

PRODUCT NO.
SEE TABLE

10147613-AA B C D E LF

AA	POSITION
04	2X20
06	2X30
08	2X40
10	2X50
12	2X60
14	2X70
16	2x80
18	2x90

NOTE 5

B	FOR PLUG SEE FRAWING 10147614	
COMBINATION OF MATED HEIGHT	PLUG 1	PLUG 4
RECEP 1		
RECEP 2		

E	PACKAGING
0	TUBE WITHOUT CAP
6	T&R WITH KAPTON CAP

D	POLARIZATION PEG
0	YES
1	NO

C	PLATING ON CONTACT AREA / ON SOLDER TAIL AREA
4	GOLD 0.2umMIN. ON CONTACT AREA PURE TIN 2.5um MIN(LEAD FREE) ON SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um MIN
5	GOLD 0.38umMIN. ON CONTACT AREA PURE TIN 2.5um MIN(LEAD FREE) ON SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um MIN
6	GOLD OR GXT 0.76umMIN ON CONTACT AREA PURE TIN 2.5um MIN(LEAD FREE) ON SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um MIN

NOTE:

- MATERIAL:
HOUSING: HIGH TEMPERATURE RESIN,NATURAL, UL94-V0
TERMINAL: COPPER ALLOY
- PLATING:
AS SHOWN IN TABLE.
- SEE GS-12-1499 FOR PRODUCT SPEC.
- THE HOUSING WILL WITHSTAND EXPOSURE UP TO 260°C PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ONLY 120POS PRODUCT IS AVAILABLE.

spec ref -				dr Bob Gu		2019/12/31		projection	mm	size A3		scale 3:1		
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Alan Ni		2023/01/30				ecn no ELX-N-47124-1				
				chr -		-				rel level Released				
				appr Tim Yao		2023/02/03								
product family -														
surface ✓ ISO 1302	linear	0.X ±0.3		Amphenol FCI	title RECEPTACLE ASSEMBLY				dwg no 10147613				rev D	
		0.XX ±0.15												
		0.XXX ±0.08			cat. no. -				Product - Customer Drw					sheet 1 of 4
	angular	0° ±2°												

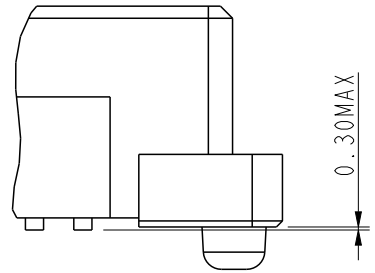
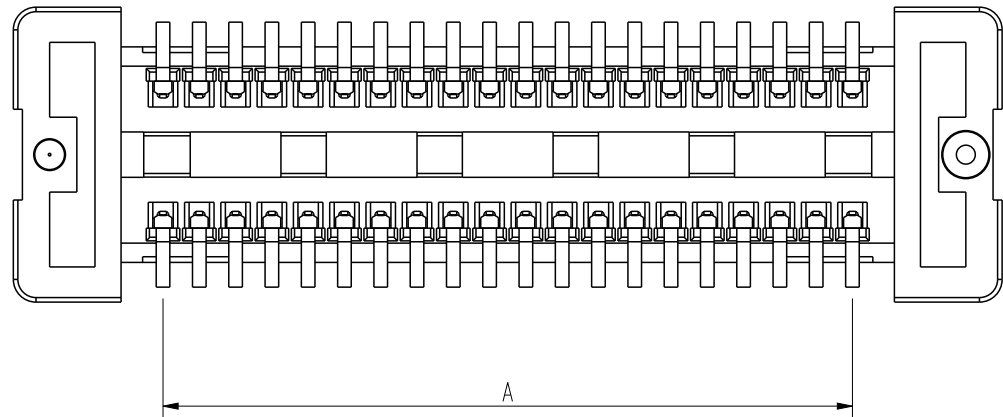
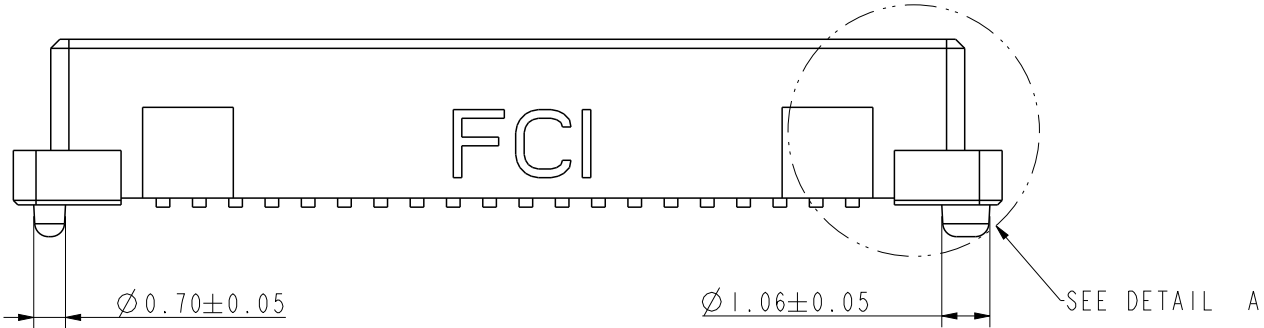
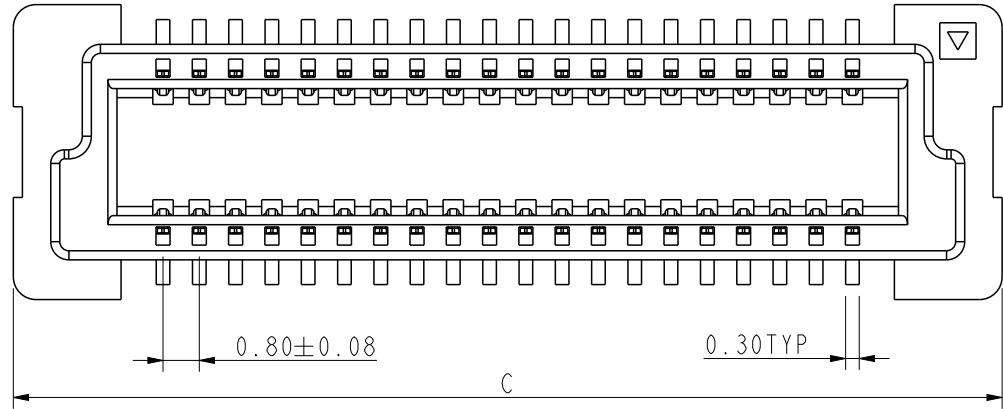
A

B

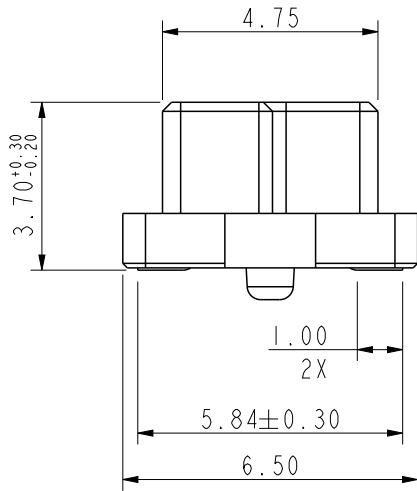
C

D

PRODUCT NO.	NO. OF POSITION	DEMENSION		
		A	B	C
10147613-041*0**LF	2X20	15.20	20.20	21.80
10147613-061*0**LF	2X30	23.20	28.20	29.80
10147613-081*0**LF	2X40	31.20	36.20	37.80
10147613-101*0**LF	2X50	39.20	44.20	45.80
10147613-121*0**LF	2X60	47.20	52.20	53.80
10147613-141*0**LF	2X70	55.20	60.20	61.80
10147613-161*0**LF	2x80	63.20	68.20	69.80
10147613-181*0**LF	2x90	71.20	76.20	77.80

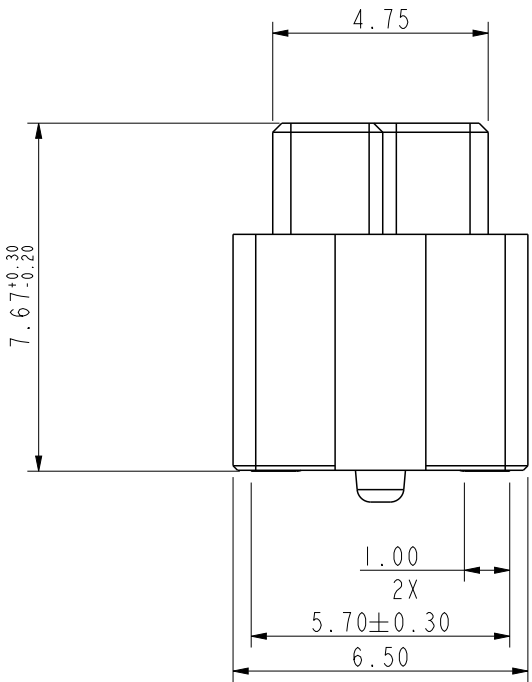
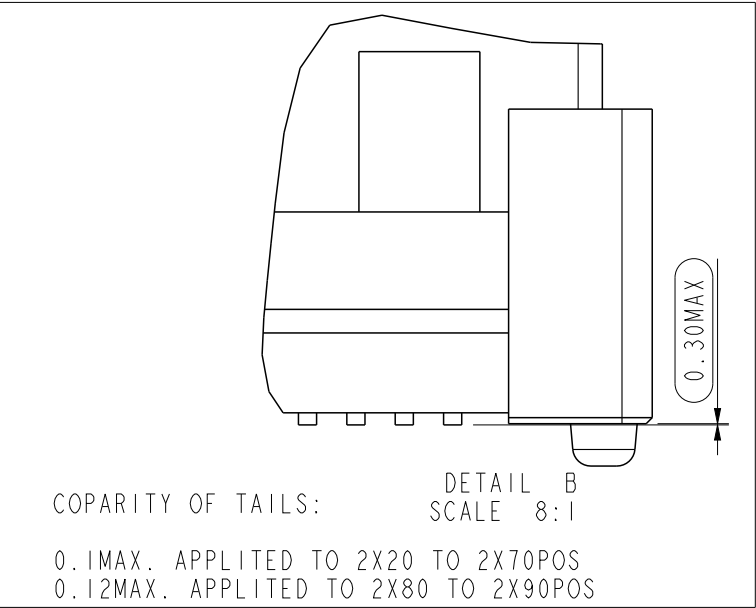
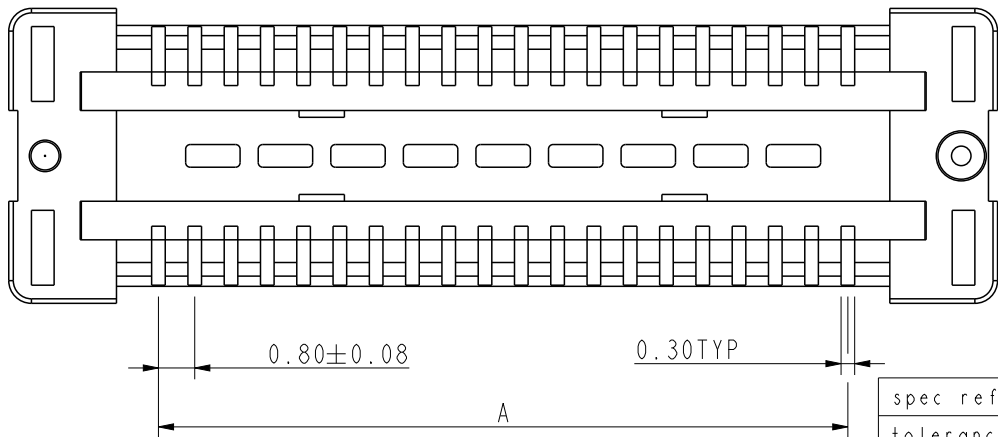
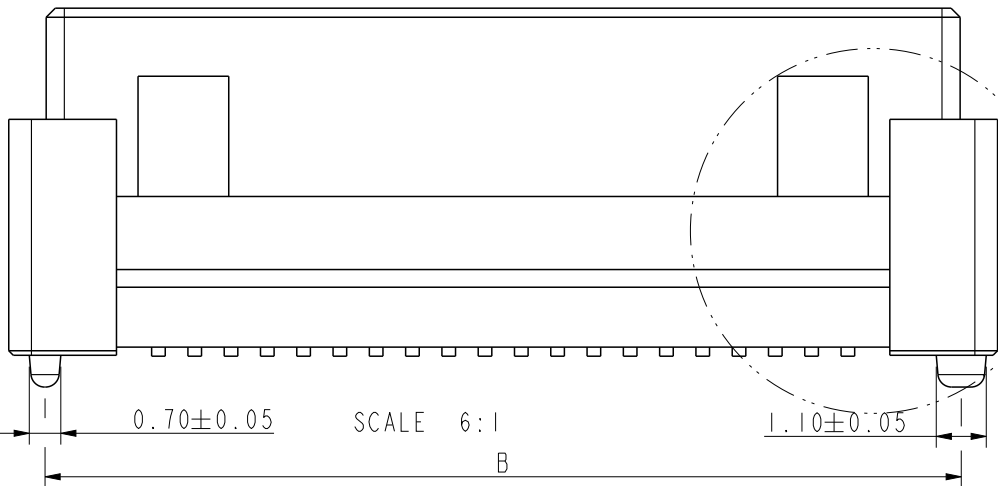
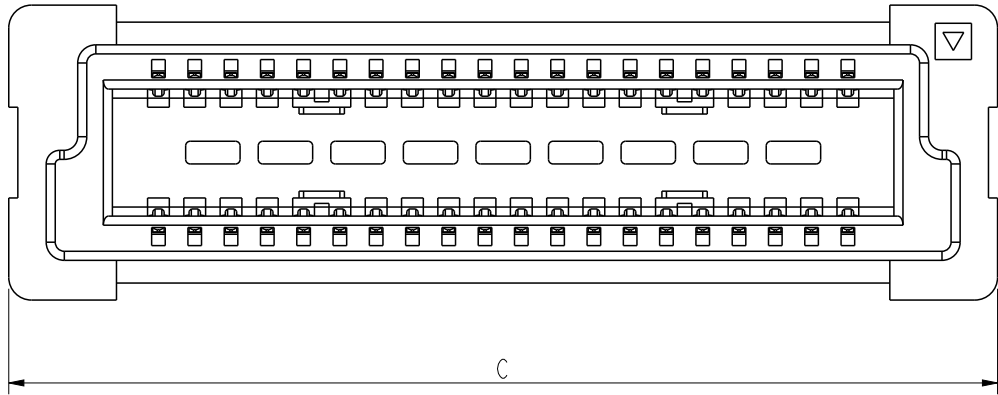


DETAIL A
SCALE 8:1



spec ref -				dr Bob Gu		2019/12/31				size A3		scale 2:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Alan Ni		2023/01/30				ecn no ELX-N-47124-1					
ISO 406 ISO 1101				chr -		-									
				appr Tim Yao		2023/02/03		product family				rel level Released			
surface  ISO 1302		linear		Amphenol FCi		title RECEPTACLE ASSEMBLY BERGSTAK HS 0.8MM		dwg no 10147613		rev D					
												0.X ±0.3			
		0.XX ±0.15													
		0.XXX ±0.08													
angular		0° ±2°				cat. no.		Product - Customer Drw				sheet 2 of 4			

PRODUCT NO.	NO. OF POSITION	DEMENSION		
		A	B	C
10147613-042*0**LF	2X20	15.20	20.20	21.80
10147613-062*0**LF	2X30	23.20	28.20	29.80
10147613-082*0**LF	2X40	31.20	36.20	37.80
10147613-102*0**LF	2X50	39.20	44.20	45.80
10147613-122*0**LF	2X60	47.20	52.20	53.80
10147613-142*0**LF	2X70	55.20	60.20	61.80

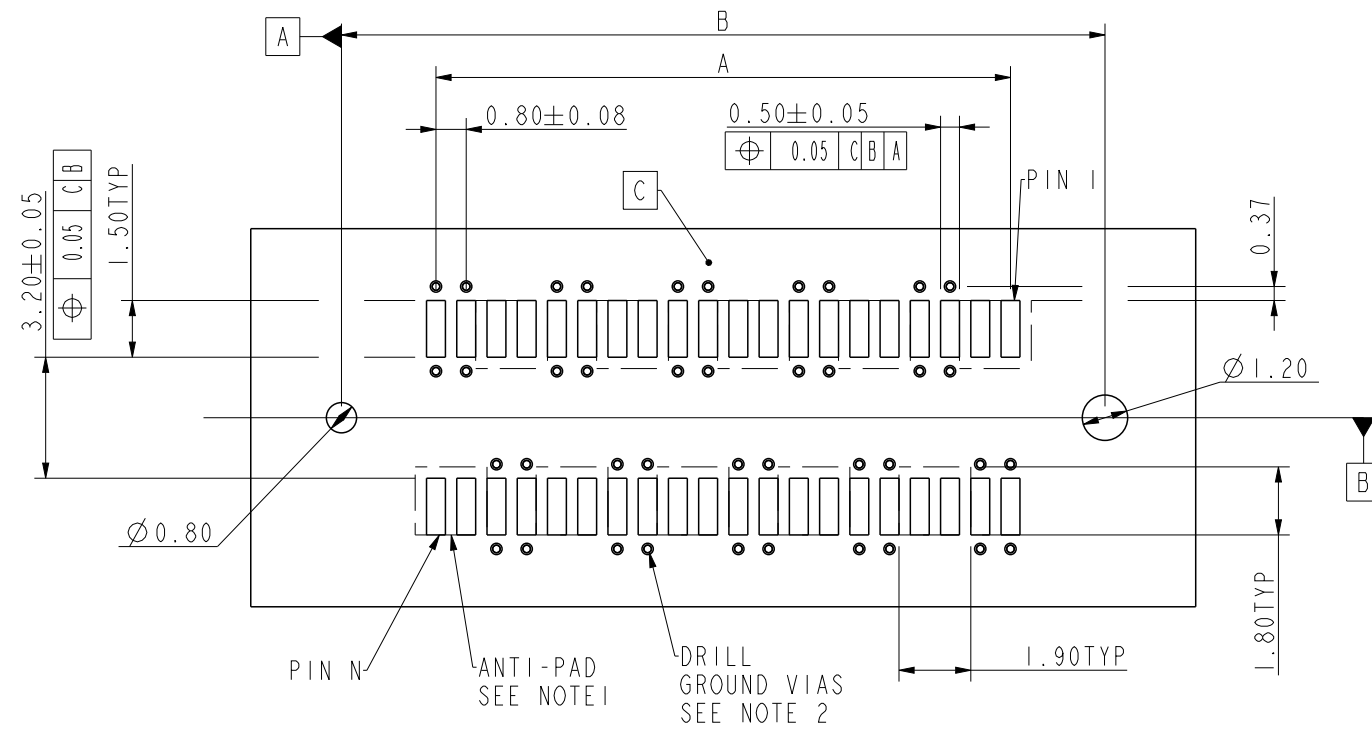


spec ref	-	dr	Bob Gu	2019/12/31
tolerance std	ISO 406 ISO 1101	eng	Alan Ni	2023/01/30
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-
		appr	Tim Yao	2023/02/03
surface	linear	0.X	±0.3	
		0.XX	±0.15	
		0.XXX	±0.08	
ISO 1302	angular	0°	±2°	

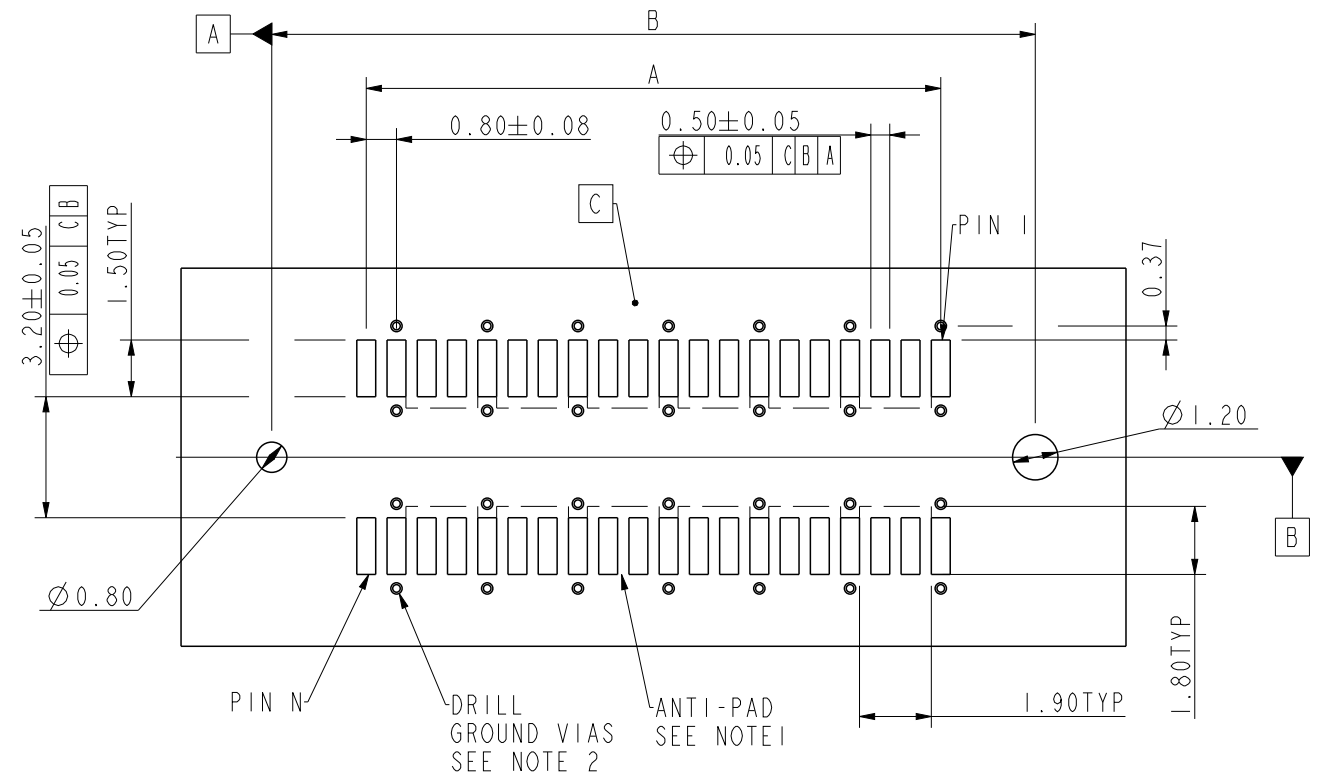
Amphenol
FCi

RECEPTACLE ASSEMBLY
BERGSTAK HS 0.8MM

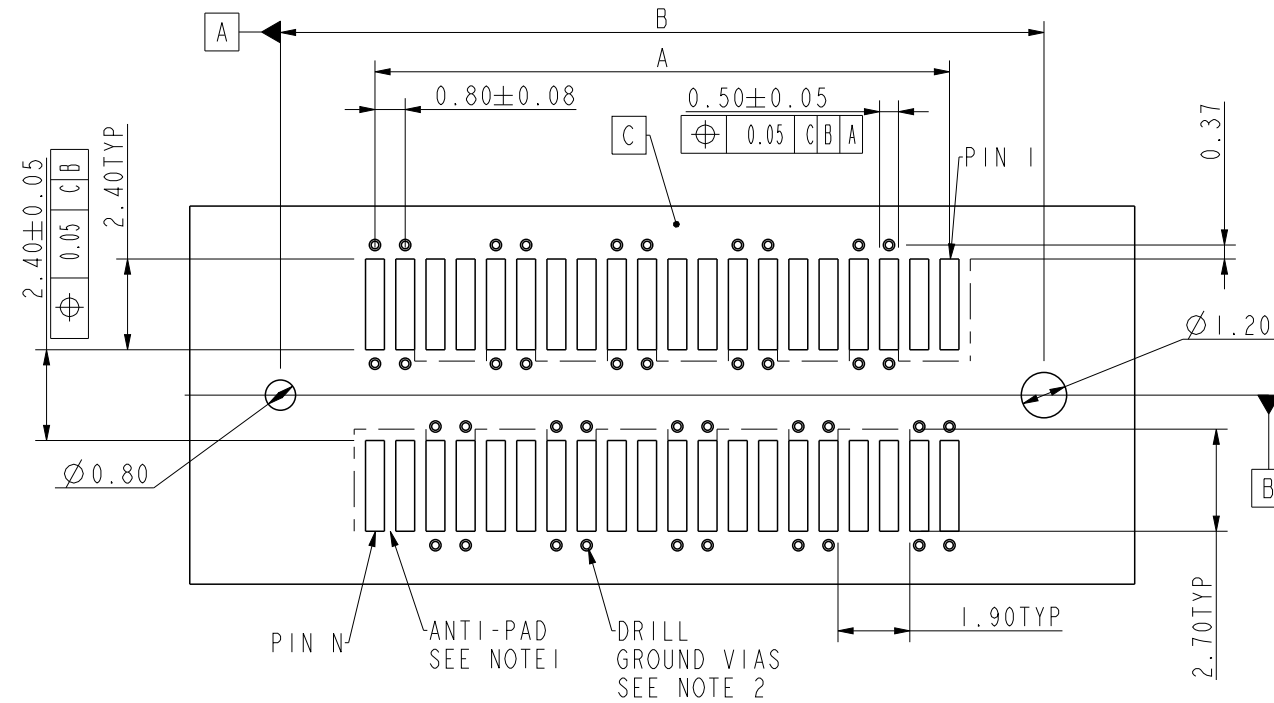
10147613
D



DOUBLE GROUND PATTERN
RECOMMENDED HS PCB LAYOUT



SIGLE GROUND PATTERN
RECOMMENDED HS PCB LAYOUT



DOUBLE GROUND PATTERN
RECOMMENDED STD PCB LAYOUT

PRODUCT NO.	NO. OF POSITION	DEMENSION	
		A	B
10147613-041*0**LF	2X20	15.20	20.20
10147613-061*0**LF	2X30	23.20	28.20
10147613-081*0**LF	2X40	31.20	36.20
10147613-101*0**LF	2X50	39.20	44.20
10147613-121*0**LF	2X60	47.20	52.20
10147613-141*0**LF	2X70	55.20	60.20
10147613-161*0**LF	2x80	63.20	68.20
10147613-181*0**LF	2x90	71.20	76.20

NOTE:

1. FOR HS PCB, THE RECOMMENDED VOID SIZE IS 1.9MMx1.8MM;
FOR STD PCB, THE RECOMMENDED VOID SIZE IS 1.9MMx2.7MM;
2. THE GROUND VIAS ARE REQUIRED TO ADD TO BOTH SIDES OF GROUND PAD, THE DISTANCE FROM VIA CENTER TO THE PAD EDGE IS RECOMMENDED TO BE 0.37MM.

spec ref -				dr Bob Gu	2019/12/31	projection	mm	size A3	scale 5:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Alan Ni	2023/01/30			ecn no ELX-N-47124-1	
				chr -	-				
				appr Tim Yao					2023/02/03
surface ISO 1302	linear	0.X	±0.3	Amphenol FCI	title RECEPTACLE ASSEMBLY BERGSTAK HS 0.8MM	dwg no 10147613	rev D		
		0.XX	±0.15						
		0.XXX	±0.08						
	angular	0°	±2°					cat. no.	Product - Customer Drw