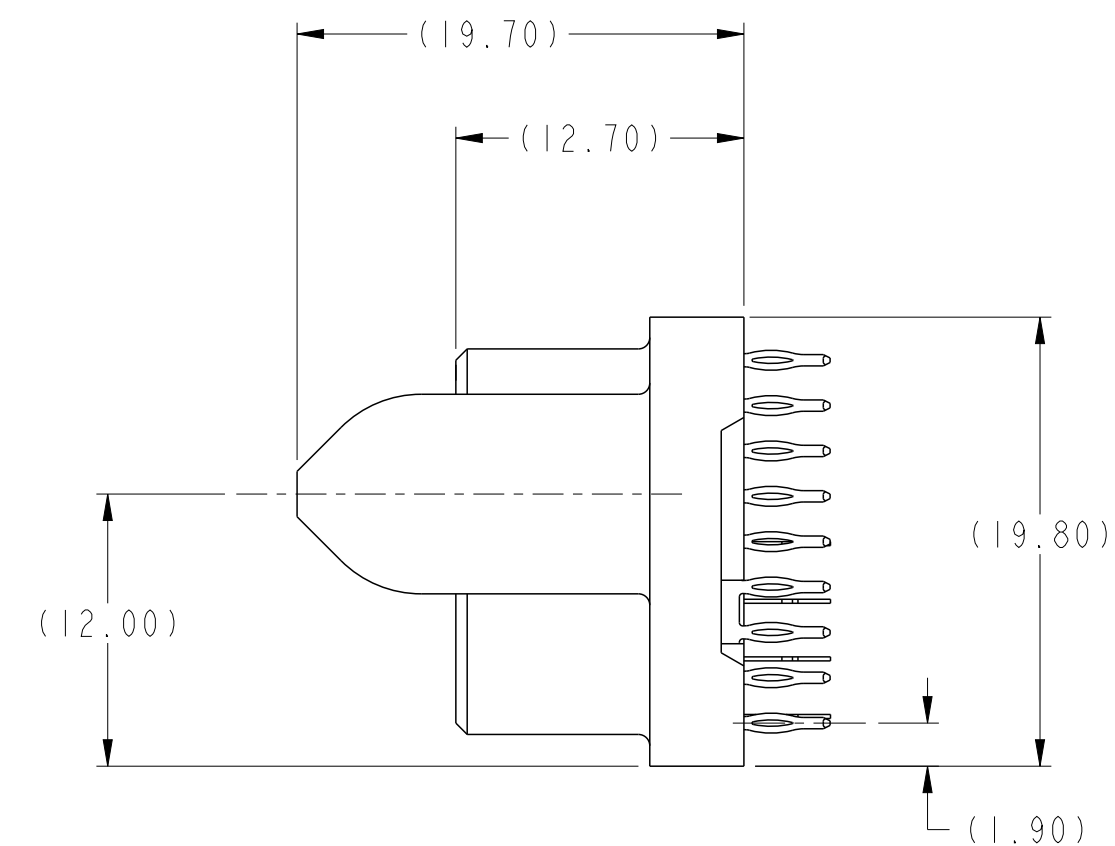
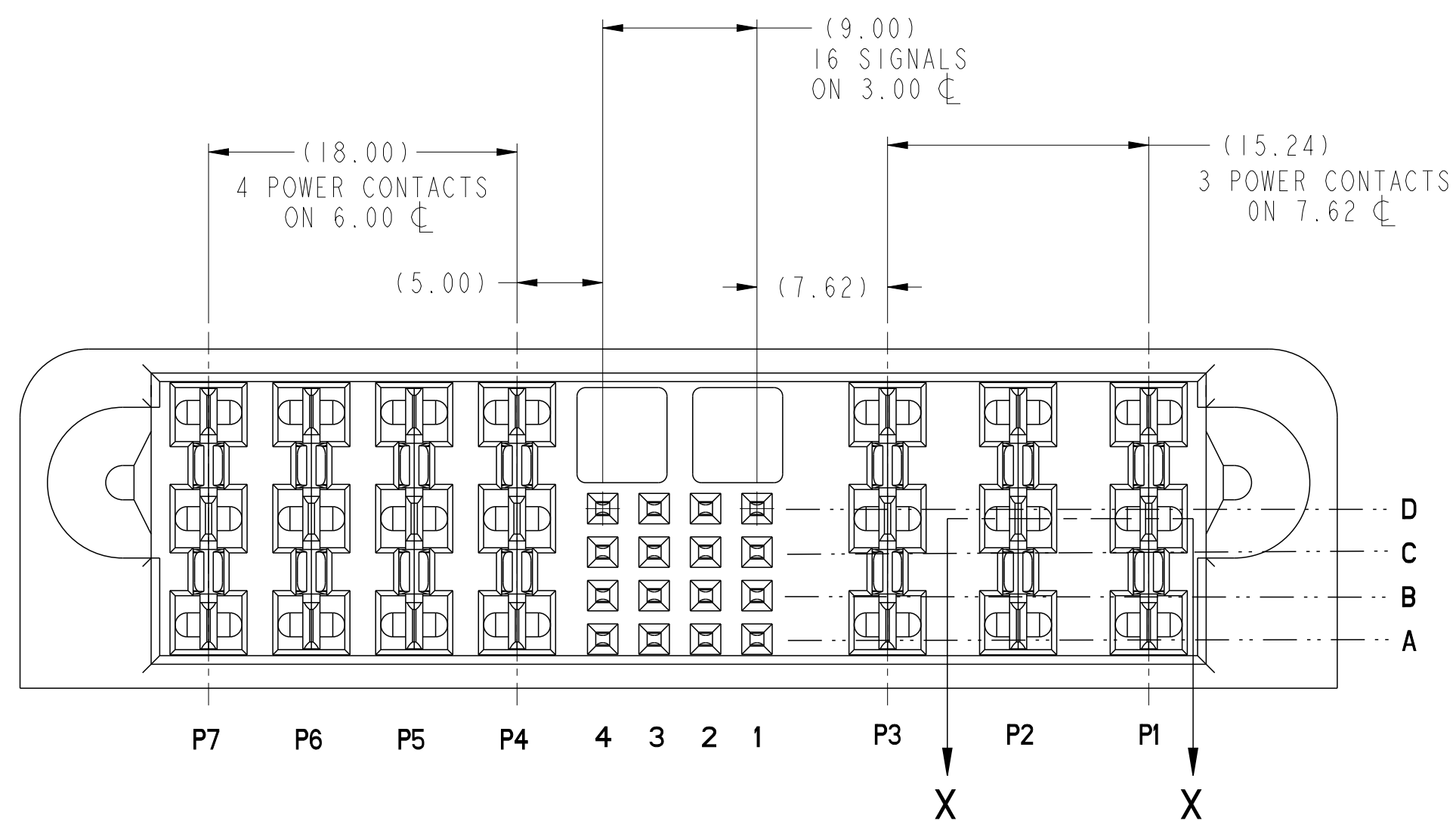
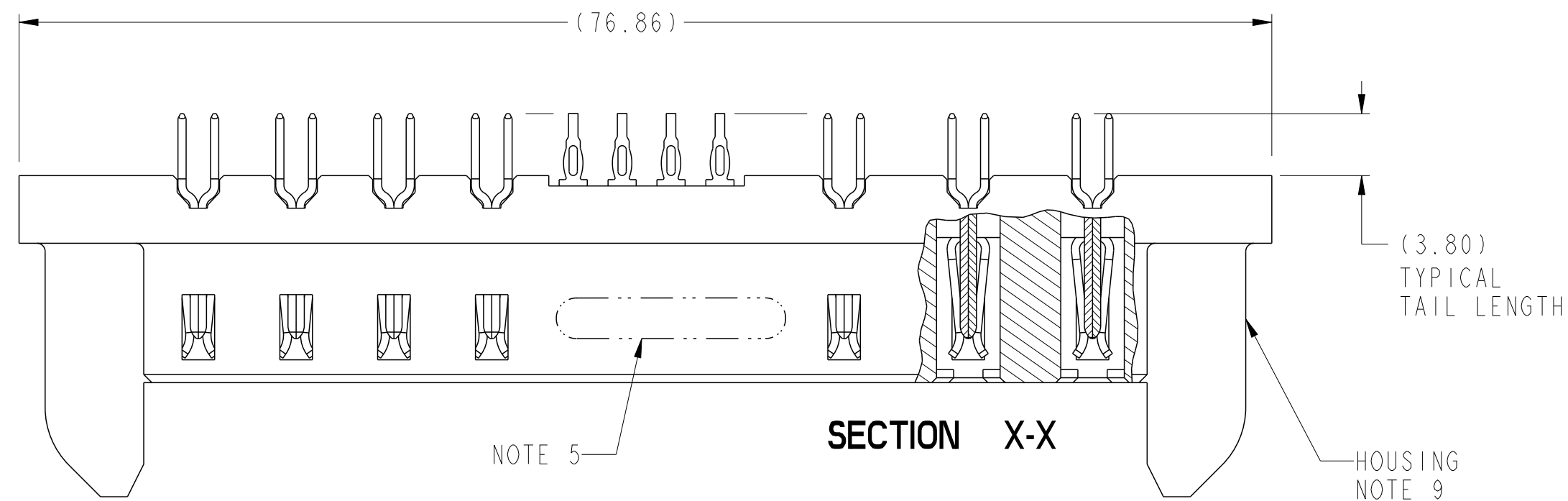
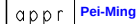
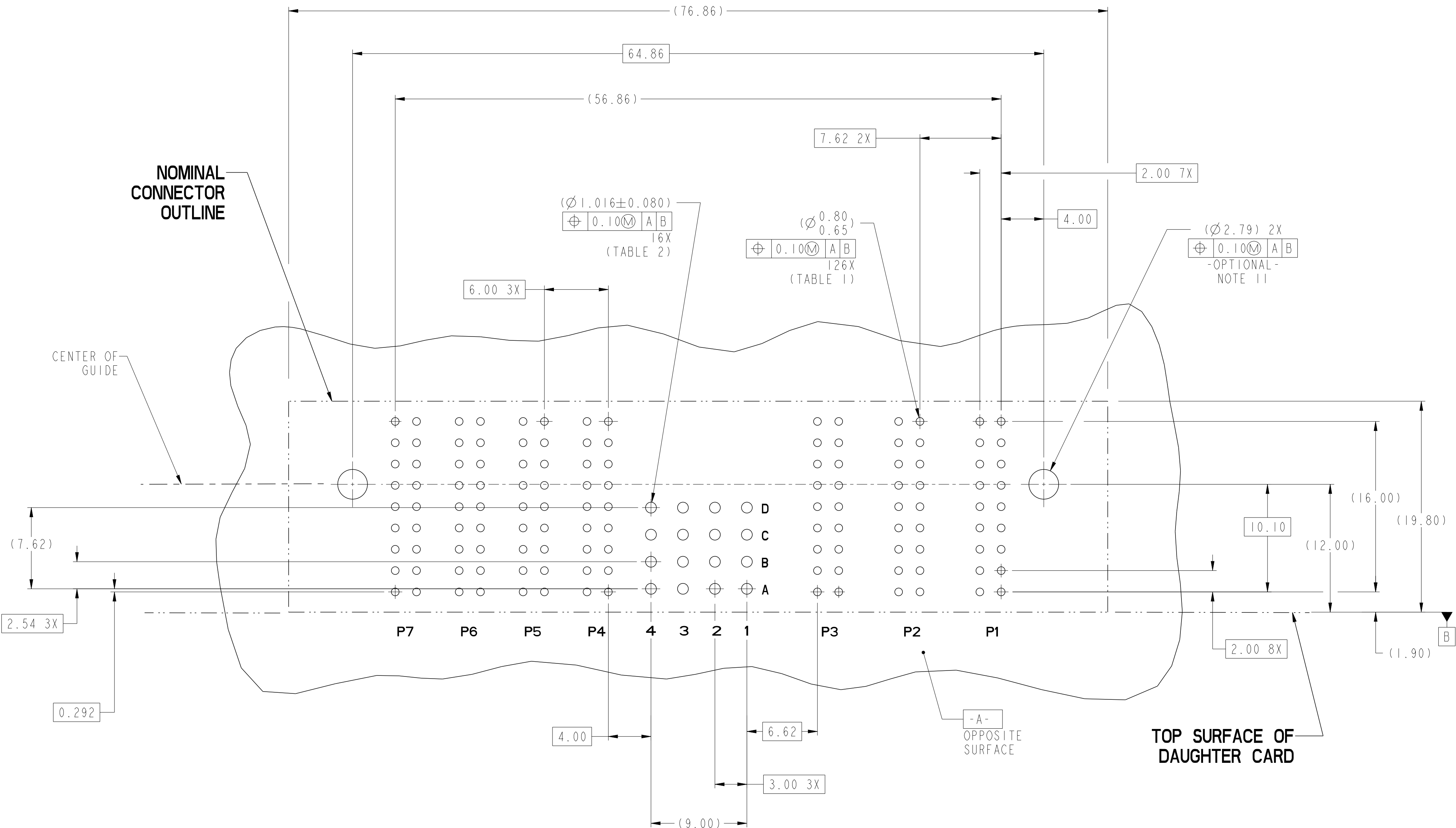




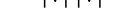
spec ref		-	dr		Not Found DuWa		2010/04/28		projection		MM		size		A2		scale		3:1		
tolerance std		-	eng		De-Ming Lu		2014/12/28						ecn no		ELX-DG-19849-1						
ASME Y14.5		chr		-		-															
		appr		Pei-Ming Zheng		2014/12/29															
										product family		HCI		rel level		Released					
surface			linear				title		VERT RECP ASSY 3AC-16S-4DC		dwg no		10091379				rev		B		
							HCI POWER CONNECTOR														
ASME Y14.5		angular																			
						0.X		±0.5													
						0.XX		±0.25													
						0.XXX		±0.10													
						0°		±2°													
						www.fci.com		cat. no.		-		Product - Customer Drw		sheet 1 of 4							

NOMINAL
CONNECTOR
OUTLINE

CENTER OF
GUIDE



RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTE 6

dr	NotFound DuWa	2010/04/28	projection 	MM 	size	A2	scale	3:1
eng	De-Ming Lu	2014/12/28			ecn no	ELX-DG-19849-1		
chr	-	-				rel level		
appr	Pei-Ming Zheng	2014/12/29	product family		HCI			
			title		dwg no		rev	
			VERT RECP ASSY 3AC-16S-4DC		10091379		B	
HCI POWER CONNECTOR								
www.fci.com		cat. no.	-	Product - Customer Drw			sheet 2 of 4	

PDS: Rev :B

STATUS:Released

Printed: Dec 29, 2014

A

TOP LAYER DESCRIPTION	TABLE 1 (HCI POWER) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	0.65 - 0.80
IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	0.9 - 1.5um	--	0.70 - 0.80
IMMERSION SILVER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	0.15 - 0.65um	0.70 - 0.80
COPPER (SEE NOTE 9)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	--	0.70 - 0.80
GOLD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.003 - 0.007	FLASH UP TO 0.0002	--	--	0.69 - 0.80

B

TOP LAYER DESCRIPTION	TABLE 2 (HPC SIGNALS) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	1.125-1.175 ($\varnothing .0453 \pm .0010$)	0.025-0.050	0.005-0.015	--	--	--	--	0.94 - 1.10 ($\varnothing .040 \pm .003$)
IMMERSION TIN			--	--	--		--	
IMMERSION SILVER			--	--	--	--		
COPPER (SEE NOTE 9)			--	--	--	--	--	
GOLD			--			--	--	

C

D

E

F



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dr	NotiFound DuWa	2010/04/28	projection 	MM 	size	A2	scale	3:1
eng	De-Ming Lu	2014/12/28			ecn no	ELX-DG-19849-1		
chr	-	-	product family	HCI	rel level			Released
appr	Pei-Ming Zheng	2014/12/29						
		VERT RECP ASSY 3AC-16S-4DC			dwg no		10091379	rev
www.fci.com		cat. no.	-	Product - Customer Drw			sheet 3 of 4	
		HCI POWER CONNECTOR					B	

1		2		3	4	5	6	7	8
PART NUMBER		M2.5 SCREW NOTE 11	TAIL PLATING	TAIL TYPE					
10091379-001		OPTIONAL	SnPb	PRESS-FIT					
10091379-001LF		OPTIONAL	Sn	PRESS-FIT					

NOTES:

1. CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY

2. CONTACT FINISH(ref. GS-12-380 SECTION 5.2)

3. PRODUCT SPECIFICATION: GS-12-380.

4. APPLICATION SPECIFICATION: GS-20-070.

5. PRODUCT MARKING (PRODUCT NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.

6. MINIMUM NOMINAL PCB THICKNESS: 1.6mm

7. PACKAGING MEETS FCI SPECIFICATION GS-14-1073.

8. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C
PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED,
OR VAPOR PHASE REFLOW OVEN.

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

10. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

11. RECOMMENDED RETENTION TO PCB.

Ø0.110[2.79] THRU HOLE (UNPLATED) FOR M2.5 SELF THREADING SCREW, MAX
HEAD Ø0.177[4.50].
RECOMMENDED SCREW LENGTH 0.276[7.00] + PCB THICKNESS.
RECOMMENDED SCREW SEATING TO PCB TORQUE: 2-5 lbf-in (2300-5760 gf-cm).

dr	Not-Found DuWa	2010/04/28	projection	MM	size	A2	scale	3:1		
eng	De-Ming Lu	2014/12/28			ecn no				ELX-DG-19849-1	
chr	-	-			rel level				Released	
appr	Pei-Ming Zheng	2014/12/29			product family				HCI	
www.fci.com			title	VERT RECP ASSY 3AC-16S-4DC			dwg no	10091379	rev	B
			cat. no.	-			Product - Customer Drw		sheet 4 of 4	

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