

### PRODUCT NUMBER STRUCTURE

10164228 - AAABCDEF

No. of Pins:  
 010=10Pin; 020=20Pin;  
 024=24Pin; 030=30Pin;  
 034=34Pin; 040=40Pin;  
 050=50Pin; 060=60Pin;  
 070=70Pin; 080=80Pin;  
 090=90Pin; 100=100Pin;  
 120=120Pin

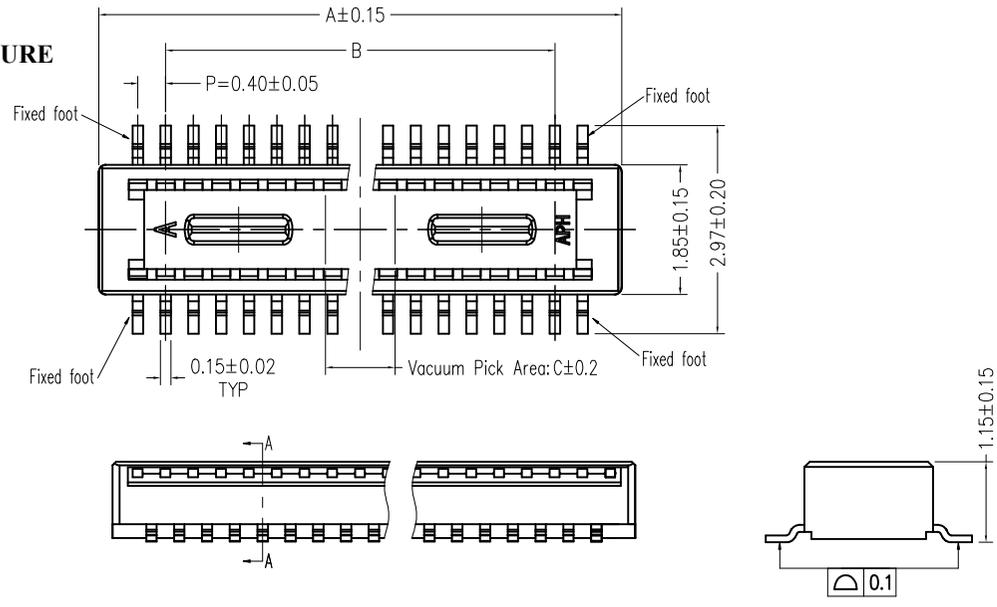
Height:  
 1=1.15mm

Contact plating:  
 A=Gold flash  
 B=8u" Min. AU  
 C=15u" Min. AU

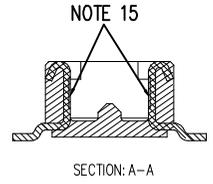
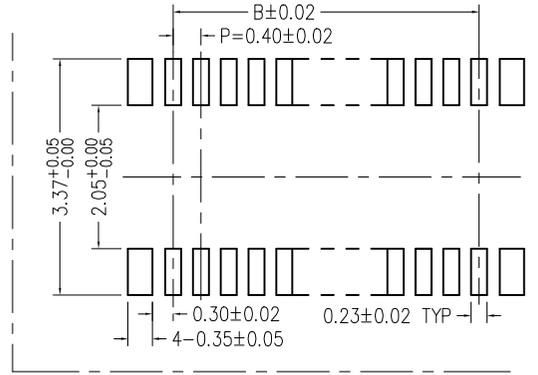
Hold down:  
 1=Without hold down

Packing:  
 R=Tape & Reel

LF:  
 LF=Lead free

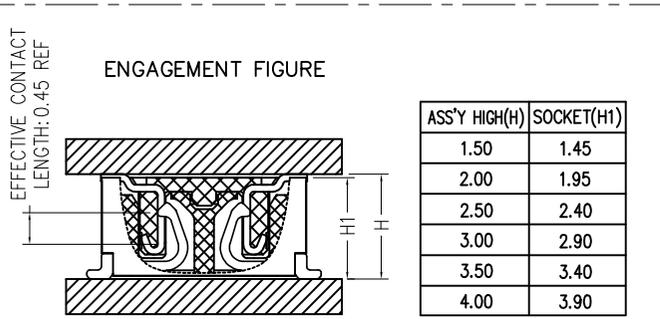


### Recommended P.C.B Layout(Top Side)



Amphenol FCI

- Note
- CURRENT RATING: 0.3A ON ALL CONTACTS SIMULTANEOUSLY;
  - VOLTAGE RATING: 30V AC ;
  - CONTACT RESISTANCE: 90mΩ Max;
  - WITHSTAND VOLTAGE : 100V AC;
  - INSULATION RESISTANCE: 50MΩ Min;
  - INSULATOR MATERIAL: LCP,G.F,UL94V-0,BK;
  - CONTACT MATERIAL: Copper Alloy;
  - CONTACT PLATING:  
SEE CONTACT PLATING OPTION AND ORDERING INFORMATION,  
50 μ" NICKEL UNDERPLATING OVERALL;
  - CO-PLANARITY FOR CONTACT TAILS MUST BE 0.1mm MAX.
  - THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
  - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10SECONDS IN A REFLOW SOLDERING OVEN.
  - RECOMMENDED STENCIL THICKNESS IS 120um.
  - RECOMMENDED STENCIL OPENING RATIO IS 80%.
  - PRODUCT SPEC : GS-12-1404.
  - 10 TO 50 POSITIONS HAVE LOCKING FEATURE BY CONCAVE DESIGN ON CONTACT;  
60 TO 100 POSITIONS HAVE NO CONCAVE DESIGN ON CONTACTS.



ASS'Y HIGH(H)	SOCKET(H1)
1.50	1.45
2.00	1.95
2.50	2.40
3.00	2.90
3.50	3.40
4.00	3.90

PART NO.	NO. of contacts	A	B	C
10164228-0101X1RLF	10	3.52	1.60	1.0
10164228-0201X1RLF	20	5.52	3.60	1.0
10164228-0241X1RLF	24	6.32	4.40	1.2
10164228-0301X1RLF	30	7.52	5.60	1.5
10164228-0341X1RLF	34	8.32	6.40	2.3
10164228-0401X1RLF	40	9.52	7.60	3.2
10164228-0501X1RLF	50	11.52	9.60	3.2
10164228-0601X1RLF	60	13.52	11.60	3.2
10164228-0701X1RLF	70	15.52	13.60	3.2
10164228-0801X1RLF	80	17.52	15.60	3.2
10164228-0901X1RLF	90	19.52	17.60	3.2
10164228-1001X1RLF	100	21.52	19.60	3.2
10164228-1201X1RLF	120	25.52	23.60	3.2

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mat'l. code		surface		tolerance		projection		product family	
		ISO 1302		ISO 406 ISO		1101		BERGSTAK	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title	
A	-	YY	2022/04/01	angles	linear			HEADER	
B	ELX-N-46224-1	YY	2022/11/14					BERGSTAK 0.4MM BTB	
C	ELX-N-51266	SF	2024/04/17	0°±2'		scale 1:1		dwg no sheet 1 of 1 size	
		dr	Bob Gu	2022/11/14			10164228		A3
		eng	Sanford Lu	2024/04/17			type Product Customer Drawing		
		chr	L-Q Lei	2024/04/17					
		app	Tim Yao	2024/04/17					
sheet index	revision sheet	C	1						