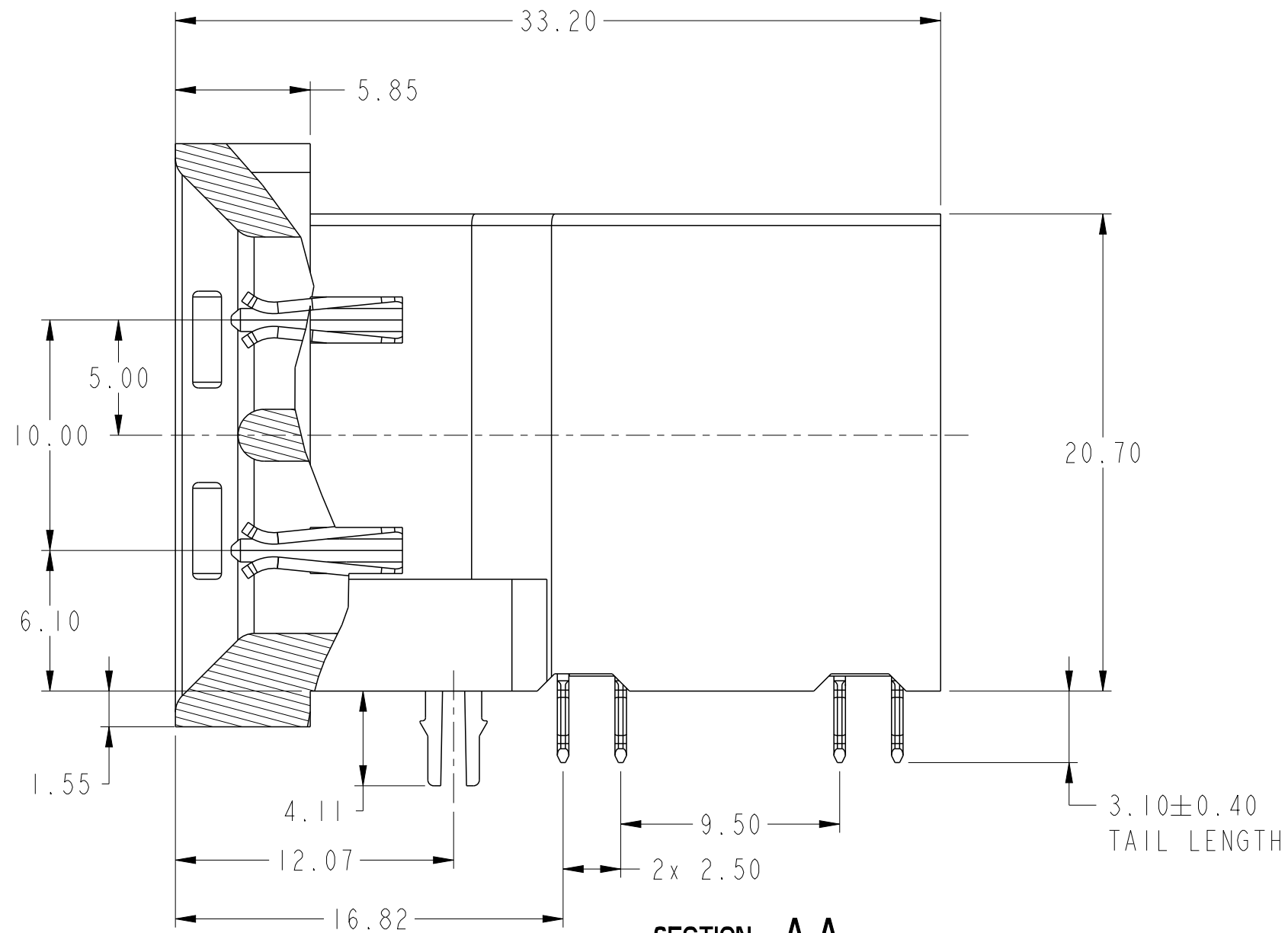
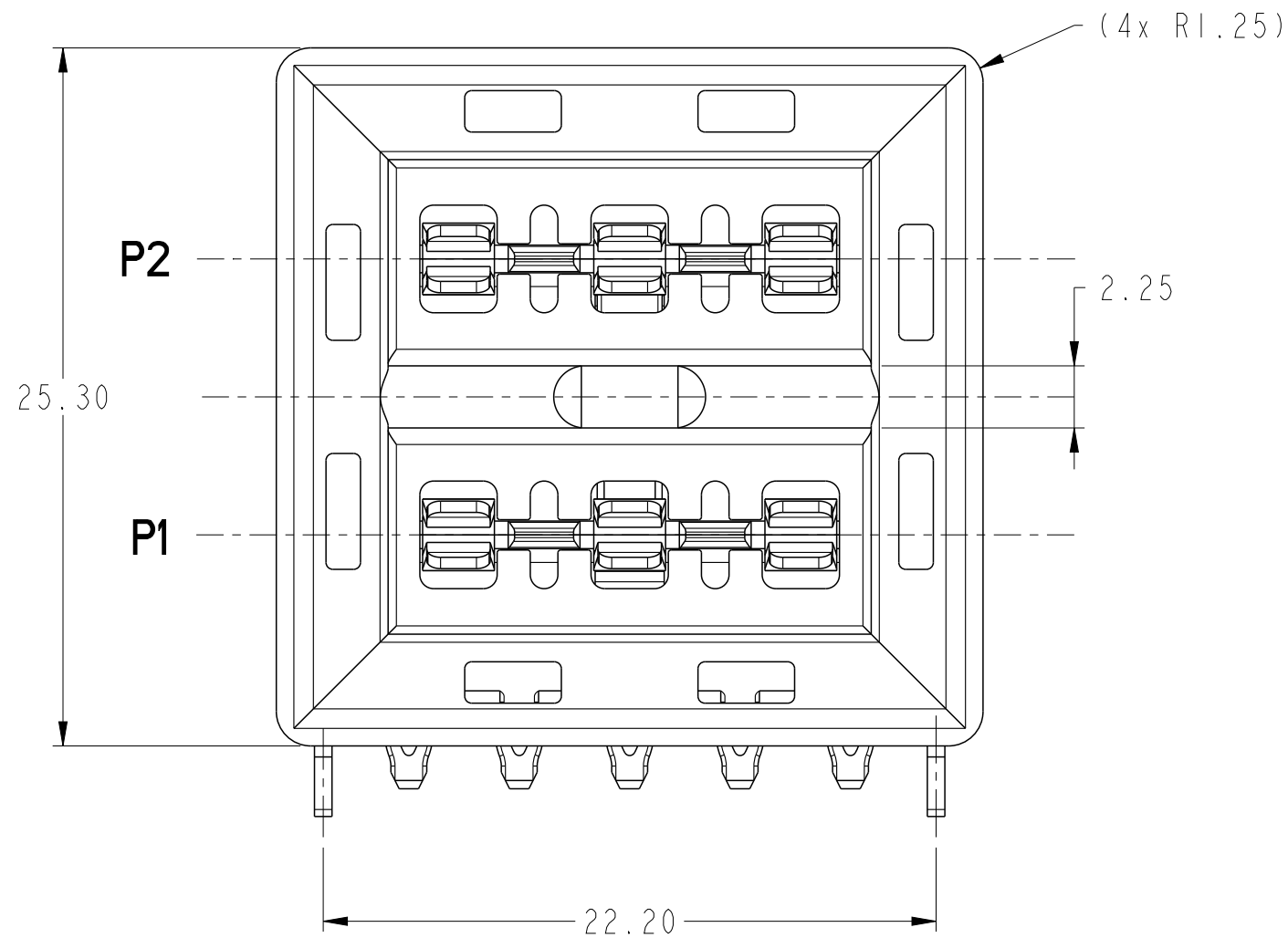
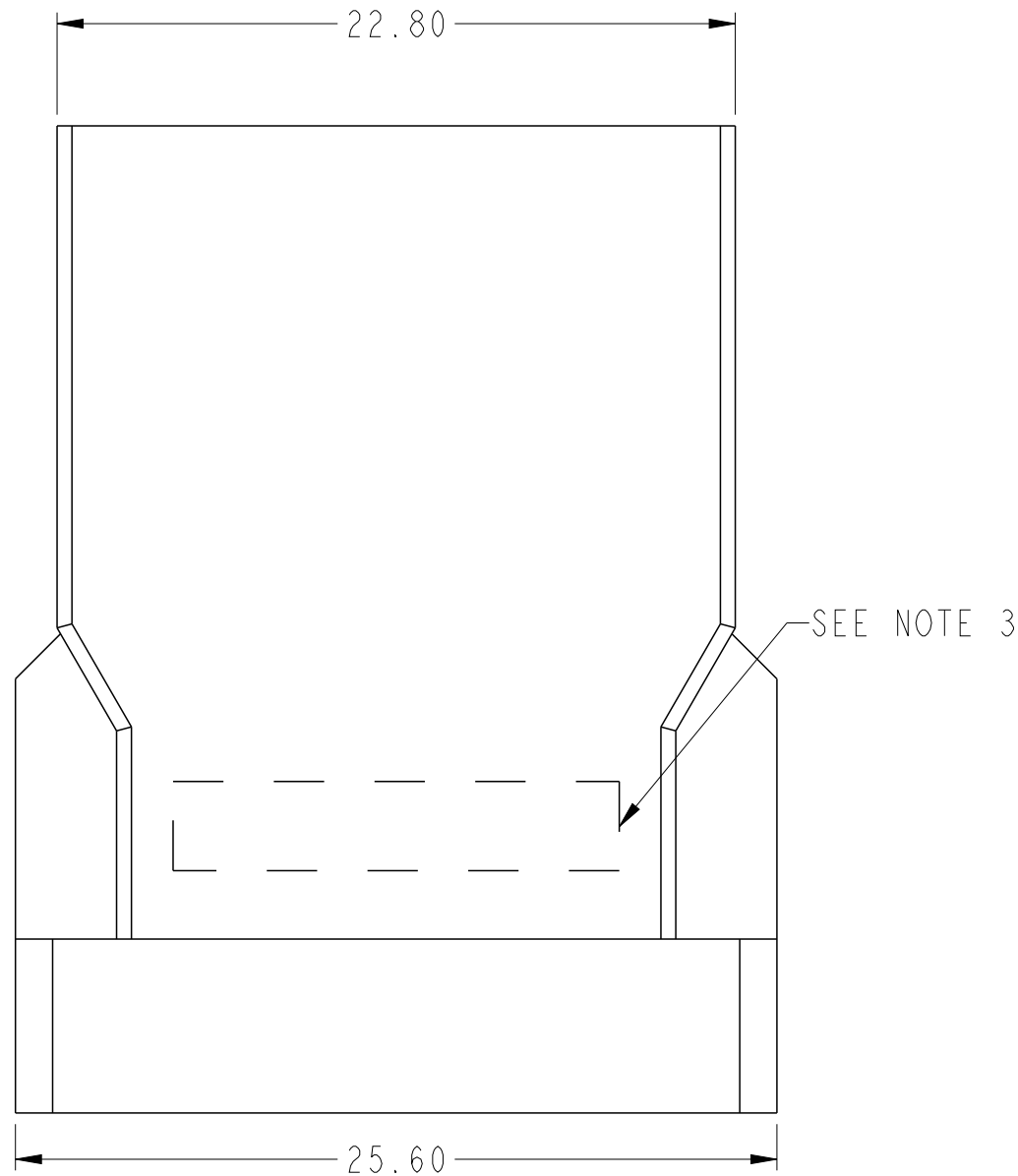


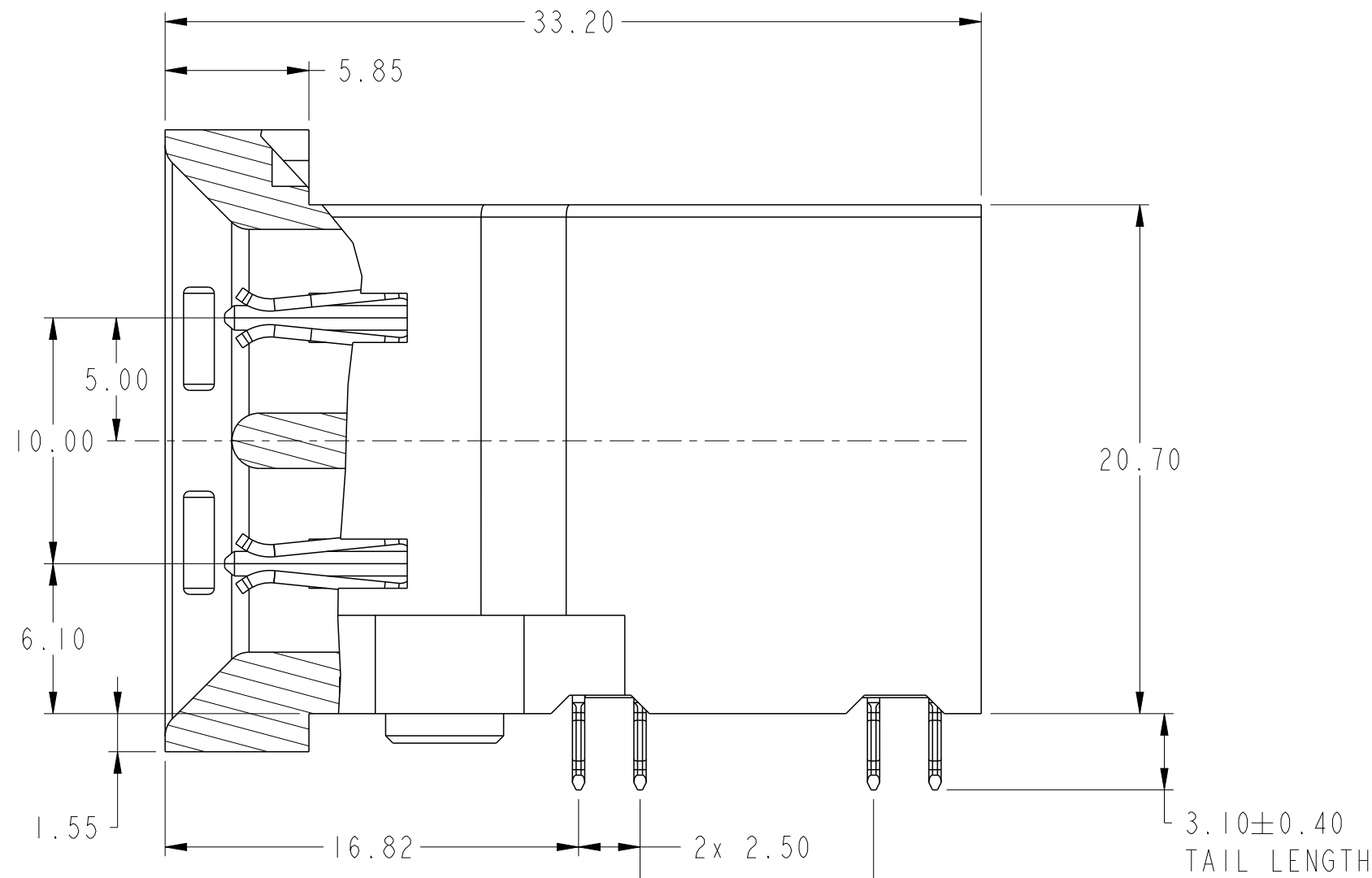
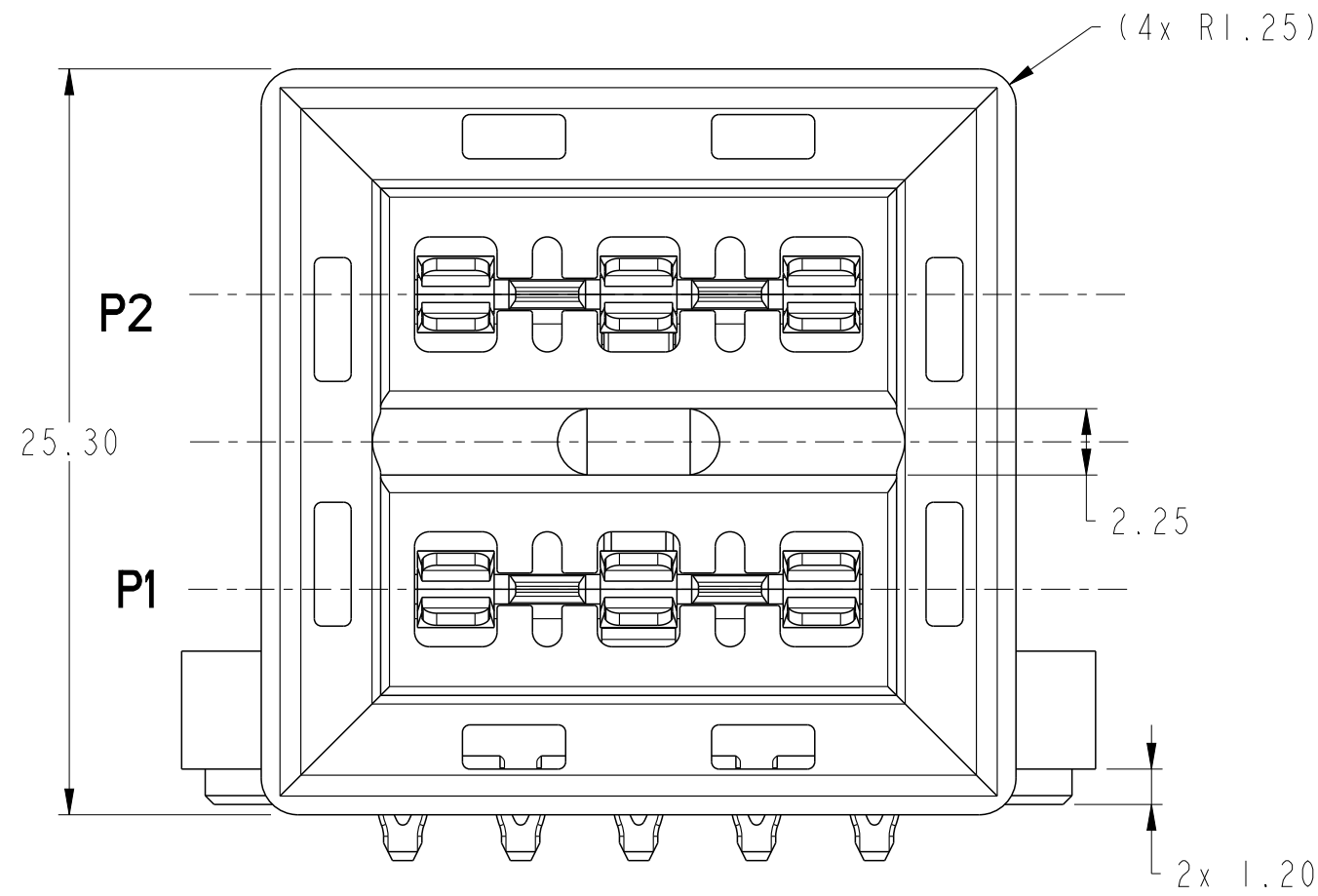
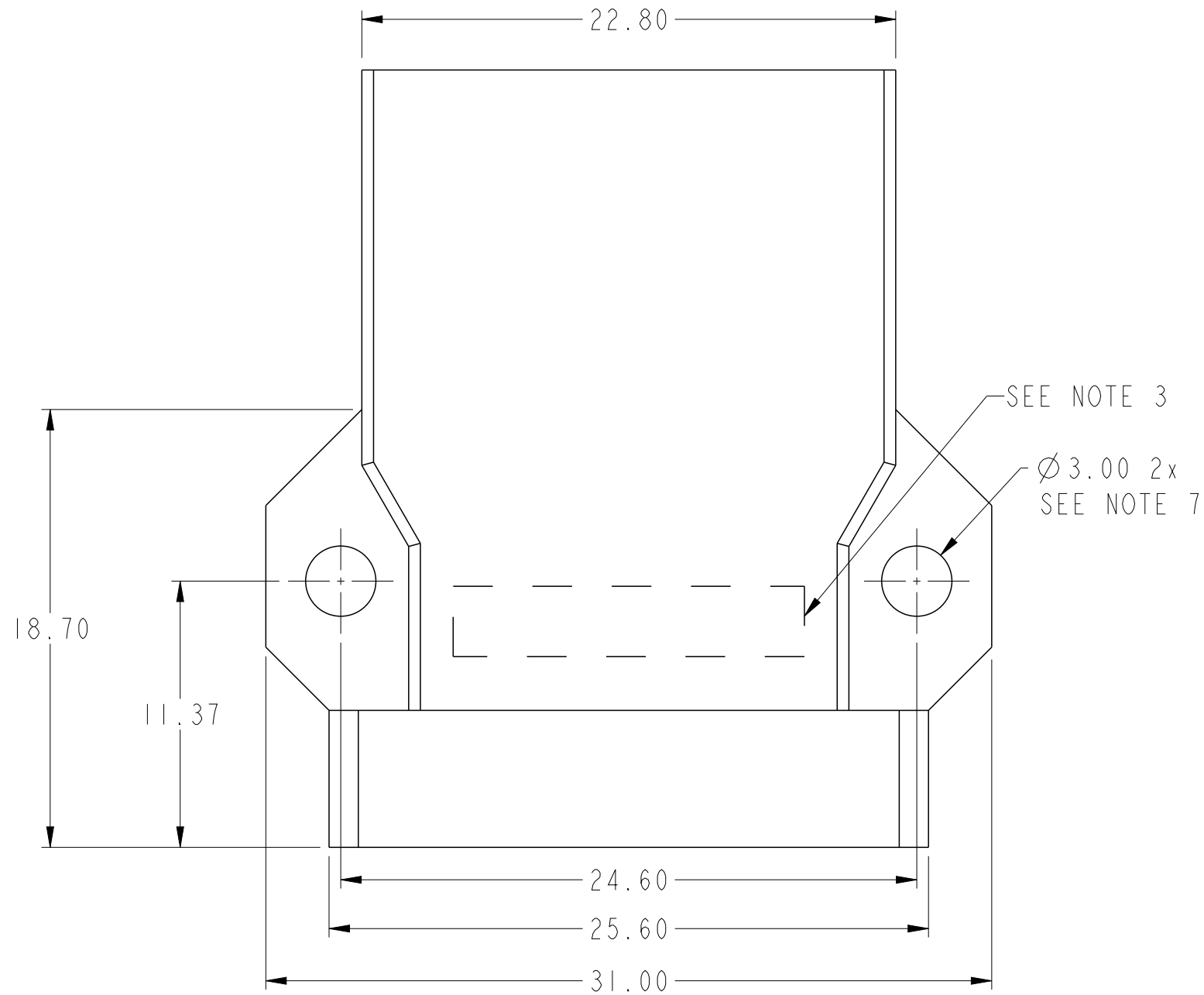
PART NO	DESCRIPTION
10132640-001LF	PCB METAL CLIP HOLD DOWN OPTION



SECTION A-A

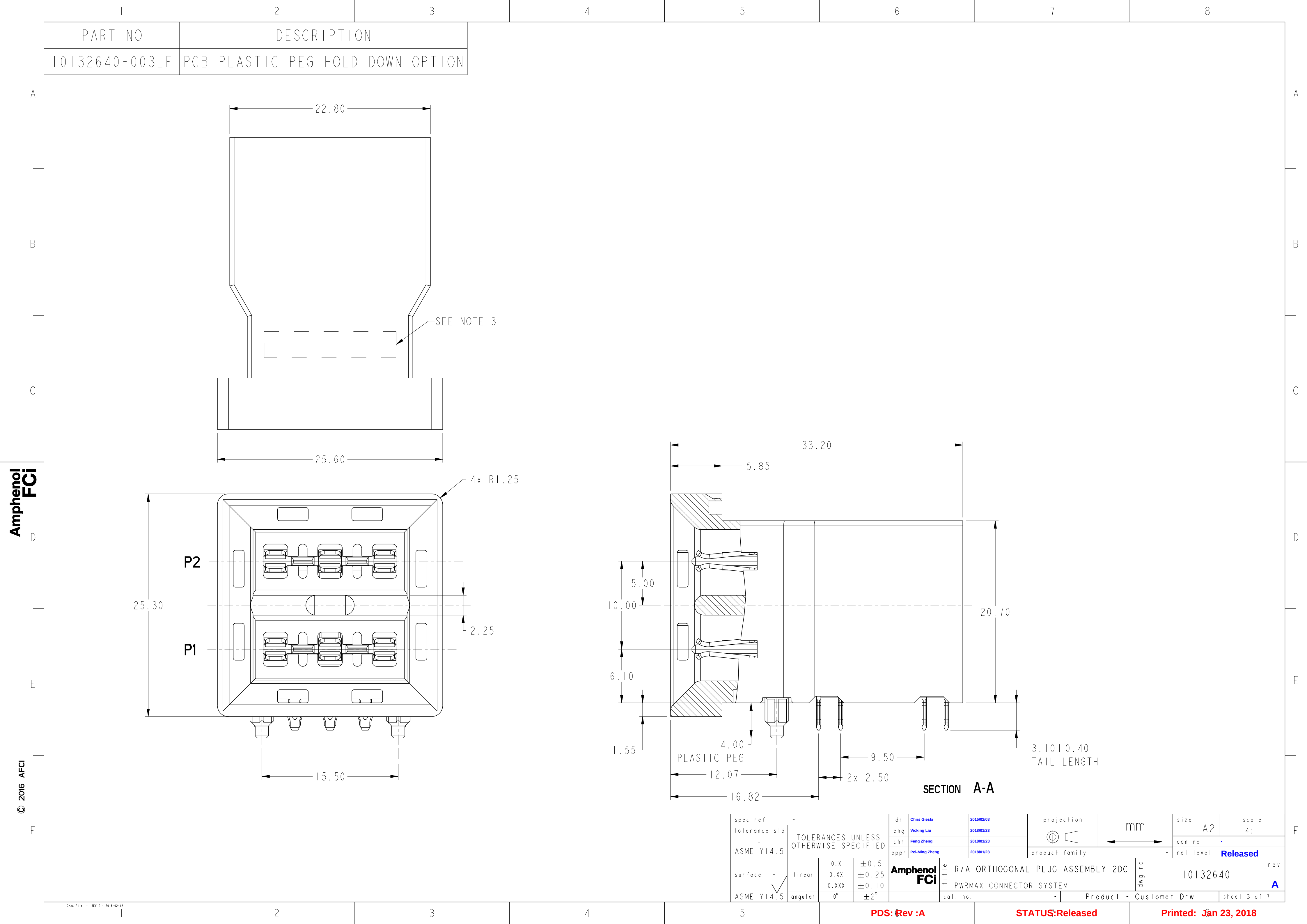
spec ref -		dr Chris Gieski		2015/02/03		projection		mm		size A2		scale 4:1			
tolerance std -		eng Vicki Liu		2018/01/23						ecn no -		rel level Released			
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr Feng Zheng										2018/01/23	
		appr Pei-Ming Zheng		2018/01/23										product family -	
surface -		linear		0.X ±0.5		Amphenol FCI		title R/A ORTHOGONAL PLUG ASSEMBLY 2DC		dwg no 10132640		rev A			
		0.XX ±0.25													
		0.XXX ±0.10													
ASME Y14.5		angular 0° ±2°		cat. no. -		Product - Customer Drw		sheet 1 of 7							

PART NO	DESCRIPTION
10132640-002LF	BUSBAR BOLT HOLD DOWN OPTION

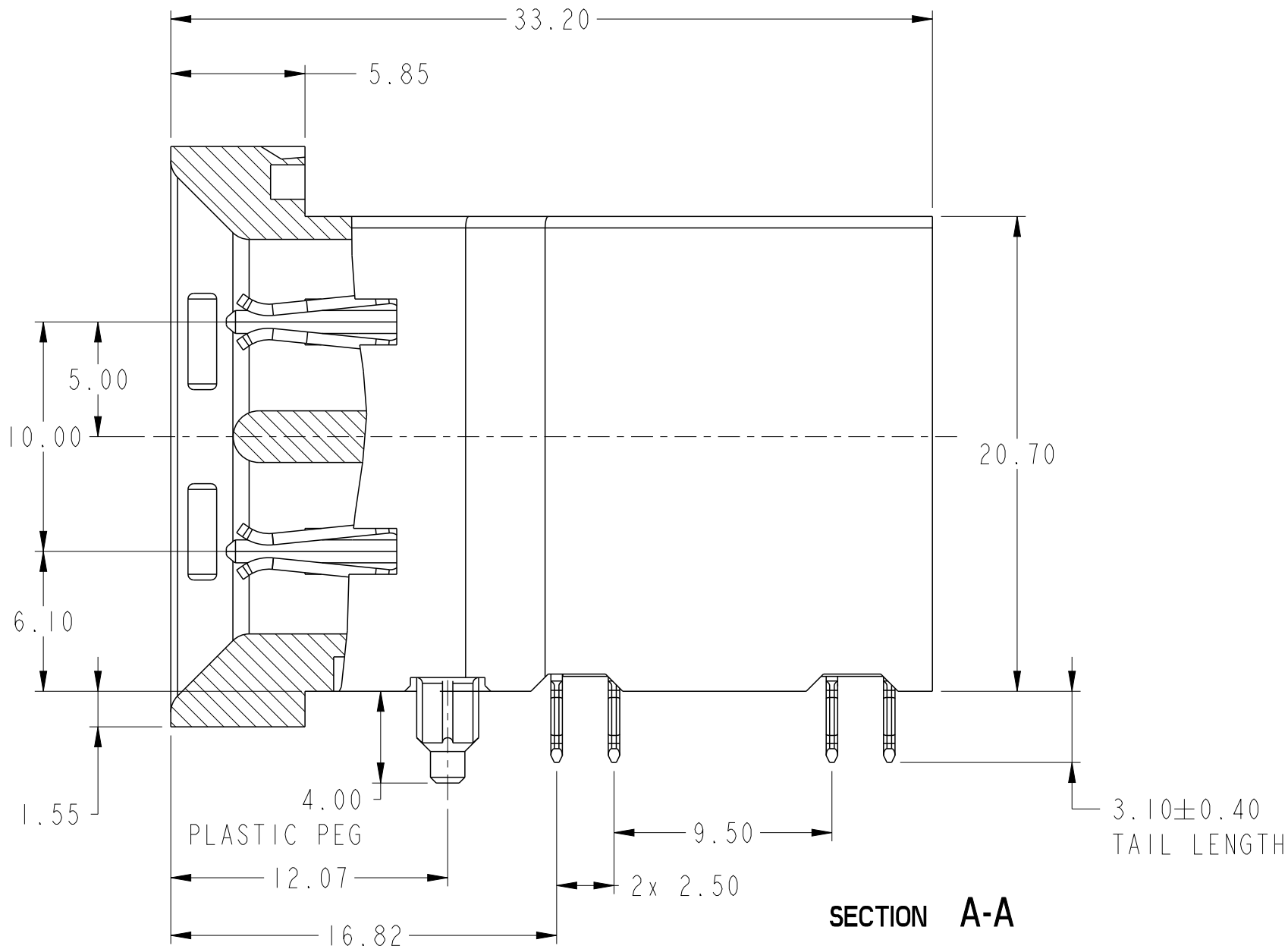
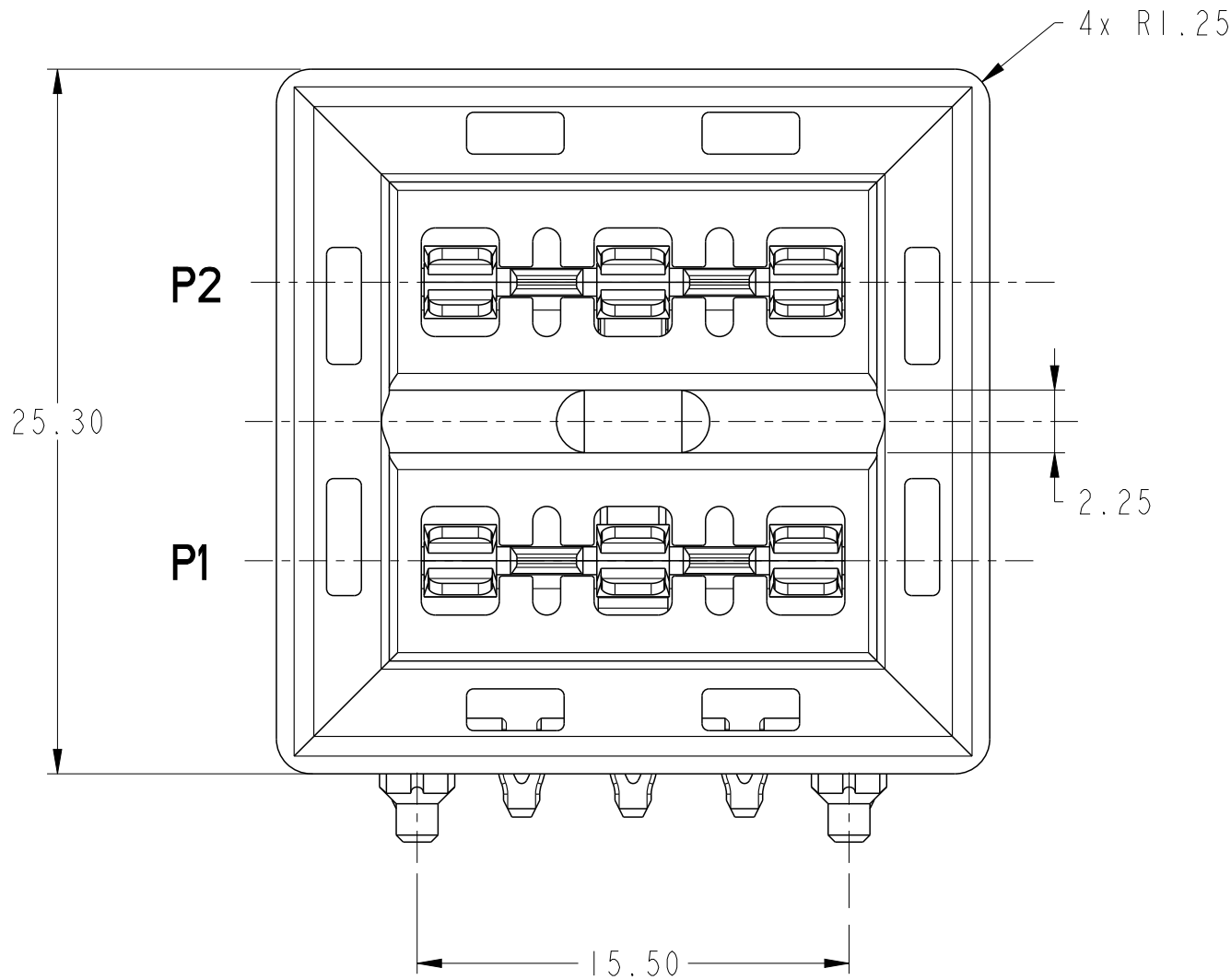
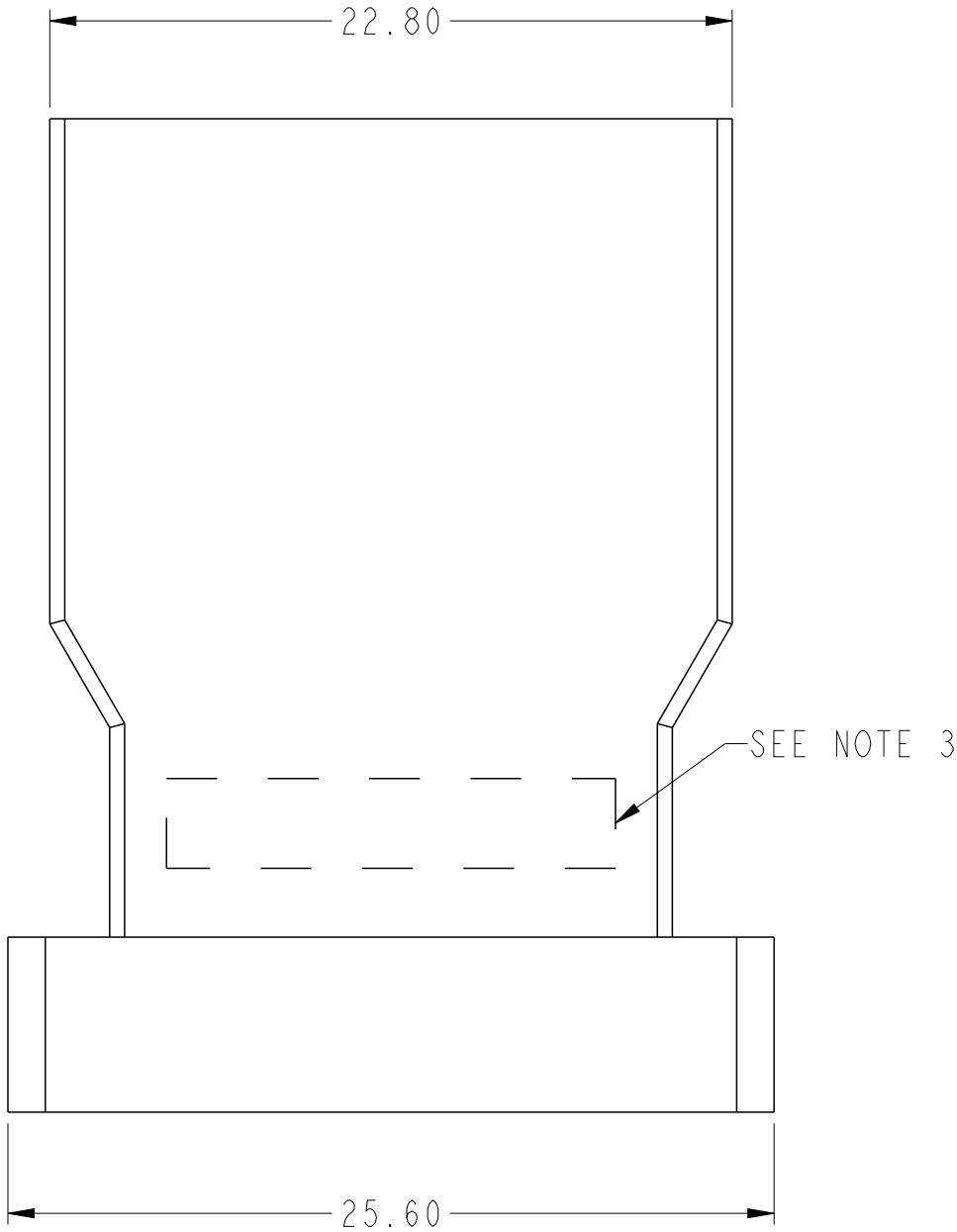


SECTION A-A

spec ref		-		dr	Chris Gieski	2015/02/03			size	A2	scale	2:1				
tolerance std		-		eng	Vicki Liu	2018/01/23			ecn no	-						
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Feng Zheng	2018/01/23				rel level	Released					
				appr	Pei-Ming Zheng	2018/01/23					product family					
surface			linear	0.X	±0.5	Amphenol FCi	title	R/A ORTHOGONAL PLUG ASSEMBLY 2DC				dwg no	10132640	rev	A	
				0.XX	±0.25			PWRMAX CONNECTOR SYSTEM								
ASME Y14.5			angular	0°	±0.10			cat. no.								
												Product - Customer Drw		sheet 2 of 7		



PART NO	DESCRIPTION
10132640-003LF	PCB PLASTIC PEG HOLD DOWN OPTION

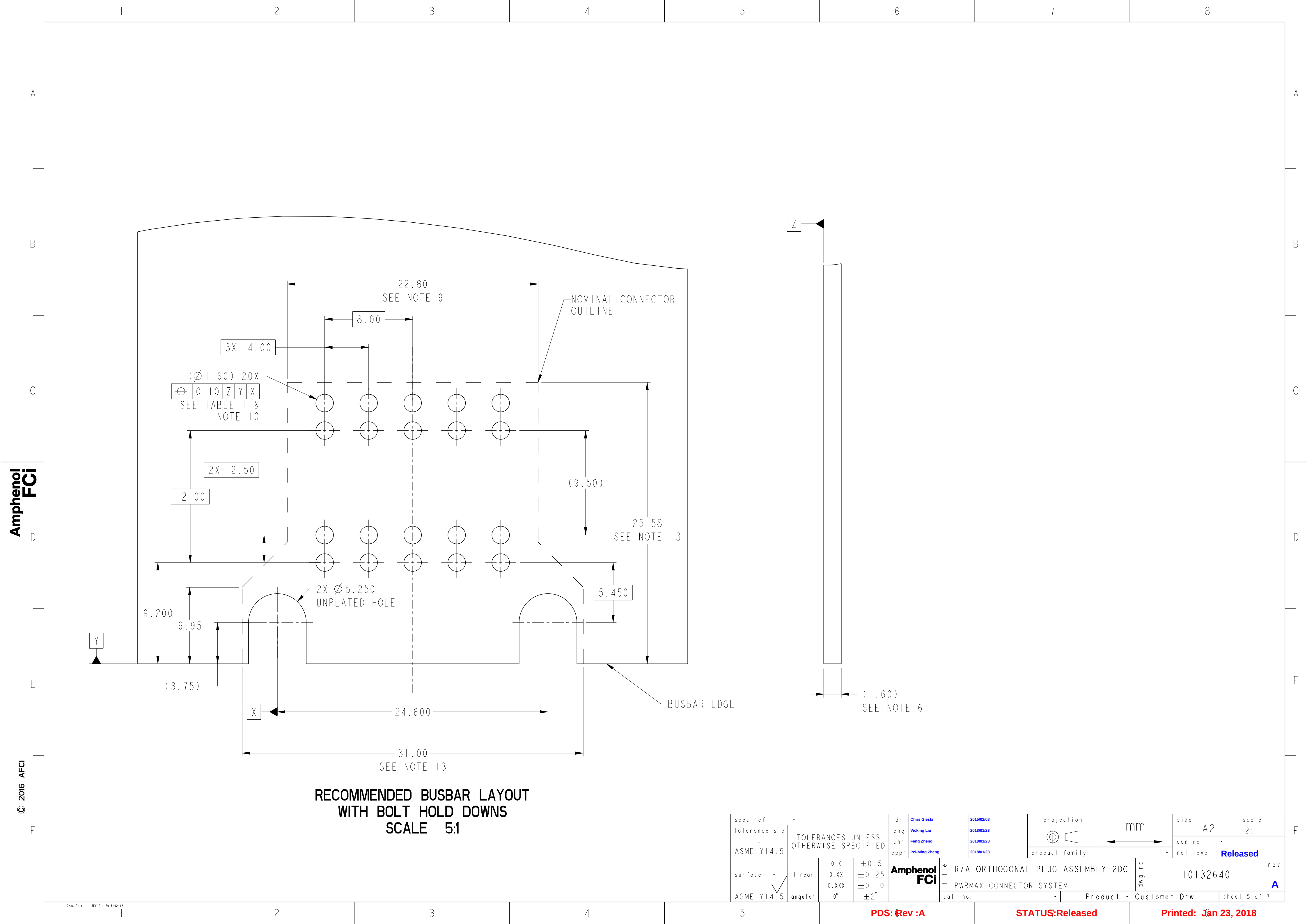


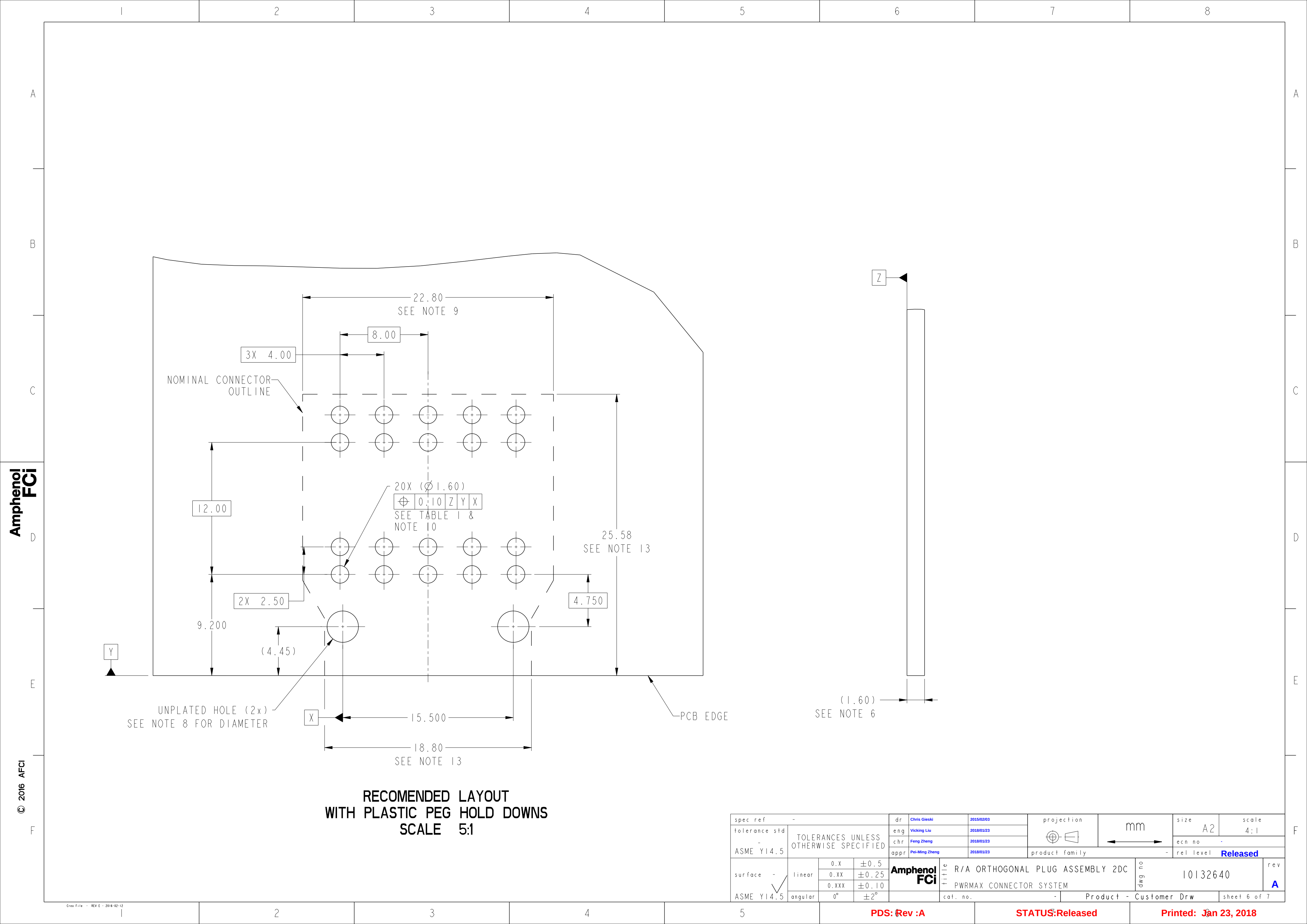
spec ref	-	dr	Chris Gieski	2015/02/03	projection	mm	size	A2	scale	4:1
tolerance std	-	eng	Vicking Liu	2018/01/23	product family	-	ecn no	-	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Feng Zheng	2018/01/23	cat. no.	-	Product - Customer Drw	sheet 3 of 7	rev	A
surface	-	appr	Pei-Ming Zheng	2018/01/23	Amphenol FCI	R/A ORTHOGONAL PLUG ASSEMBLY 2DC	dwg no	10132640	rev	A
ASME Y14.5	linear	0.X	±0.5	0.XX	±0.25	0.XXX	±0.10	angular	0°	±2°

TOP LAYER DESCRIPTION	TABLE 1 (PWRMAX ORTHOGONAL PLUG) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
IMMERSION TIN	1.68-1.73 (1.72 DRILL)	0.025 - 0.050	--	--	--	0.9 - 1.5um	--	1.500 - 1.650
IMMERSION SILVER	1.68-1.73 (1.72 DRILL)	0.025 - 0.050	--	--	--	--	0.15 - 0.65um	1.500 - 1.650
COPPER (SEE NOTE 9)	1.68-1.73 (1.72 DRILL)	0.025 - 0.050	--	--	--	--	--	1.500 - 1.650
GOLD	1.68-1.73 (1.72 DRILL)	0.025 - 0.050	--	0.003 - 0.007	FLASH UP TO 0.0002	--	--	1.500 - 1.650

TABLE 2 (PWRMAX OTHOGONAL PLUG) BUSBAR HOLE REQUIREMENTS	
DESCRIPTION	FINISHED HOLE DIAMETER
BUSBAR	1.600 ± 0.050

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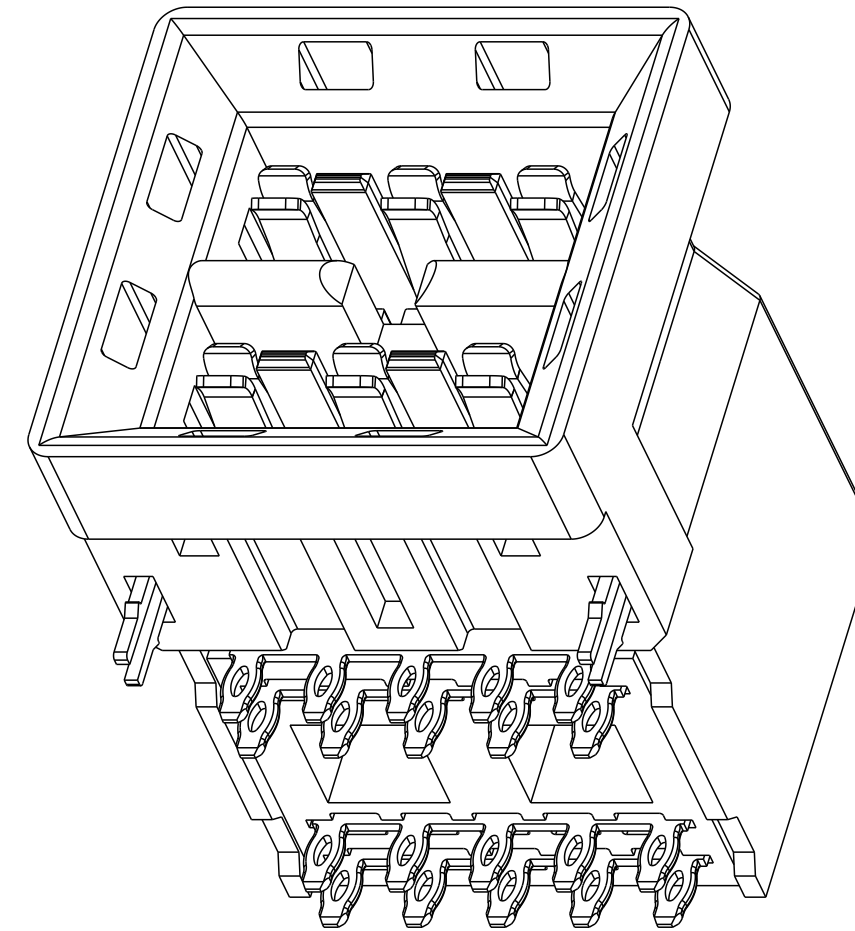
Amphenol
FCi

© 2016 APCI

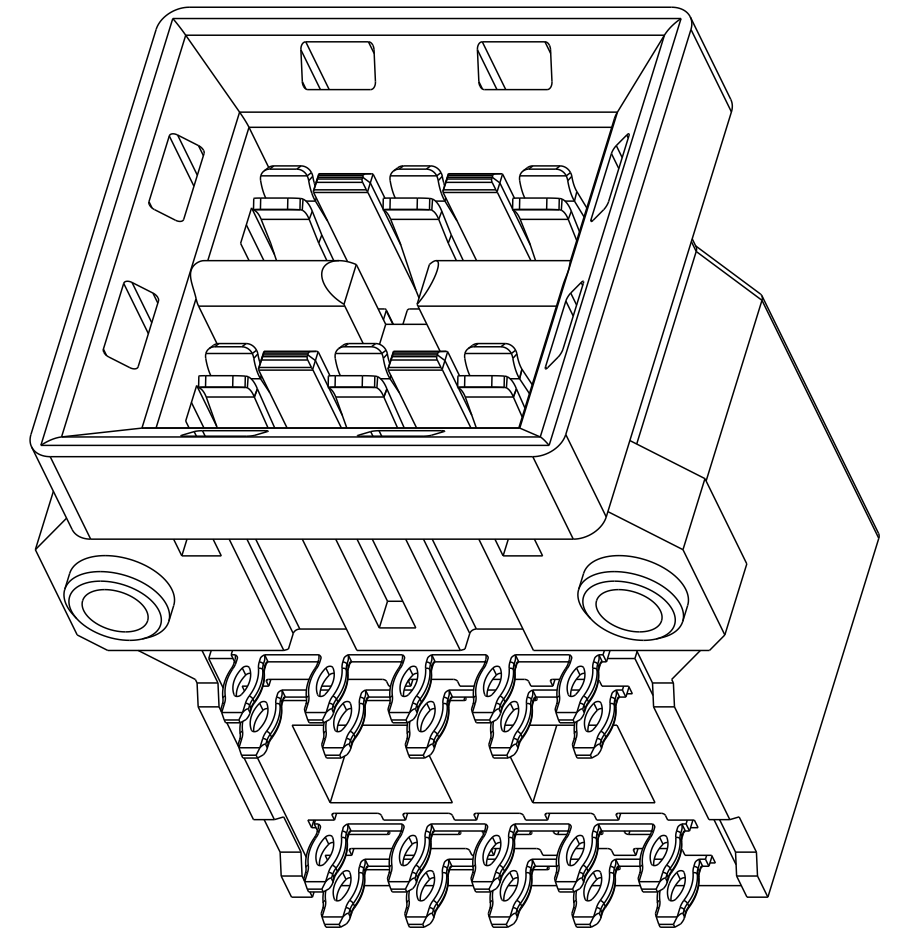
RECOMENDED LAYOUT
WITH PLASTIC PEG HOLD DOWNS
SCALE 5:1

spec ref -		dr Chris Gieski		2015/02/03		projection		mm		size A2		scale 4:1	
tolerance std -		eng Vicki Liu		2018/01/23						ecn no -		rel level Released	
ASME Y14.5		chr Feng Zheng		2018/01/23									
		appr Pei-Ming Zheng		2018/01/23		product family							
surface -		linear		0.X ±0.5		Amphenol FCI		title R/A ORTHOGONAL PLUG ASSEMBLY 2DC		dwg no 10132640		rev A	
		0.XX ±0.25											
ASME Y14.5 ✓		0.XXX ±0.10											
		angular 0° ±2°				cat. no. -		Product - Customer Drw		sheet 6 of 7			

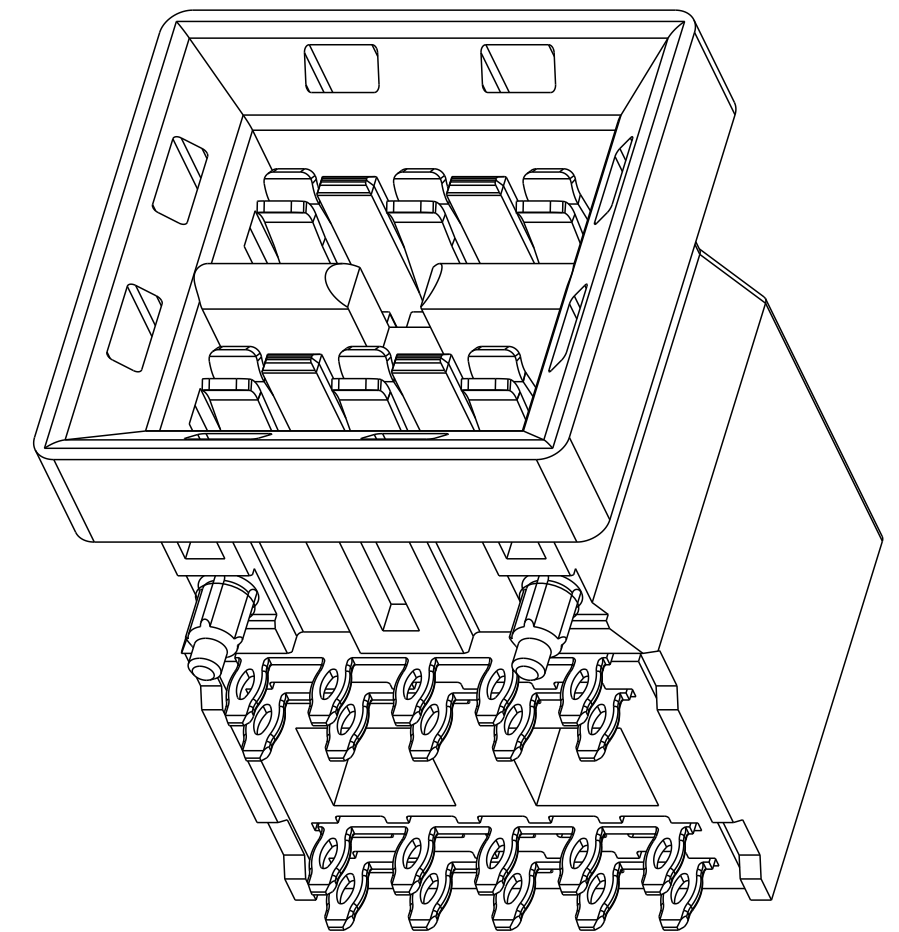
1	2	3	4
R/A ORTHOGONAL PLUG ASSEMBLY 2DC			
PRODUCT NUMBER	PLATING TYPE	DESCRIPTION	
10132640-001LF	GCS	PCB METAL CLIP HOLD DOWN OPTION	
10132640-002LF	GCS	BUSBAR BOLT HOLD DOWN OPTION	
10132640-003LF	GCS	PCB PLASTIC PEG HOLD DOWN OPTION	



10132640-001LF
SCALE 3:1



10132640-002LF
SCALE 3:1



10132640-003LF
SCALE 3:1

- NOTES:

- I. CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK
UL94 V-0 COMPLIANT
CONTACTS: COPPER ALLOY

2. PRODUCT SPECIFICATION: GS-12-1342.
APPLICATION SPECIFICATION: GS-20-0452.
PACKAGE IN TRAYS, PER SPECIFICATION: GS-14-2479.

3. PRODUCT MARK:
PART NUMBER AND DATE CODE TO BE MARKED ON THIS SURFACE.
THE MARK CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.

- 4.) MINIMAL NOMINAL BUSBAR & PCB THICKNESS: 1.60 mm

5. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.

- 6.) ALL HOLE SIZES ARE FINISHED HOLE SIZES UNLESS OTHERWISE NOTED.

- (7) USE STANDARD #4 X 40 UNC SCREW FOR MOUNTING HOLES IF APPLICABLE.

- ⑧. PLASTIC PEG MOUNTING HOLES ARE UNPLATED.
 $\varnothing 2.85 \pm 0.10$ FOR PRESS-FIT TAILS

- 9) CONNECTOR KEEP OUT ZONE.

10. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.

spec ref -		dr Chris Gieski		2015/02/03		projection		size A2		scale 4:1	
tolerance std -		eng Vicking Liu		2015/01/23				ecn no -		rel level Released	
ASME Y14.5		chr Feng Zheng		2015/01/23							
		appr Pei-Ming Zheng		2015/01/23		product family					
TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI		R/A ORTHOGONAL PLUG ASSEMBLY 2DC		dwg no 10132640		rev A			
linear											
0.X ±0.5											
0.XX ±0.25											
ASME Y14.5		angular		0° ±0.10		cat. no. -		Product -		Customer Drw	
		0° ±0.10		PWRMAX CONNECTOR SYSTEM						sheet 7 of 7	