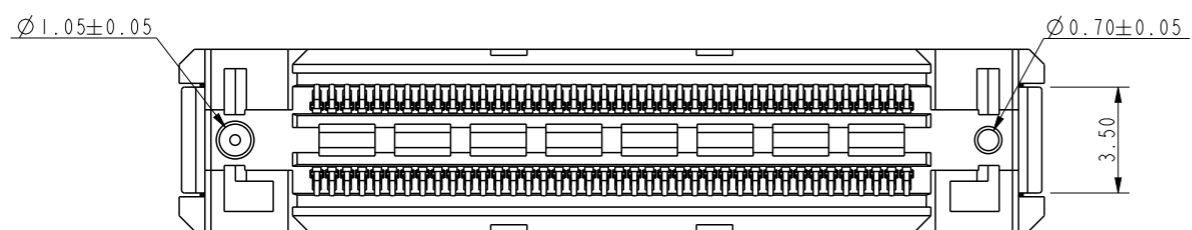


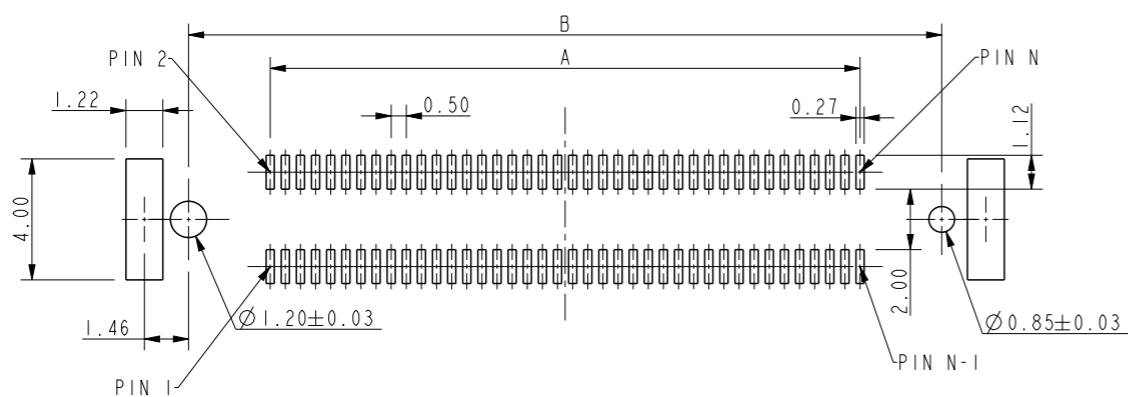
PEG AND HOLD DOWN ARE OPTIONAL

NOTE:

1. MATERIAL:
  - 1.1 HOUSING: HIGH TEMPERATURE RESIN, BLACK, UL94V-0;
  - 1.2 TERMINAL: COPPER ALLOY;
  - 1.3 HOLD DOWN: COPPER ALLOY;
2. PLATING:
  - 2.1 TERMINA: NICKEL UNDERPLATE OVERALL 1.27um MIN  
SEE SHEET 2 PLATING OPTION.
  - 2.2 HOLD DOWN: NI UNDER PLATING, ALL OVER MATTE TIN
3. SEE GS-12-1727 FOR PRODUCT SPEC.
4. THE HOUSING WILL WITHSTAND EXPOSURE UP TO 260~ PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
5. ALL SOLDER TAIL OF COMPLANARITY: 0.1MM MAX



RECEPTACLE TYPE	P/N	C
RECEPTACLE 1	10163419-XX1XXXXLF	3.55
RECEPTACLE 2	10163419-XX3XXXXLF	4.55
RECEPTACLE 3	10163419-XX3XXXXLF	5.55
RECEPTACLE 4	10163419-XX4XXXXLF	6.55



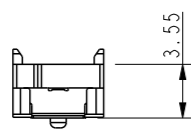
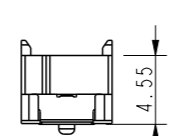
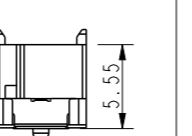
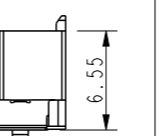
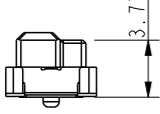
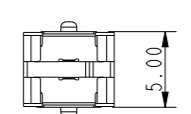
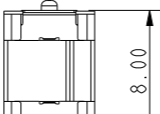
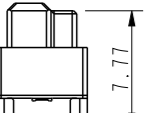
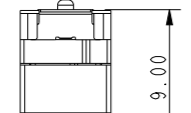
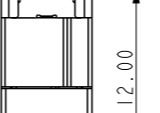

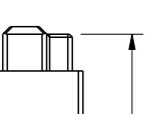
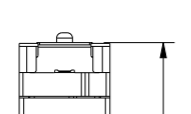
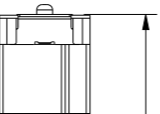

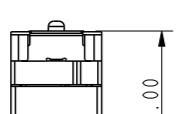
RECOMMENDED PCB LAYOUT  
TOLERANCE ±0.05 UNLESS SPECIFIED

P/N	PIN No.	A	B
10163419-02XXXXXLF	2 X 10	4.50	9.90
10163419-03XXXXXLF	2 X 15	7.00	12.40
10163419-04XXXXXLF	2 X 20	9.50	14.90
10163419-05XXXXXLF	2 X 25	12.00	17.40
10163419-06XXXXXLF	2 X 30	14.50	19.90
10163419-07XXXXXLF	2 X 35	17.00	22.40
10163419-08XXXXXLF	2 X 40	19.50	24.90
10163419-09XXXXXLF	2 X 45	22.00	27.40
10163419-10XXXXXLF	2 X 50	24.50	29.90
10163419-0AXXXXXLF	2 X 55	27.00	32.40
10163419-0BXXXXXLF	2 X 60	29.50	34.90

spec ref	dr	Yuan-Yuan Bao	2022/03/22	projection	MM	size	A3	scale	1:1
tolerance std	eng	Sanford Lu	2025/02/11			ecn no	ELX-N-51088-1	rel level	Released
ISO 406 ISO 1101	chr	-	-						
surface	linear	0.X	±0.30		BERGSTAK 0.5MM HS RECEPTACLE	dwg no	10163419	rev	D
		0.XX	±0.20						
ISO 1302	angular	0°	±°	cat. no.	Product - Customer Drw	sheet 1 of 2			

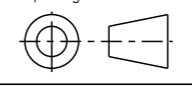
Amphenol  
FCi

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		10163419				
A      B   C   D	COMBINATION OF MATED HEIGHT					
		RECEPTACLE 1	RECEPTACLE 2	RECEPTACLE 3	RECEPTACLE 4	
	HEADER 1			6mm Stack Height	7mm Stack Height	
	HEADER 2			10mm Stack Height	11mm Stack Height	
	HEADER 3		13mm Stack Height	14mm Stack Height	15mm Stack Height	16mm Stack Height
	HEADER 4			18mm Stack Height	19mm Stack Height	
HEADER 6			/	/	/	

10163419- XX X X X X X LF

- LF: LEAD FREE
- PACKING OPTION:  
0: TUBE  
2: TAPE AND REEL WITH MYLAR
- HOUSING OPTION:  
0: WITH PEG  
1: WITHOUT PEG
- HOLD DOWN OPTION:  
0: YES  
1: NO
- PLATING OPTION:  
1: GOLD FLASH ON CONTACT AREA  
GOLD FLASH ON SOLDER TAIL  
2: 0.38um MIN. GOLD/GXT ON CONTACT AREA  
GOLD FLASH ON SOLDER TAIL  
3: 0.76um MIN. GOLD/GXT ON CONTACT AREA  
GOLD FLASH ON SOLDER TAIL
- RECEPTACLE TYPE:  
1: RECEPTACLE 1  
2: RECEPTACLE 2  
3: RECEPTACLE 3  
4: RECEPTACLE 4
- PIN NUMBER:  
02: 2X10  
03: 2X15  
04: 2X20  
05: 2X25  
06: 2X30  
07: 2X35  
08: 2X40  
09: 2X45  
10: 2X50  
0A: 2X55  
0B: 2X60

spec ref	dr	Yuan-Yuan Bao	2022/03/22	projection	MM	size	A3	scale	1:1		
tolerance std	eng	Sanford Lu	2025/02/11		← →	ecn no	ELX-N-51088-1				
ISO 406 ISO 1101	chr	-	-				rel level	Released			
surface	appr	Tim Yao	2025/02/24	product family	-	rel level	Released				
ISO 1302	linear	0.X	±0.30	Amphenol FCi	BERGSTAK 0.5MM HS RECEPTACLE	dwg no	10163419		rev	D	
		0.XX	±0.20				cat. no.	-	Product - Customer Drw	sheet 2 of 2	
	angular	0°	±°								