

# HSF

Recommended P.C.B Layout (Top Side)  
(PCB BOARD TOLERANCE  $\pm 0.05$ )

**NOTE:**

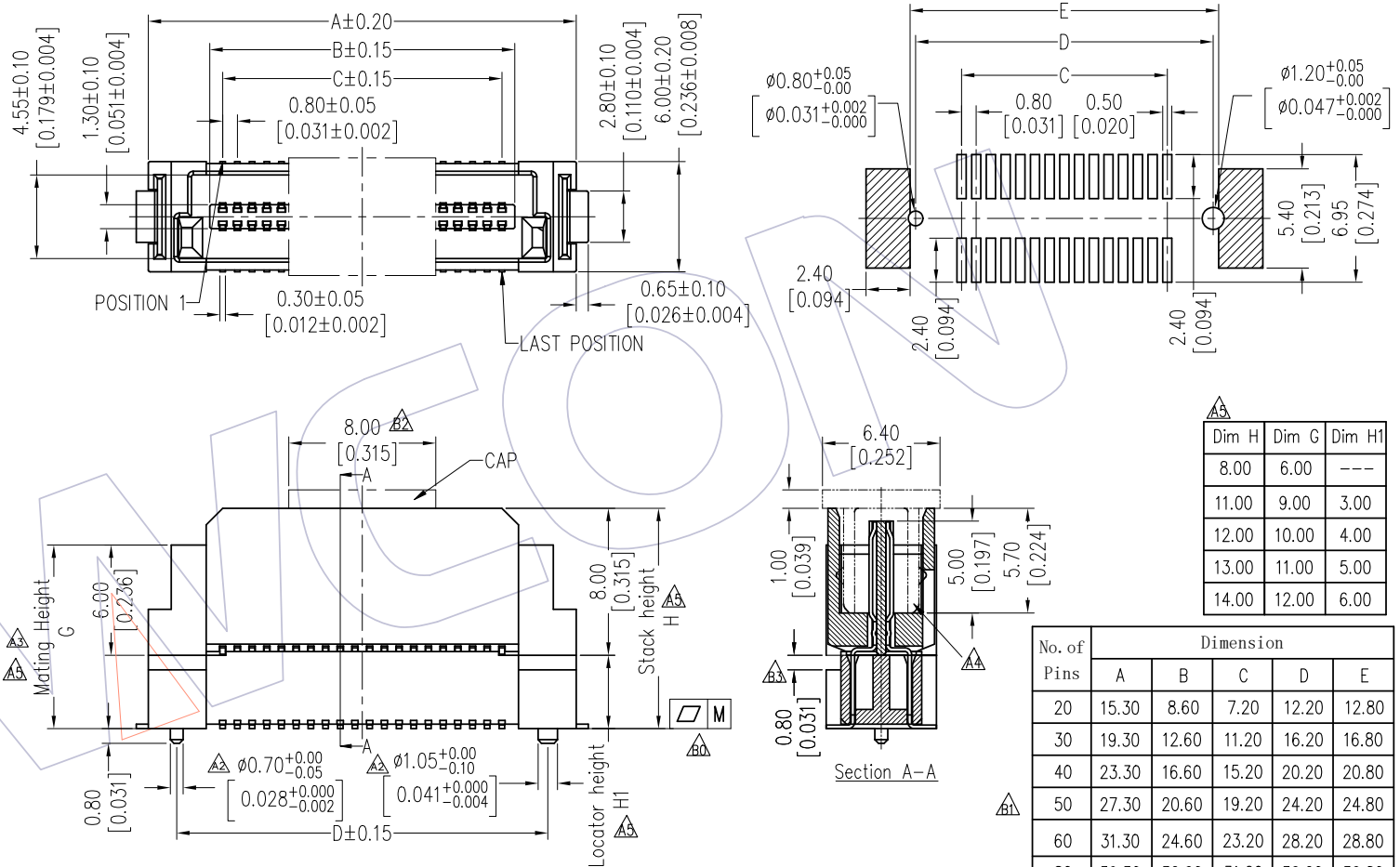
- 1.MATERIAL:  
 1.1 INSULATOR: LCP+30%G.F, UL94V-0; BLACK.  
 1.2 CAP: LCP+30%G.F, UL94V-0; BLACK.  
 1.3 CONTACT: PHOSPHOR BRONZE.  
 1.4 MOUNTING EAR: PHOSPHOR BRONZE.
- 2.FINISH:  
 2.1 CONTACT: 3u" OR 5u" MIN. GOLD PLATED IN CONTACT AREA  
      $\Delta$  80u" MIN. TIN PLATED IN SOLDER AREA  
     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: 65m $\Omega$  MAX.  
 3.3 INSULATION RESISTANCE: 1000M $\Omega$  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  
 $\Delta$   $\geq$ 80Pins The "M" Is 0.15mm MAX

## Ordering Information

**3614-P XXX - XXX XX R 01**

No.of Pins	High "H"	Contact Plating	Packing
$\Delta$	$\Delta$	$\Delta$	$\Delta$
	S1=3u"Gold/Tin	R=Tape&Reel+CAP	
	S3=10u"Gold/Tin		
	S4=15u"Gold/Tin		
	S5=30u"Gold/Tin		



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
50	27.30	20.60	19.20	24.20	24.80
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	OPERATION	DRAW	DATE	SCALE	FIT	PART NO.
B3	2018/05/24	Modify	$\Delta$	OPERATION	Ding	2018/05/24	mm	mm	3614-PXXX-XXXXR01
B2	2016/11/18	Modify CAP Length	$\Delta$	x.x ±0.40	CHECK	DATE	inch	A4	TITLE: 0.80mm BTB MALE "D" TYPE 180° SMT
B1	2016/08/08	ADD 50Pin	$\Delta$	x.xx ±0.25	APPROVE	DATE	1/1		Customer NO.
A0	2010/03/09	NEW		x.xxx ±0.15					
				Angle ± 3°					
				DIM TOL					

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