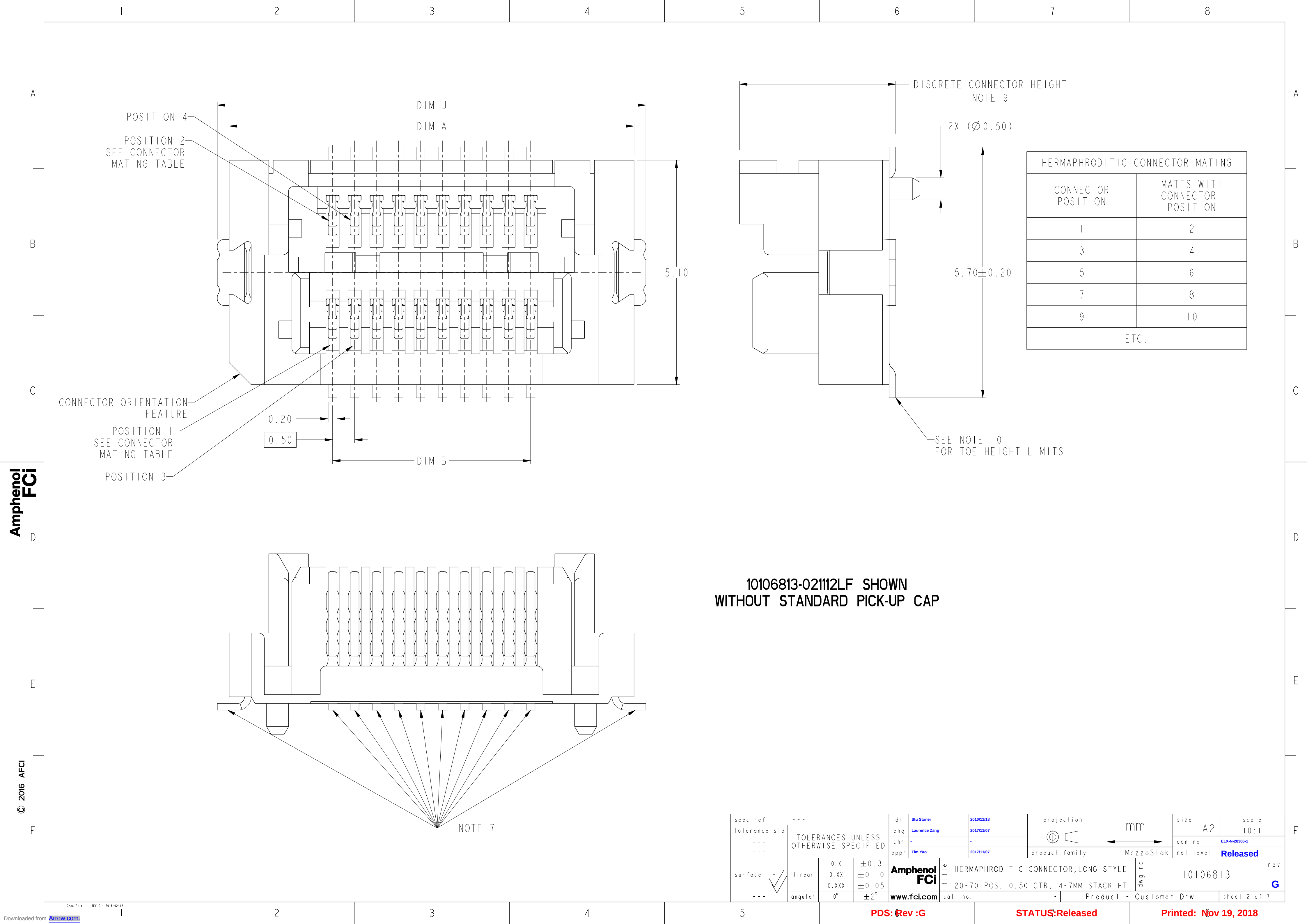
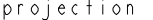




10106813-021112LF SHOWN
WITHOUT STANDARD PICK-UP CAP

spec ref		---		dr		Stu Stoner		2010/11/18		projection				size		A2		scale		10:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Laurence Zang		2017/11/07				mm		ecn no		ELX-N-28306-1		rel level		Released	
---				chr		-		-													
---				appr		Tim Yao		2017/11/07						product family		MezzoStak					
surface				linear		0.X		±0.3		Amphenol FCI		title		HERMAPHRODITIC CONNECTOR, LONG STYLE 20-70 POS, 0.50 CTR, 4-7MM STACK HT		dwg no		10106813		rev	
				0.XX		±0.10															
				0.XXX		±0.05															
---		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 7					

PDS: Rev :G

STATUS:Released

Printed: Nov 19, 2018

PRODUCT NUMBER	NUMBER OF POSTIONS	DIM A	DIM B	DIM J	CONNECTOR LOCATING PEGS	CONNECTOR HOLD DOWNS	DISCRETE CONNECTOR HEIGHT NOTE 9	PRACTICAL CONNECTOR HEIGHT NOTE 8	STATUS
10106813-021112LF	20	9.20	4.50	9.74	YES	YES	3.55	2.00	RELEASED
10106813-031112LF	30	11.70	7.00	12.24					
10106813-041112LF	40	14.20	9.50	14.74					
10106813-051112LF	50	16.70	12.00	17.24					
10106813-061112LF	60	19.20	14.50	19.74					
10106813-071112LF	70	21.70	17.00	22.24					
10106813-171112LF	70	21.70	17.00	22.24					
10106813-022112LF	20	9.20	4.50	9.74			4.05	2.50	UN-RELEASED
10106813-032112LF	30	11.70	7.00	12.24					
10106813-042112LF	40	14.20	9.50	14.74					
10106813-052112LF	50	16.70	12.00	17.24					
10106813-062112LF	60	19.20	14.50	19.74					
10106813-072112LF	70	21.70	17.00	22.24					
10106813-023112LF	20	9.20	4.50	9.74					
10106813-033112LF	30	11.70	7.00	12.24					
10106813-043112LF	40	14.20	9.50	14.74					
10106813-053112LF	50	16.70	12.00	17.24					
10106813-063112LF	60	19.20	14.50	19.74					
10106813-073112LF	70	21.70	17.00	22.24					
10106813-173112LF	70	21.70	17.00	22.24					
10106813-024112LF	20	9.20	4.50	9.74			5.05	3.50	RELEASED
10106813-034112LF	30	11.70	7.00	12.24					
10106813-044112LF	40	14.20	9.50	14.74					
10106813-054112LF	50	16.70	12.00	17.24					
10106813-064112LF	60	19.20	14.50	19.74					
10106813-074112LF	70	21.70	17.00	22.24					
10106813-174112LF	70	21.70	17.00	22.24					

0.5 BTB HERMAPHRODITIC CONNECTOR ASSEMBLY PART NUMBER SCHEME
EXAMPLE: 10106813-X X X X X X LF

RIB OPTION
0 = W/O RIB ON WELL SIDE WALL
1 = WITH RIBS ON WELL SIDE WALL
SEE BELOW PICTURES SHOWN

NUMBER OF POSITIONS	
2	= 20 POS
3	= 30 POS
4	= 40 POS
5	= 50 POS
6	= 60 POS
7	= 70 POS

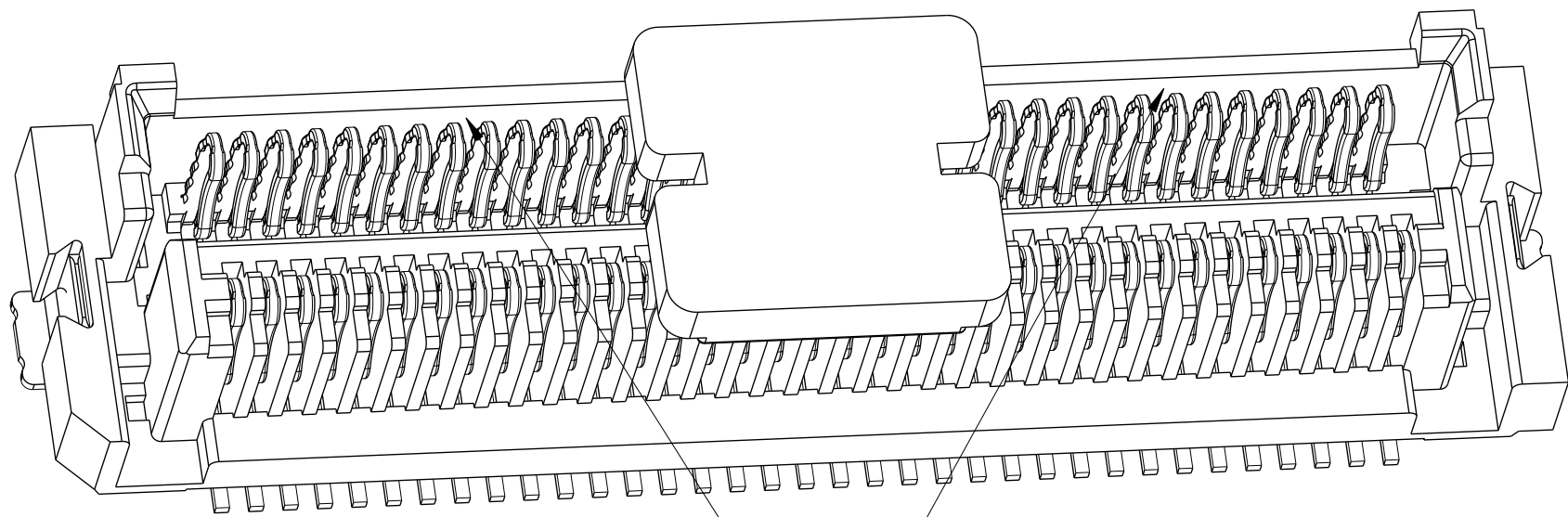
PRACTICAL CONNECTOR HEIGHT NOTE 8	
1	= 2.0MM
2	= 2.5MM
3	= 3.0MM
4	= 3.5MM

LEAD FREE INDICATOR

PACKAGING	
2	TAPE AND REEL WITH PICK-UP CAP
3	TAPE AND REEL W/O PICK-UP CAP

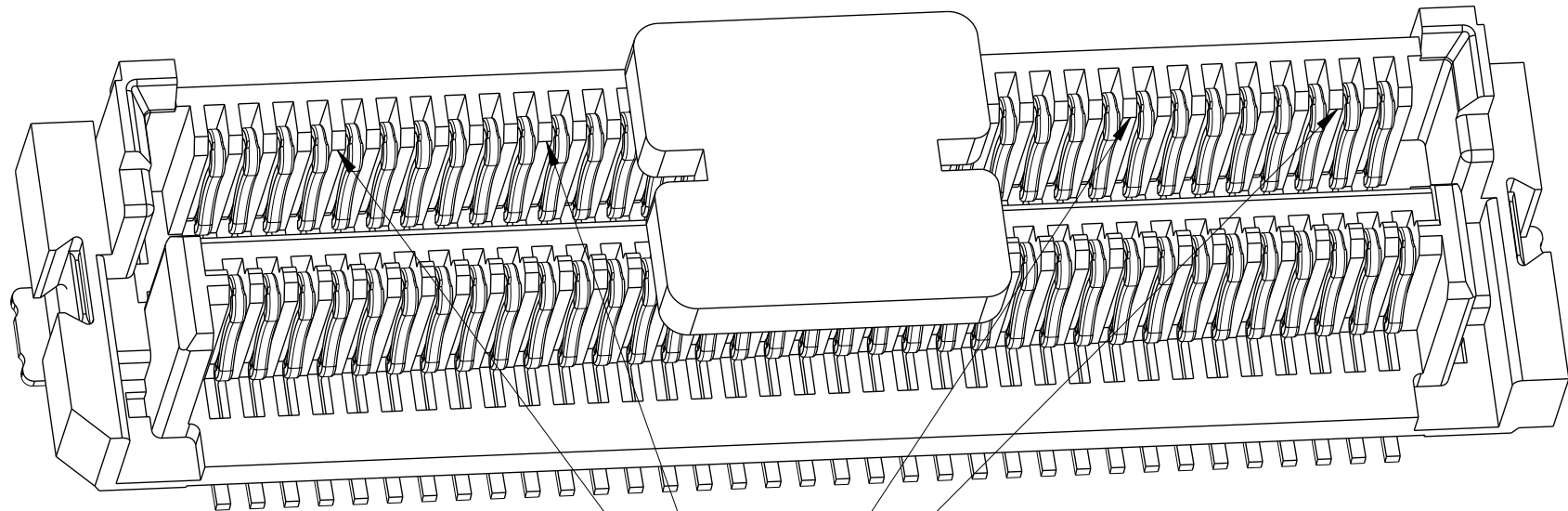
HOLD DOWN OPTION
1 = HOLD DOWNS

PEG OPTION
1 = PEGS



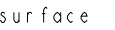
SCALE 10:1

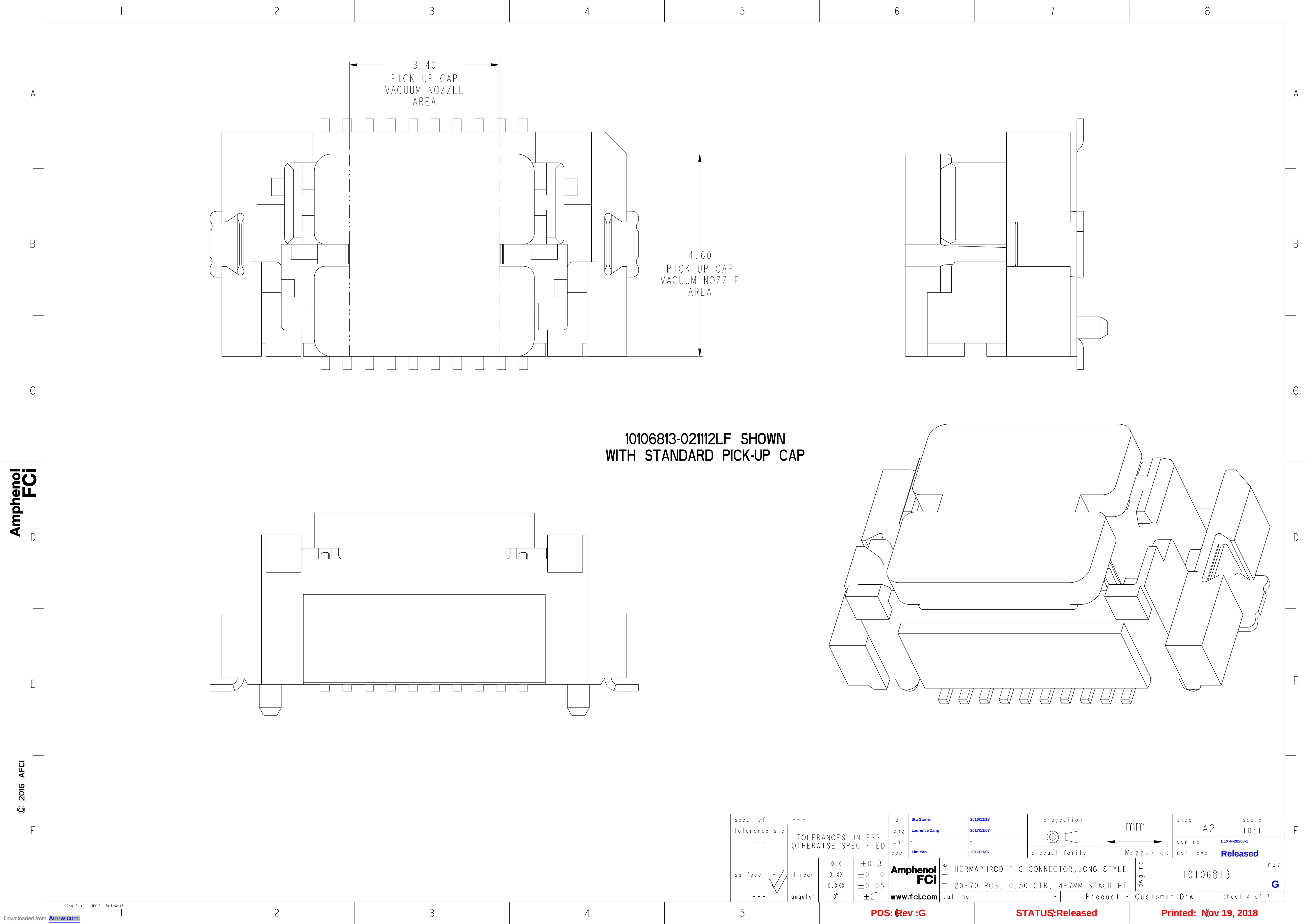
10106813-071112LF SHOWN
WITHOUT RIB ON HOUSING
WELL SIDE WALL



SCALE 10:1

10106813-171112LF SHOWN
WITH RIBS ON HOUSING
WELL SIDE WALL

spec ref ---		dr Stu Stoner		2010/11/18		projection		mm		size A2		scale 10:1	
tolerance std ---		eng Laurence Zang		2017/11/07						ecn no ELX-N-28306-1			
---		chr -		-						rel level Released			
---		appr Tim Yao		2017/11/07		product family		MezzoStak					
surface 	linear	0.X	±0.3	Amphenol FCI	title	HERMAPHRODITIC CONNECTOR, LONG STYLE 20-70 POS, 0.50 CTR, 4-7MM STACK HT				dwg no 10106813	rev G		
		0.XX	±0.10										
	---	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 3 of 7	



10106813-021112LF SHOWN
WITH STANDARD PICK-UP CAP

Amphenol
FCi

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spec ref		---		dr		Stu Stoner		2010/11/18		projection				size		A2		scale		10:1	
tolerance std				eng		Laurence Zang		2017/11/07						ecn no		ELX-N-28306-1					
---				chr		-		-						rel level		Released					
---				appr		Tim Yao		2017/11/07		product family		MezzoStak									
surface				linear		0.X		±0.3		Amphenol FCI		title		HERMAPHRODITIC CONNECTOR, LONG STYLE		dwg no		10106813		rev	
						0.XX		±0.10						20-70 POS, 0.50 CTR, 4-7MM STACK HT						G	
---				angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 4 of 7			

[illegible]

spec ref	---	dr	Stu Stoner	2010/11/18	projection		mm	size	A2	scale	10:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Laurence Zang	2017/11/07	product family			ecn no	ELX-N-28306-1		
---		chr	-	-				rel level	Released		
---		appr	Tim Yao	2017/11/07							
surface		linear	0.X	±0.3	Amphenol FCI	HERMAPHRODITIC CONNECTOR, LONG STYLE	dwg no	10106813	rev	G	
			0.XX	±0.10							
			0.XXX	±0.05							
---		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 6 of 7		

	1	2	3	4	5	6	7	8
A	NOTES 1 - MATERIAL: HOUSING - LCP, UL94-V0, COLOR: BLACK CONTACTS: CONTACT PLATING: SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-577. SOLDER TAILS: GOLD FLASH HOLD DOWNS: BRASS PLATED WITH 2.5um Sn OVER 1.27um UNDERPLATE. 2 - RECOMMENDED LEAD FREE SOLDER PASTE THICKNESS 150um. 3 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION INFRA RED OR VAPOR PHASE REFLOW OVEN. 4 - THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGUGULATION AS DESCRIBED IN GS-22-008 5 - PACKAGING TAPE AND REEL. PACKAGING SPECIFICATION GS-14-1320 6 - PRODUCT SPECIFICATION GS-12-577 7 - LEAD CO-PLANARITY TO BE 0.08MM MAX. 8 - PRACTICAL CONNECTOR HEIGHT AS SPECIFIED IN THE TABLE IS NOT THE DIMENSIONAL HEIGHT OF THE CONNECTOR BUT THE HEIGHT AS IT PERTAINS TO TOTAL STACK HEIGHT. AN EXAMPLE IS A CONNECTOR WITH A 2.5MM PRACTICAL CONNECTOR HEIGHT AND WHEN MATED TO ITSELF WILL RESULT IN A BOARD TO BOARD STACK HEIGHT OF 5MM. 9 - DISCRETE CONNECTOR HEIGHT AS SHOWN IN THE TABLE IS THE ACTUAL DIMENSIONAL CONNECTOR HEIGHT. ALSO SEE INFORMATION ON PRACTICAL HEIGHT IN NOTE 8. 10 - THE TOE HEIGHT OF THE SOLDER TAIL SHALL BE MEASURED FROM THE LOWEST POINT OF THE 0.08 COPLANRITY PLANE. THIS MEASUREMENT SHALL NOT EXCEED A WINDOW OF 0.00 TO 0.10MM. 11 - REFER TO IPC 7525-A FOR STENCIL CREATION							
B								
C								
D	Amphenol FCI							
E								
F	spec ref --- tolerance std --- --- surface ✓ --- linear 0.X ±0.3 0.XX ±0.10 0.XXX ±0.05 angular 0° ±2° Amphenol FCI www.fci.com dr Stu Stoner 2010/11/18 eng Laurence Zang 2017/11/07 chr - - appr Tim Yao 2017/11/07 projection mm size A2 scale 10:1 ecn no ELX-N-28306-1 product family MezzoStak rel level Released title HERMAPHRODITIC CONNECTOR, LONG STYLE 20-70 POS, 0.50 CTR, 4-7MM STACK HT cat. no. - Product - Customer Drw sheet 7 of 7 size 10106813 rev G							

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