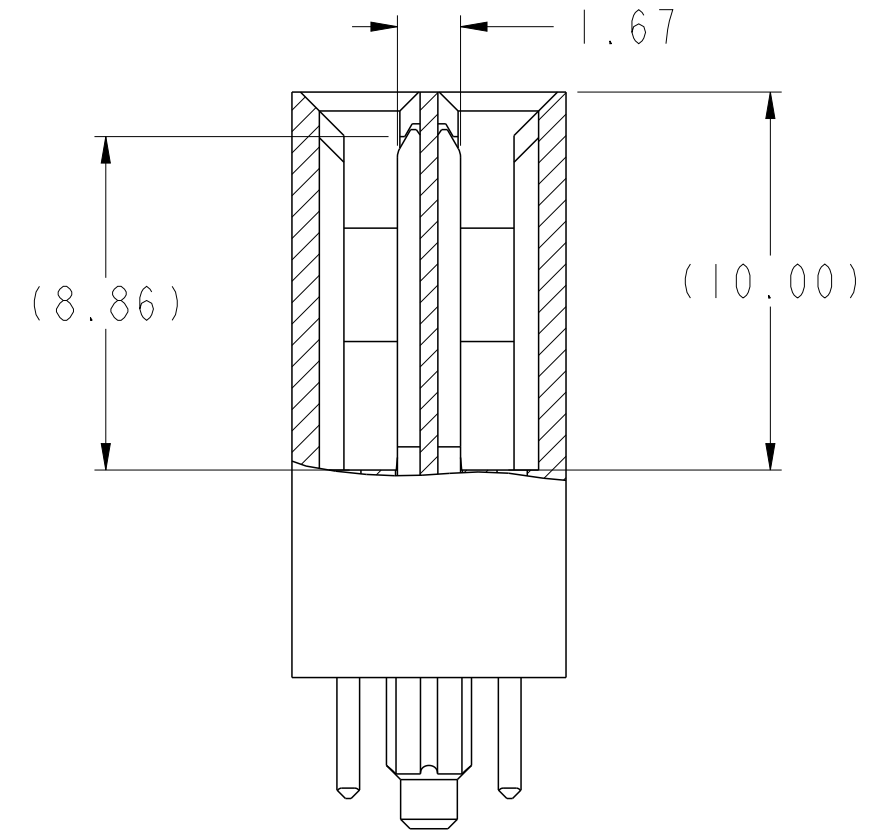
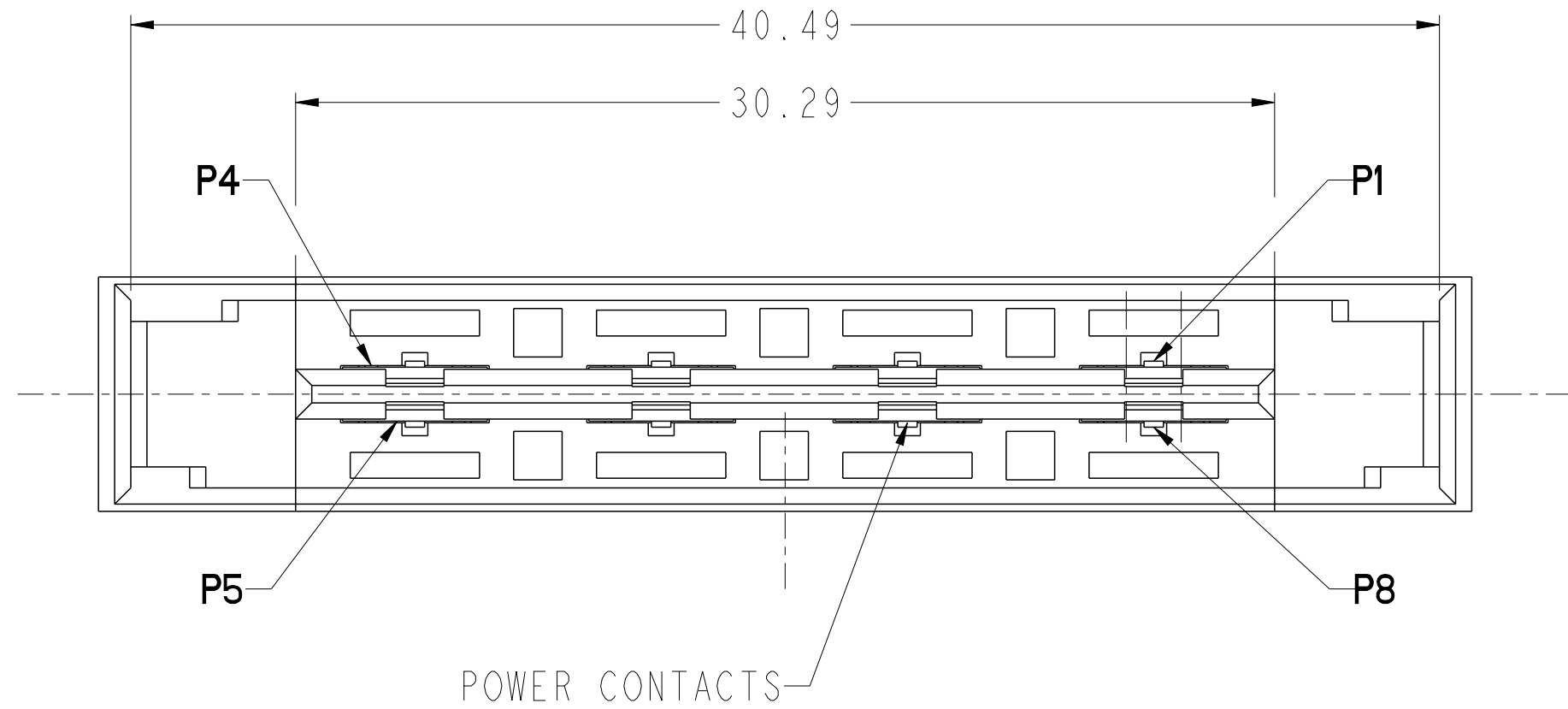
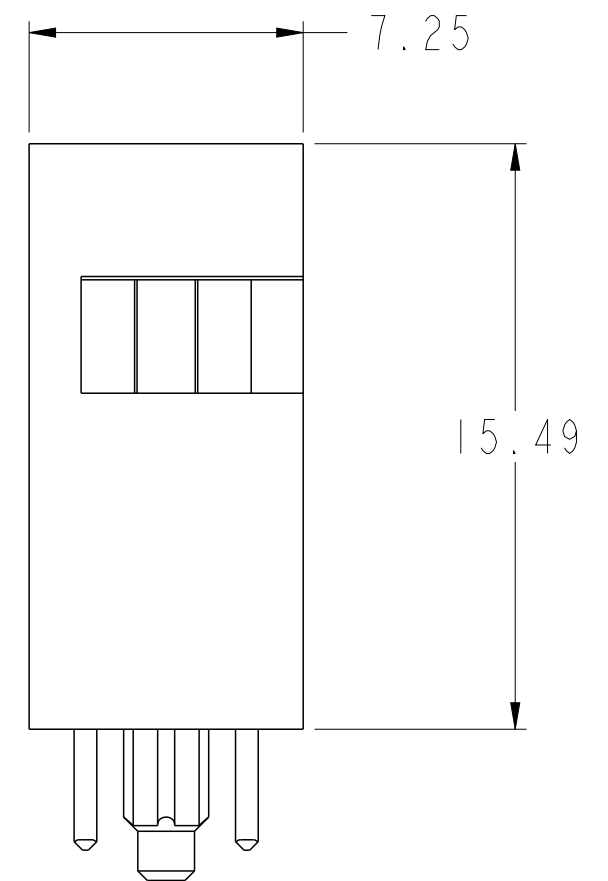
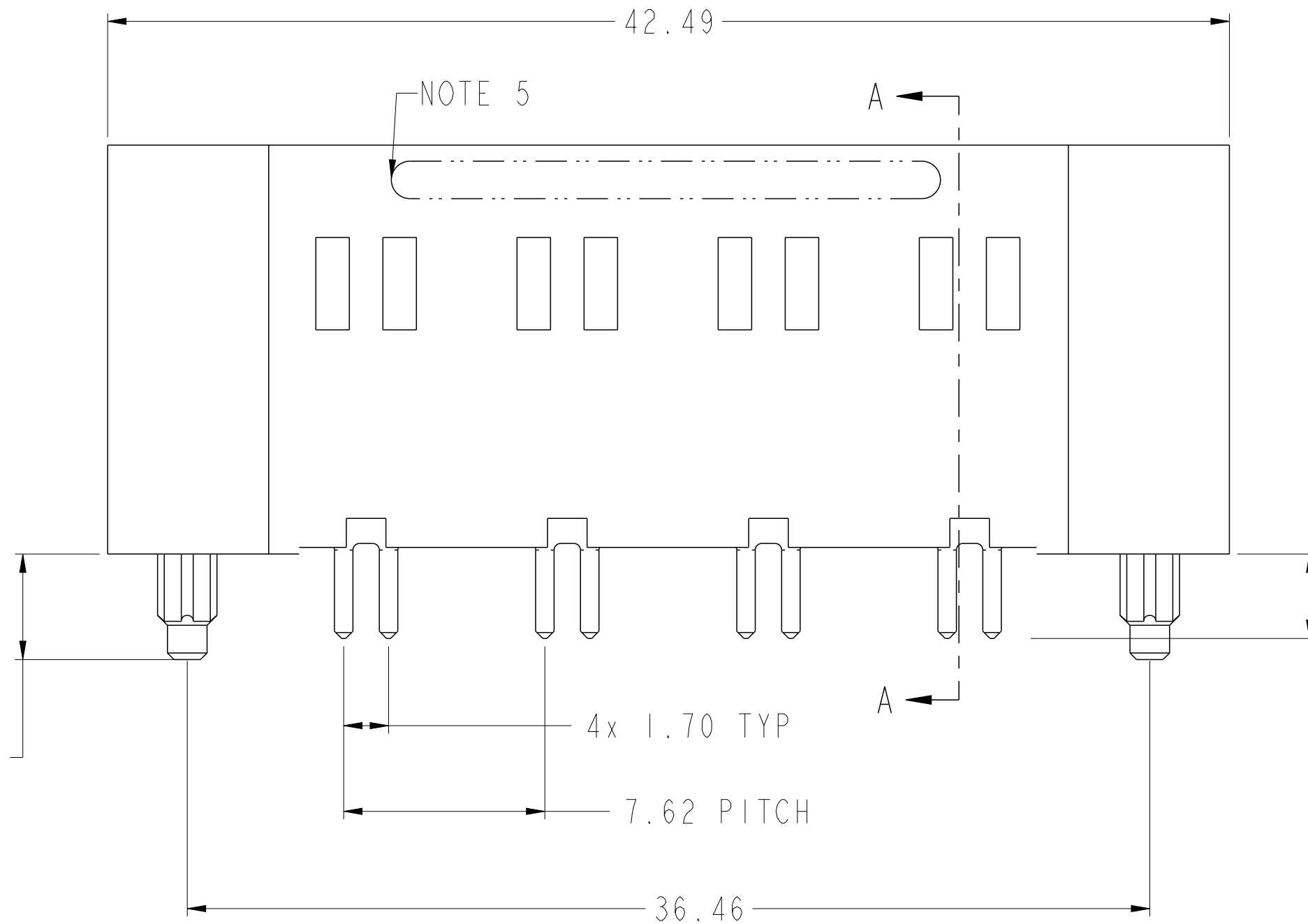


SOLDER TAIL TYPE DRAWING



SECTION A-A
SCALE 5:1



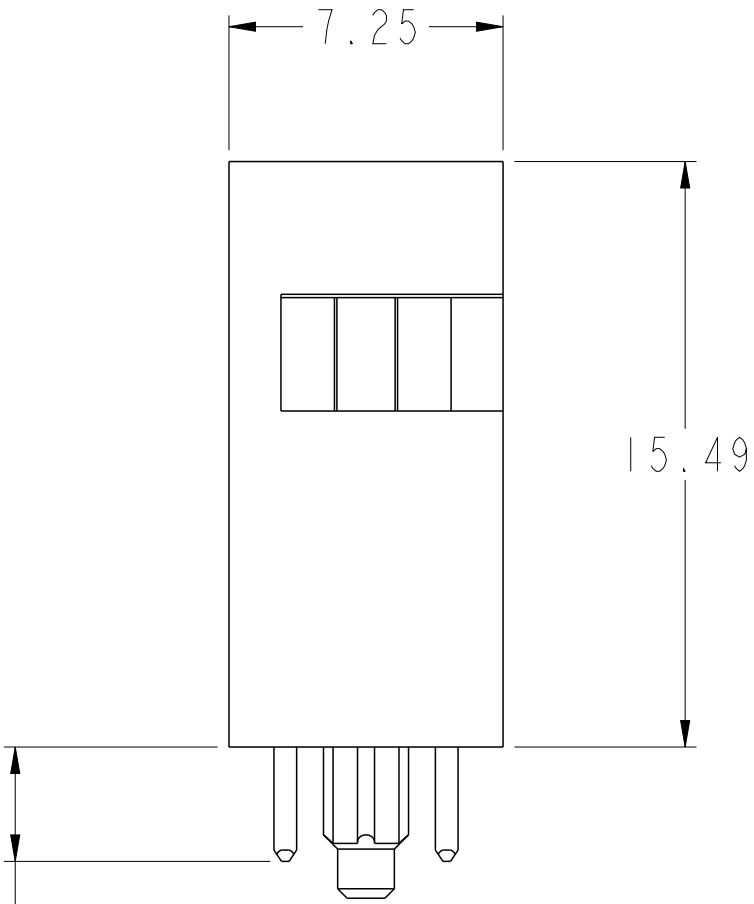
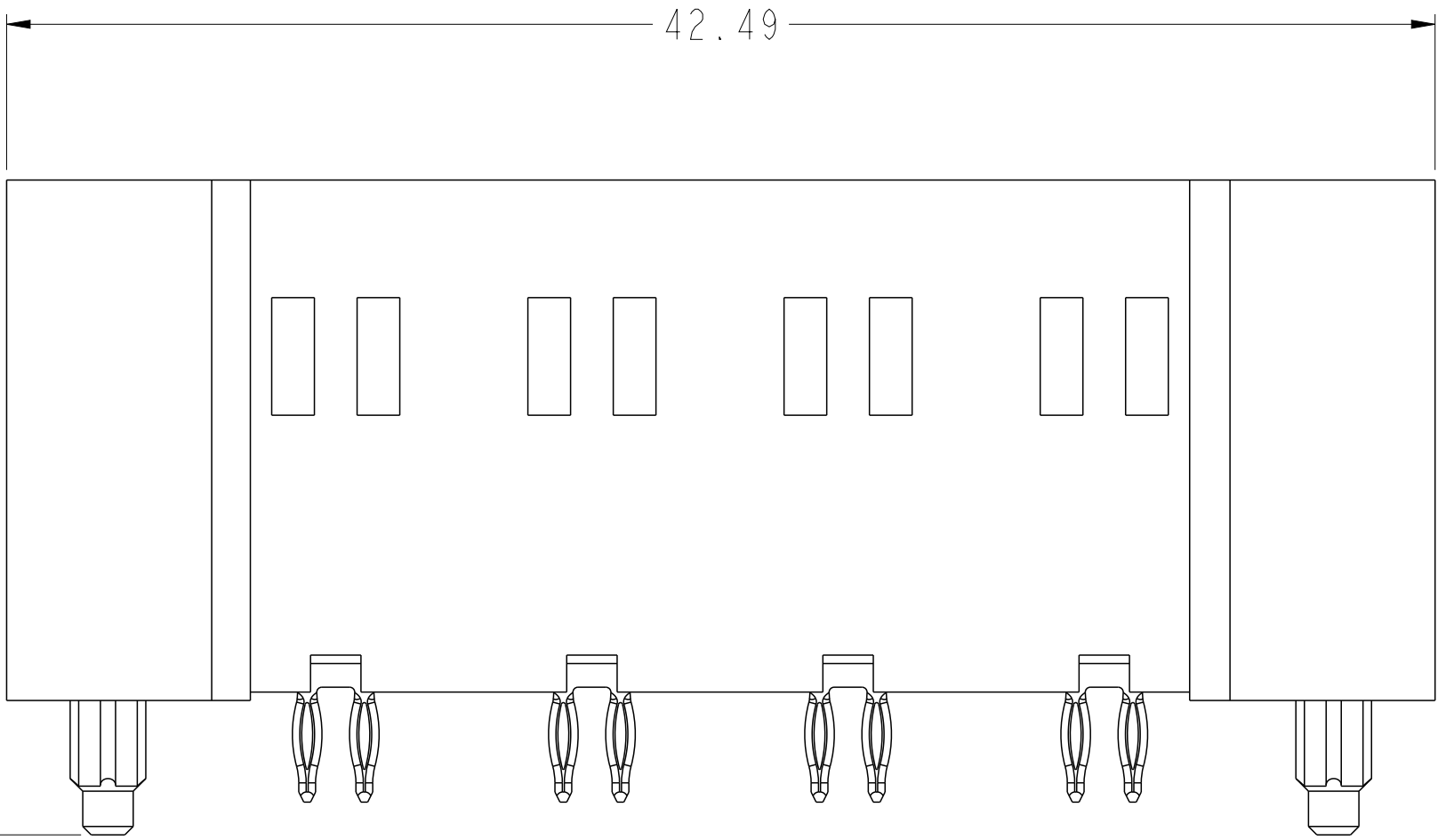
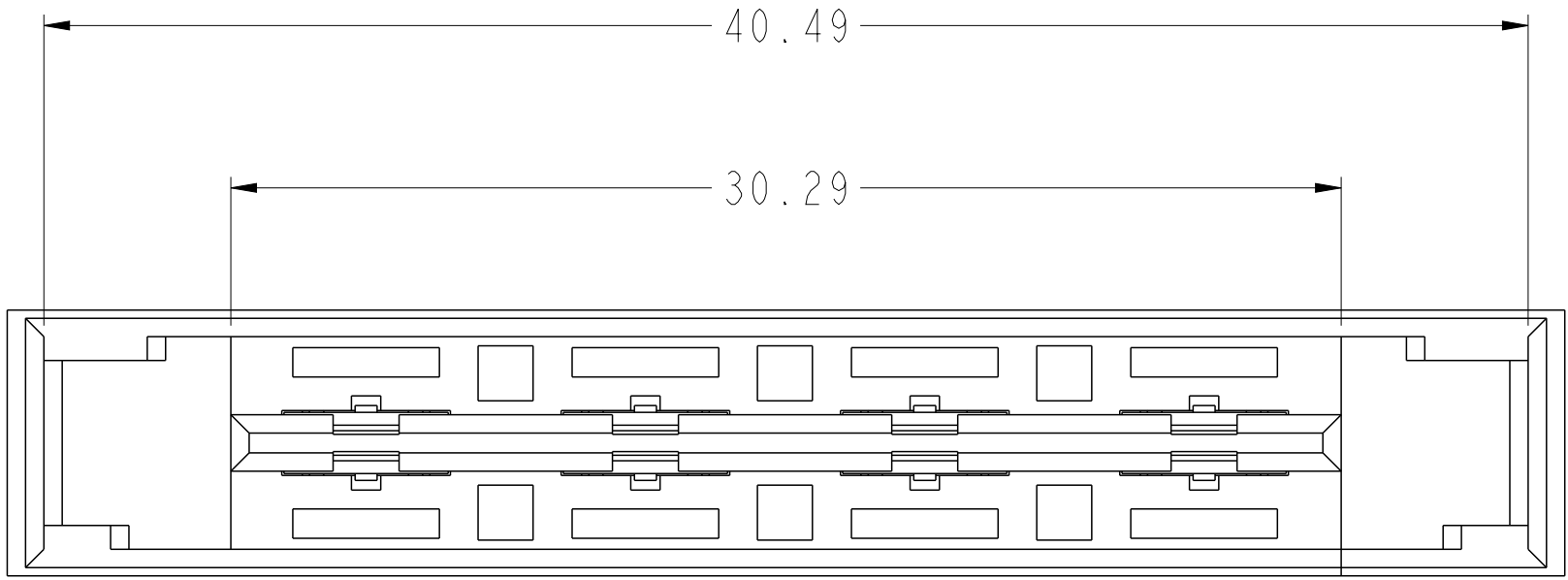
spec ref	-	dr	Hai-Ling Liu	2016/02/23	projection	mm	size	A2	scale	5:1
tolerance std	ASME Y14.5 ISO 1101	eng	Hai-Ling Liu	2016/03/01	chr	Terris Liu	2016/03/01	ecn no	-	
surface	ASME Y14.5	appr	Pei-Ming Zheng	2016/03/01	product family	-	rel level	Released		
linear	0.X ±0.50 0.XX ±0.25 0.XXX ±0.10	Amphenol FCI	HPCE CTB VT HEADER 4HP WITH LATCH	cat. no.	-	Product - Customer Drw	sheet 1 of 4	rev	A	
angular	0° ±2°									

PDS: Rev :A

STATUS:Released

Printed: Mar 01, 2016

PRESS FIT TAIL TYPE DRAWING



4.00
HOLD DOWN PEGS

DIM"A" TYP
TAIL LENGTH
(SEE TABLE)

ORTHER DIMMENSIONS ARE SAME AS PAGE 1(SOLDER TAIL TYPE)

spec ref	-	dr	Hai-Ling Liu	2016/02/23	projection	mm	size	A2	scale	5:1
tolerance std	ASME Y14.5 ISO 1101	eng	Hai-Ling Liu	2016/03/01	chr	Terris Liu	2016/03/01	ecn no	-	
		appr	Pei-Ming Zheng	2016/03/01	product family	-	rel level	Released		
surface	✓	linear	0.X	±0.50	Amphenol FCi	title	HPCE CTB VT HEADER	dwg no	10138796	rev
			0.XX	±0.25			4HP WITH LATCH			A
			0.XXX	±0.10						
ASME Y14.5	angular	0°	±2°		cat. no.	-	Product - Customer Drw	sheet 2 of 4		

A

B

C

D

E

F

A

B

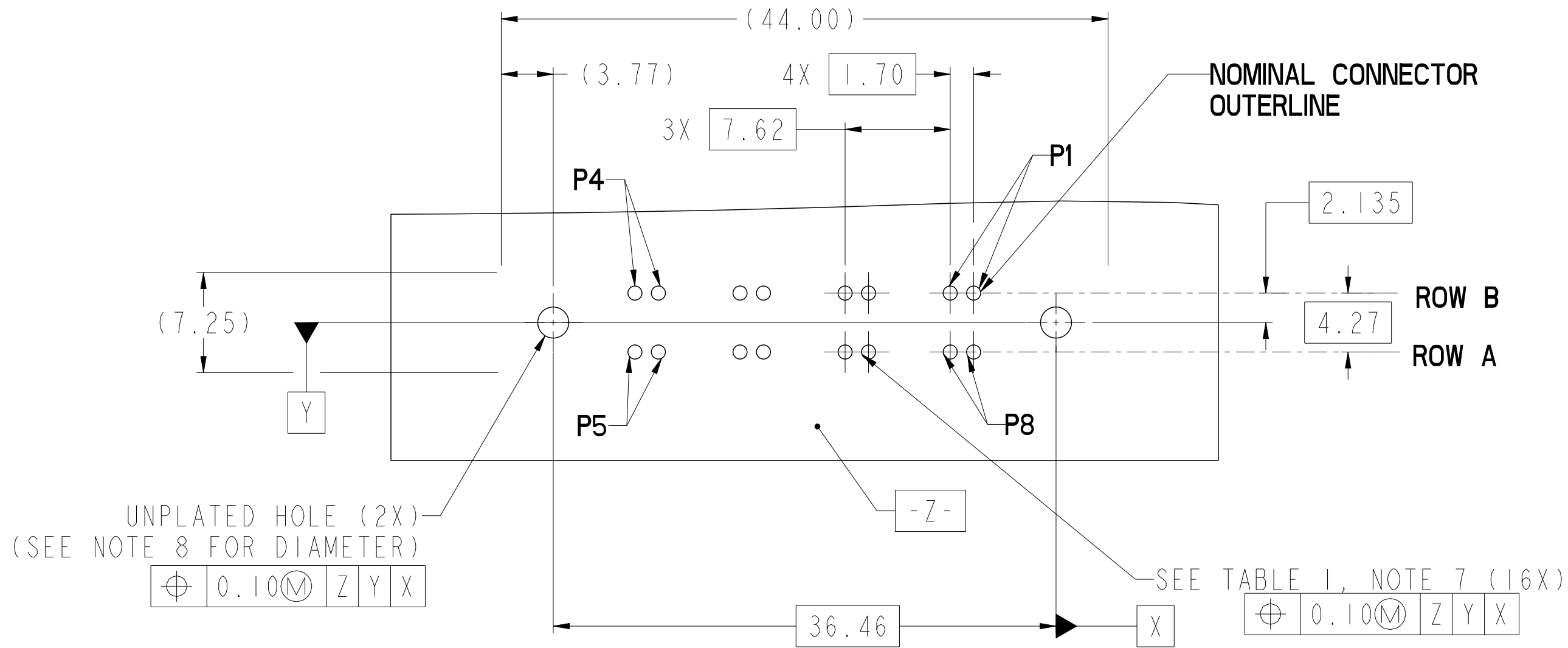
C

D

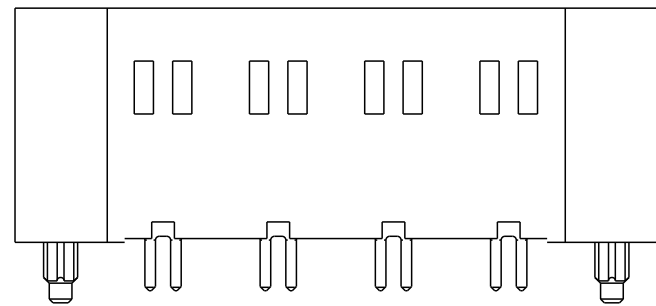
E

F

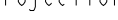
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / PRESS FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER	TIN-LEAD	8.10-8.60 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION TIN	8.10-8.60 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80
	COPPER (SEE NOTE 8)	8.10-8.60 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



RECOMMENDED PCB LAYOUT
VIEW FROM CONNECTOR SIDE



SCALE 2:1

spec ref		-		dr		Hai-Ling Liu		2016/02/21		projection		mm		size		A2		scale		3:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Hai-Ling Liu		2016/03/01						ecn no		-		rel level		Released			
ASME Y14.5				chr		Terris Liu		2016/03/01															
ISO 1101				appr		Pei-Ming Zheng		2016/03/01															
										product family		-											
surface		✓		linear		0.X		±0.50		Amphenol FCi		title		HPCE CTB VT HEADER 4HP WITH LATCH		dwg no		10138796		rev		A	
				0.XX		±0.25																	
				0.XXX		±0.10																	
ASME Y14.5				angular		0°		±2°						cat. no.		-		Product - Customer Drw		sheet 3 of 4			

PRODUCT PART NUMBER

10138796-□□□□LF

BASE PART NUMBER

CONTACT AREA PLATING
UNDERPLATED 50u"(1.27um) MIN. NICKEL
1: 100u"(2.5um) MIN. Ag
2: 30u"(0.760um) MIN. GXT

FIRST MATE LAST BREAK PIN POSITION
000: ALL PINS ARE LONG PINS

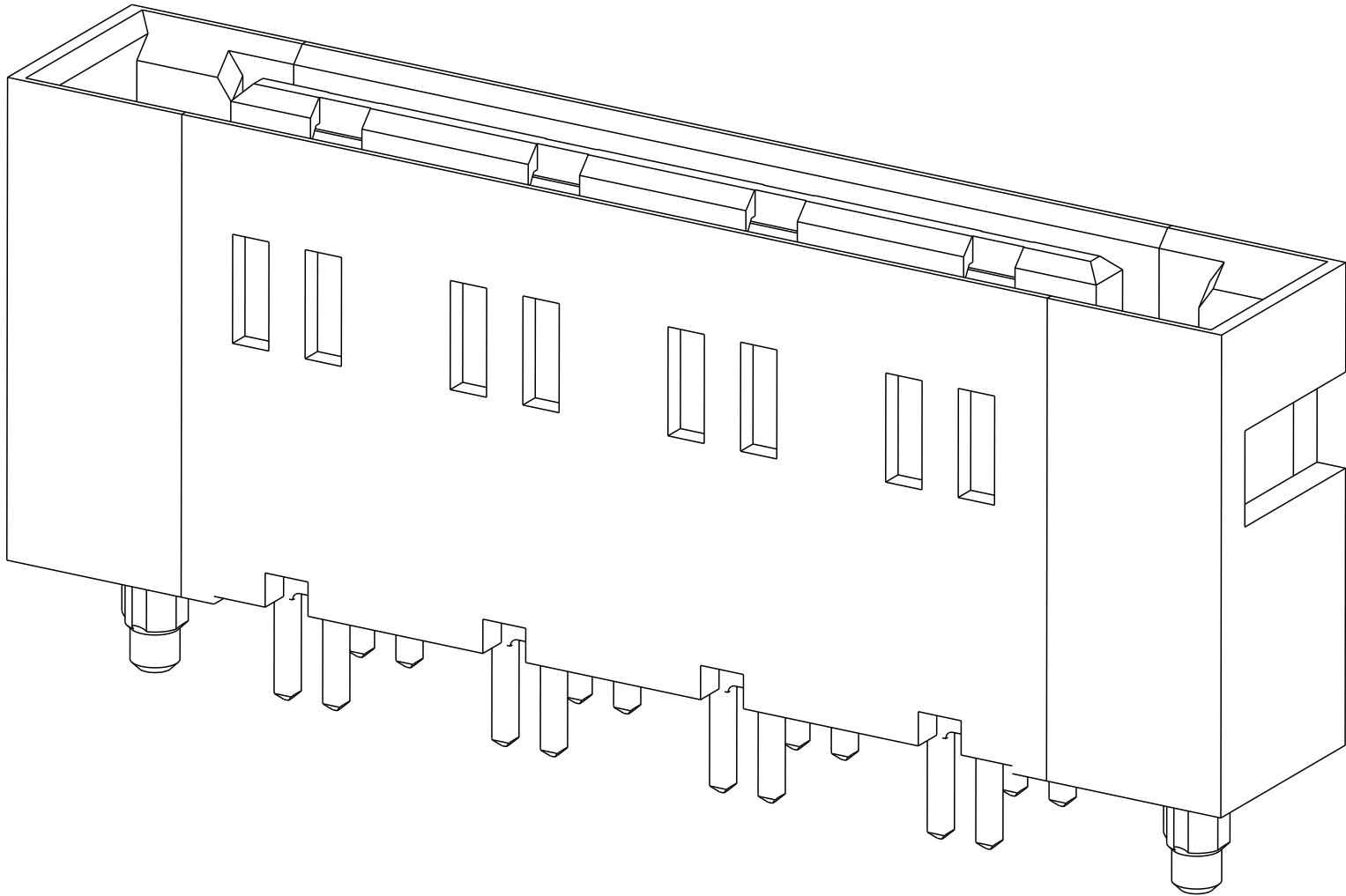
DIM "A", TAIL LENGTH
1: 2.60±0.25mm (STB TAIL,PCB THK 1.57±0.13mm)
2: 3.25±0.25mm (STB TAIL ,PCB THK 2.36±0.13mm)
3: 3.04±0.25mm (PF TAIL ,PCB THK 1.57MM MIN)

NOTES:

1. CONNECTOR MATERIALS:

HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK UL 94V-0 COMPLIANT

CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-1031 SECTION 5.2
3. PRODUCT SPECIFICATION: GS-12-1031
4. APPLICATION SPECIFICATION: GS-20-0369
5. PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION GS-24-007.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-2272
7. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
8. MOUNTING HOLES ARE UNPLATED
Ø 2.25±0.05 FOR SOLDER TAILS
Ø 2.40±0.10 FOR PF TAILS



spec ref -				dr Hai-Ling Liu		2016/02/21		projection		mm		size A2		scale 5:1	
tolerance std				eng Hai-Ling Liu		2016/03/01						ecn no -		rel level Released	
ASME Y14.5				chr Terris Liu		2016/03/01									
ISO 1101				appr Pei-Ming Zheng		2016/03/01									
TOLERANCES UNLESS OTHERWISE SPECIFIED								product family		-					
surface		linear		0.X ±0.50		Amphenol FCI		title HPCE CTB VT HEADER				dwg no 10138796		rev A	
ASME Y14.5		0.XX ±0.25													
		0.XXX ±0.10													
angular		0° ±2°		cat. no.		-		Product - Customer Drw				sheet 4 of 4			