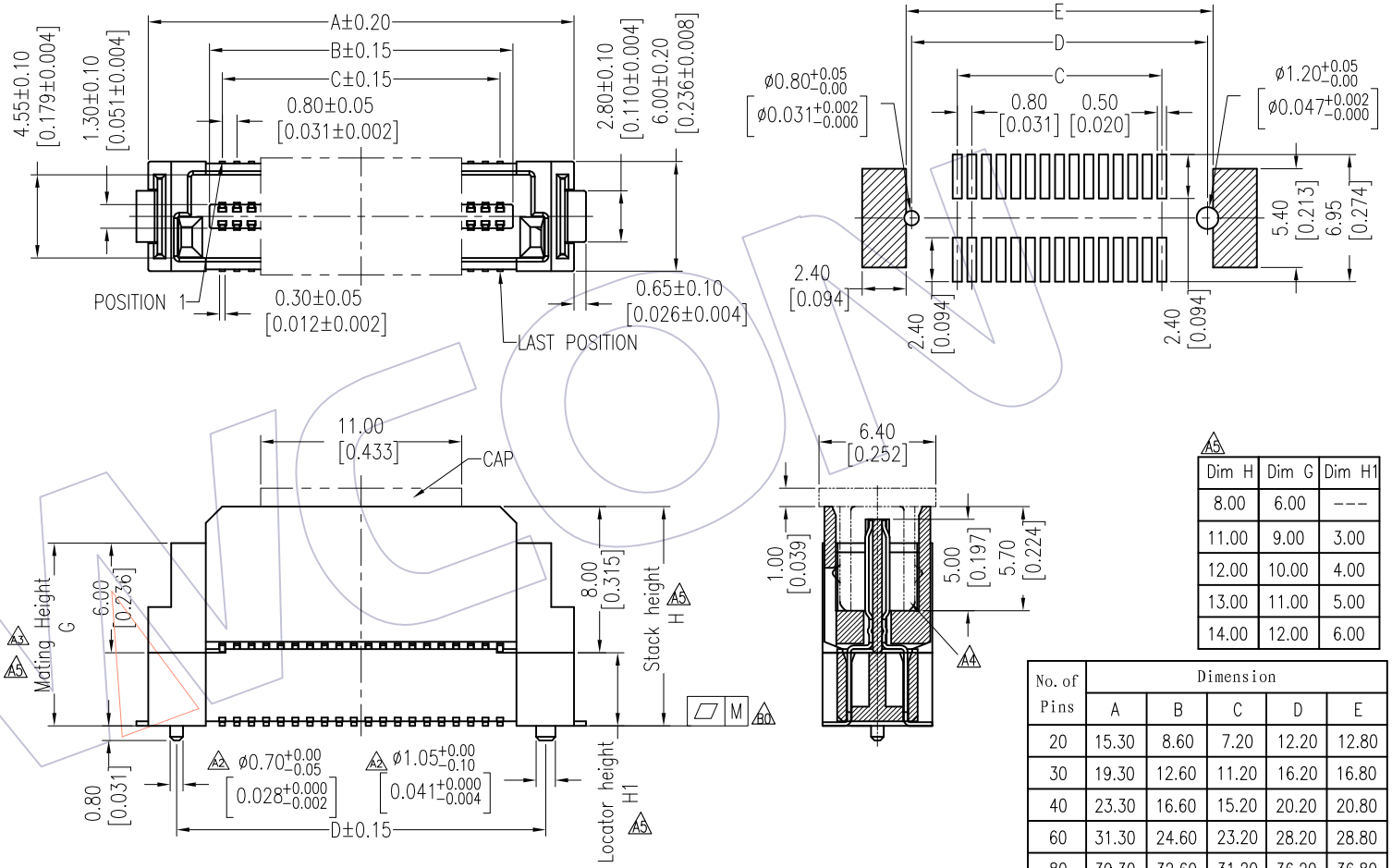
Flatness: <80Pins The "M" Is 0.10mm MAX
△B0 ≥80Pins The "M" Is 0.15mm MAX

## Ordering Information

3614- P XXX - XXX XX R 01

- No.of Pins
- High "H"
- Contact Plating: △B0 S1=3u"Gold/Tin, S2=5u"Gold/Tin
- Packing: R=Tape&Reel+CAP

Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE ± 0.05)




△A5

| Dim H | Dim G | Dim H1 |
|---|---|---|
| 8.00 | 6.00 | --- |
| 11.00 | 9.00 | 3.00 |
| 12.00 | 10.00 | 4.00 |
| 13.00 | 11.00 | 5.00 |
| 14.00 | 12.00 | 6.00 |

| No. of Pins | Dimension | | | | |
|---|---|---|---|---|---|
| | A | B | C | D | E |
| 20 | 15.30 | 8.60 | 7.20 | 12.20 | 12.80 |
| 30 | 19.30 | 12.60 | 11.20 | 16.20 | 16.80 |
| 40 | 23.30 | 16.60 | 15.20 | 20.20 | 20.80 |
| 60 | 31.30 | 24.60 | 23.20 | 28.20 | 28.80 |
| 80 | 39.30 | 32.60 | 31.20 | 36.20 | 36.80 |
| 100 | 47.30 | 40.60 | 39.20 | 44.20 | 44.80 |
| 120 | 55.30 | 48.60 | 47.20 | 52.20 | 52.80 |
| 160 | 71.30 | 64.60 | 63.20 | 68.20 | 68.80 |

| REV | DATE | MODIFICATION DESCRIPTION | CHANGE |
|---|---|---|---|
| B0 | 2013/06/26 | ADD NEW PLATED TYPE | △B0 |
| A5 | 2012/07/23 | MODIFY | △A5 |
| A4 | 2011/10/19 | CHANG THE CAP | △A4 |
| A0 | 2010/03/09 | NEW | —— |

| OPERATION | |
|---|---|
| X.X | ±0.40 |
| X.XX | ±0.25 |
| X.XXX | ±0.15 |
| Angle | ± 3° |
| DIM | TOL |

| | | | |
|---|---|---|---|
| DRAW | Tsingsn | DATE | 2013/06/26 |
| CHECK | | DATE | |
| APPROVE | | DATE | |

| | |
|---|---|
| SCALE | FIT |
| UNIT | mm / inch |
| SIZE | A4 |
| SHEET | 1/1 |
| PROJ. | |

PART NO. 3614-PXXX-XXXXXR01
TITLE: 0.80mm BTB MALE "D" TYPE 180° SMT
Customer NO.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