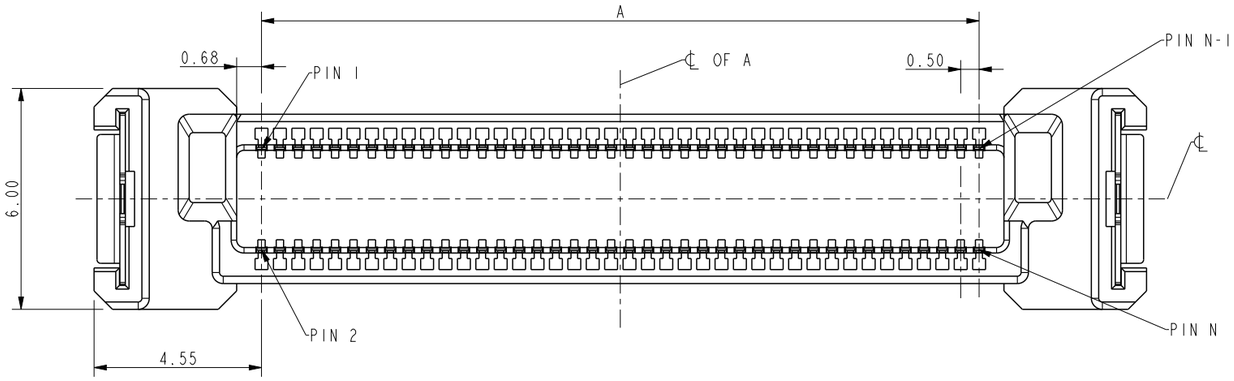
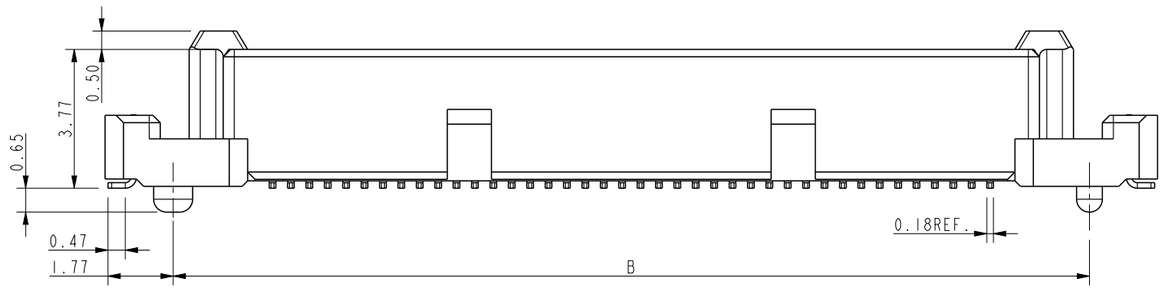
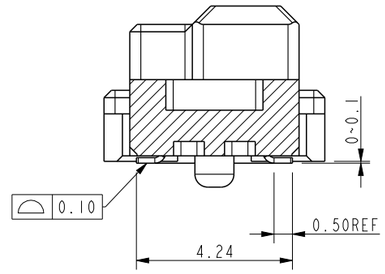
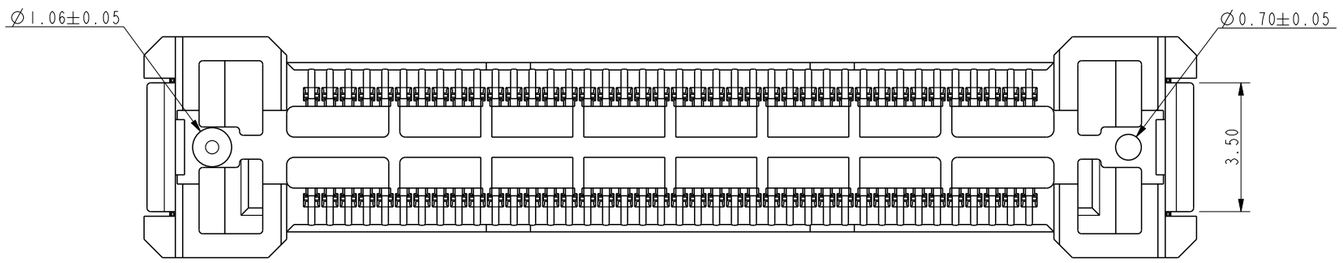








P/N	POSITION	A	B
10189888-21X0000LF	20	4.50	9.90
10189888-31X0000LF	30	7.00	12.40
10189888-41X0000LF	40	9.50	14.90
10189888-51X0000LF	50	12.00	17.40
10189888-61X0000LF	60	14.50	19.90
10189888-71X0000LF	70	17.00	22.40
10189888-81X0000LF	80	19.50	24.90
10189888-91X0000LF	90	22.00	27.40
10189888-A1X0000LF	100	24.50	29.90
10189888-B1X0000LF	110	27.00	32.40
10189888-C1X0000LF	120	29.50	34.90

spec ref				dr	Sanford Lu	2025/10/24	projection	MM	size A3	scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sanford Lu	2025/10/27			ecn no	
				chr	-	-			rel level:	Released
surface ISO 1302	linear	0.X	±0.30	appr	Tim Yao	2025/10/27	product family			
		0.XX	±0.20	Amphenol FCi	title	FUTUREHSTAK 0.5MM HEADER	dwg no	10189888	rev	A
		0.XXX	±0.10		cat. no.		Product - Customer Drw		sheet 1 of 2	
	angular	0°	±°							

© 2020 Amphenol Corporation

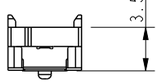
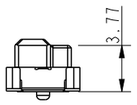
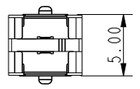
Creo File:ELX-WC-A3C,REV F,2020-12-21

PDS: Rev :A

STATUS:Released

Printed: Oct 28, 2025

Downloaded from Arrow.com.

	COMBINATION OF MATED HEIGHT	10189889
		 RECEPTACLE
10189888	 HEADER	

RECOMMENDED PCB LAYOUT
TOLERANCE ±0.05 UNLESS SPECIFIED

PART NUMBER SCHEME:

10189888-X 1 X 0000LF

X	POSITION
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
A	100
B	110
C	120

X	PLATING: CONTACT AREA
1	GOLD 0.05um MIN
2	GOLD OR GXT 0.2um MIN
3	GOLD OR GXT 0.375um MIN
4	GOLD OR GXT 0.75um MIN

NOTES:
1. MATERIAL:
   1.1 HOUSING: THERMOPLASTIC,BLACK,UL94-V0;
   1.2 TERMINAL: COPPER ALLOY;
   1.3 HOLD DOWN: COPPER ALLOY;
2. PLATING:
   2.1 UNDER PLATING:1-3μm NI UNDER PLATING;
   2.2 CONTACT AREA: ACCORDING TO PART NUMBER;
   2.3 SOLDER TAIL:
      2.3.1 TERMINAL: 0.05um GOLD ON SOLDER TAIL;
      2.3.2 HOLD DOWN:TIN PLATING;
3. PRODUCT SPEC GS-12-1727;
4. APPLICATION SPEC:GS-20-0750;
6. THIS HOUSIONG WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A IR REFLOW SOLDERING APPLICATION.
7. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.

© 2020 Amphenol Corporation

spec ref			dr	Sanford Lu	2025/10/24	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sanford Lu	2025/10/27	size A3	scale 1:1
			chr	-	-		ecn no
			appr	Tim Yao	2025/10/27	product family -	rel level: Released
surface - ISO 1302	linear	0.X ±0.30	Amphenol FCi	title	FUTUREHSTAK 0.5MM HEADER	dwg no 10189888	rev A
		0.XX ±0.20					
		0.XXX ±0.10					
	angular	0° ±°		cat. no. -	Product - Customer Drw		sheet 2 of 2

Creo File:ELX-WC-A3C,REV F,2020-12-21

Downloaded from Arrow.com.

PDS: Rev :A STATUS:Released Printed: Oct 28, 2025