

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

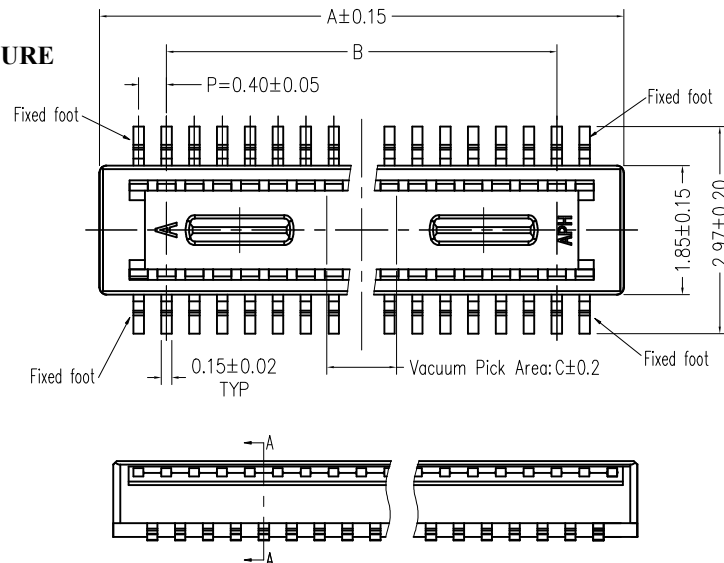
Height:
1=1.15mm

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

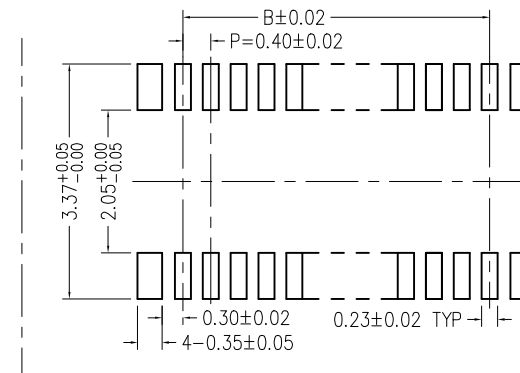
Hold down:
1=Without hold down

Packing:
R=Tape & Reel

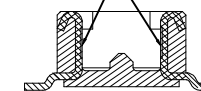
LF:
LF=Lead free



Recommended P.C.B Layout(Top Side)

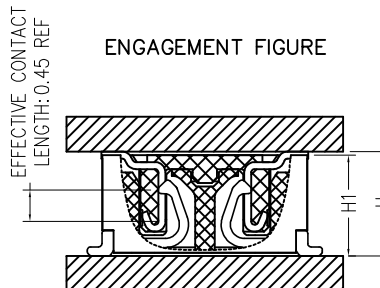


NOTE 15



SECTION: A-A

ENGAGEMENT FIGURE



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

Note

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

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

mat'l. code				surface	tolerance	projection	product family		
				ISO 1302	ISO 406	ISO 1101	BERGSTAK		
ltr	ecn no	dr	date	tolerances unless otherwise specified			title		
A	-	YY	2022/04/01	angles	linear	.0±.25	HEADER		
B	ELX-N-46224-1	YY	2022/11/14			.00±.20	BERGSTAK 0.4MM BTB		
C	ELX-N-51266	SF	2024/04/17	0±2'		.000±.10	scale 1:1		
				dr	Bob Gu	2022/11/14	dwg no		
				engr	Sanford Lu	2024/04/17	sheet 1 of 1		
				chr	L-Q Lei	2024/04/17	10164228		
				appd	Tim Yao	2024/04/17	type Product Customer Drawing		
sheet index	revision	c							
	sheet	1							