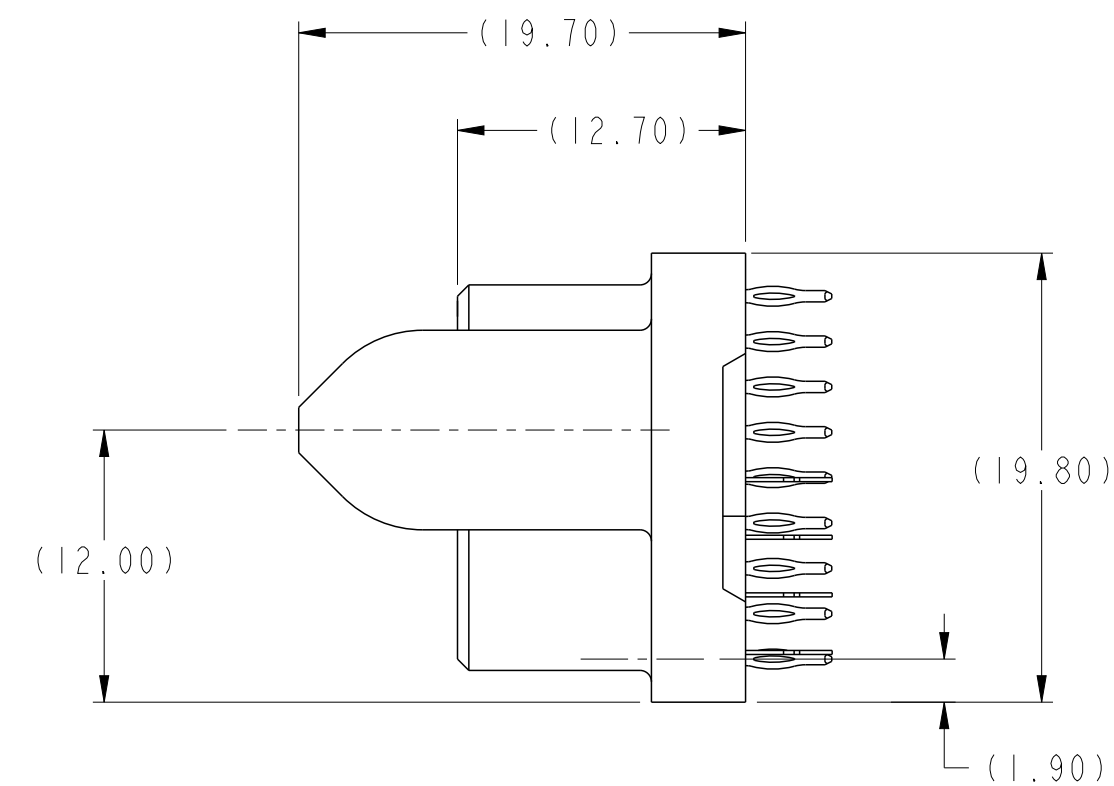
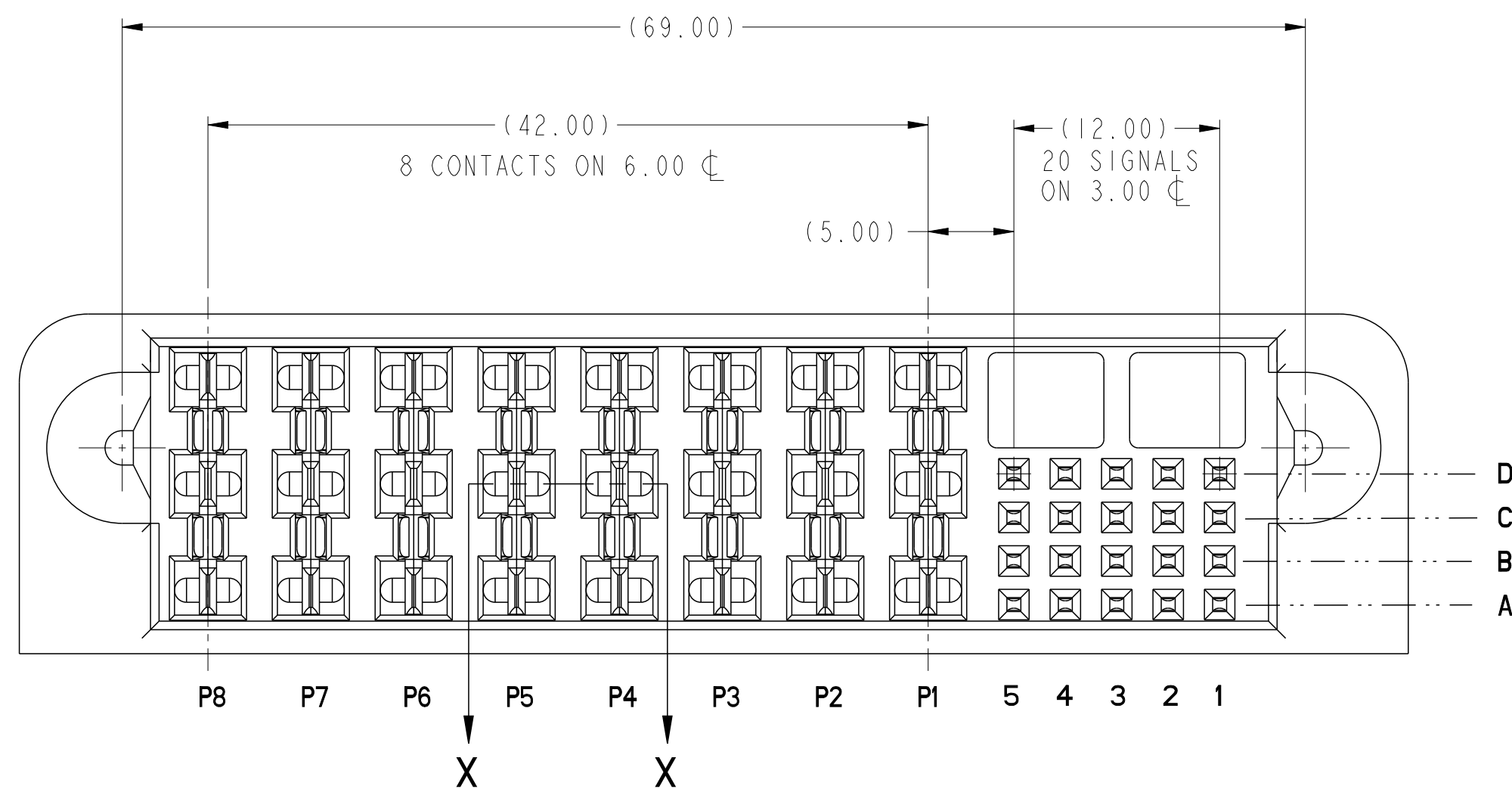
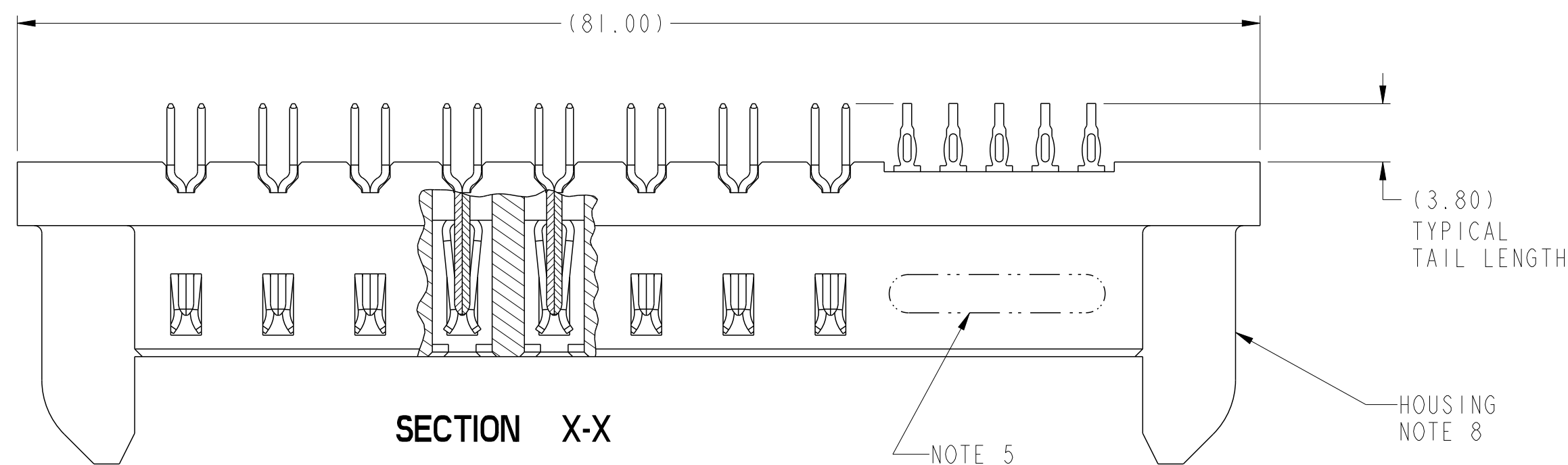
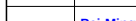


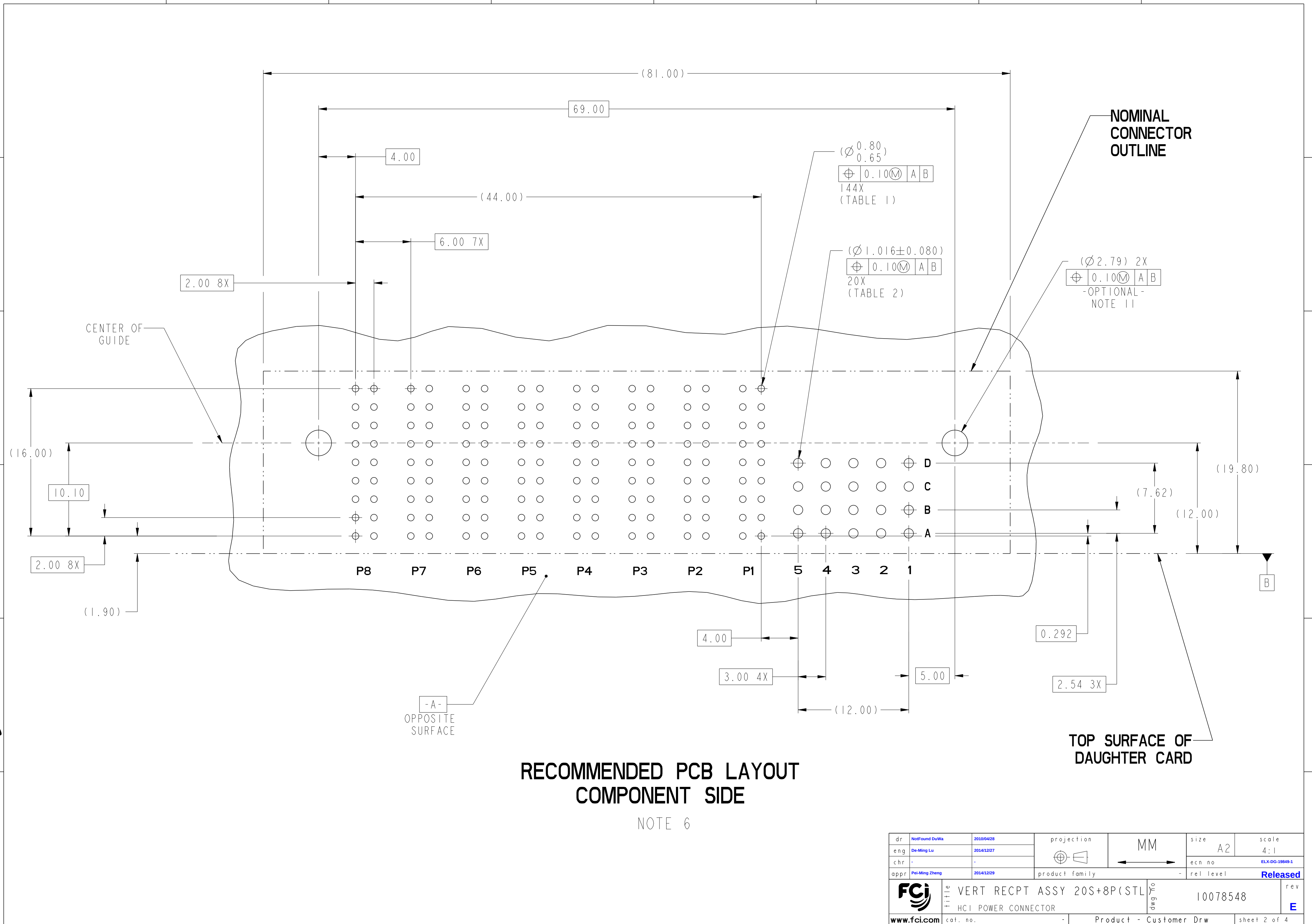


spec ref		-	dr		NotFound DuWa	2010/04/28	projection				size	A2	scale	3:1			
tolerance std		-	eng		De-Ming Lu	2014/12/27					ecn no		ELX-DG-19848-1				
ASME Y14.5		chr		-	-	rel level					Released						
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr		Pei-Ming Zheng	2014/12/29	product family					HCL						
surface			linear			title		VERT RECPT ASSY 20S+8P(STL)				dwg no		10078548		rev	E
						HCL POWER CONNECTOR											
ASME Y14.5			angular			0° ±2°											
			www.fci.com		cat. no.		-	Product - Customer Drw				sheet 1 of 4					

PDS: Rev :E

STATUS:Released

Printed: Dec 30, 2014



RECOMMENDED PCB LAYOUT COMPONENT SIDE

NOTE 6

dr	Not Found DuWa	2010/04/28	projection	MM	size	A2	scale	4:1
eng	De-Ming Lu	2014/12/27			ecn no	ELX-DG-19849-1		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2014/12/29	product family	-				
FCI		title		VERT RECPT ASSY 20S+8P(STL)		10078548		rev
www.fci.com		cat. no.		Product - Customer Drw		sheet 2 of 4		E

	1	2	3	4	5	6	7	8	
A									A
B	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	
C	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 (Ø.0453±.0010)	0.025-0.050	0.005-0.015	--	--	--	--	0.94 - 1.10 (Ø.040±.003)
	IMMERSION TIN			--	--	--	--	--	
	IMMERSION SILVER			--	--	--	--	--	
	COPPER (SEE NOTE 9)			--	--	--	--	--	
GOLD			--			--	--		
D									D
									E
									F
E									E
									F
F									F

1		2		3	4	5	6	7	8
PART NUMBER		M2.5 SCREW NOTE 11	TAIL PLATING	TAIL TYPE					
10078548-001		OPTIONAL	SnPb	PRESS-FIT					
10078548-001LF		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.

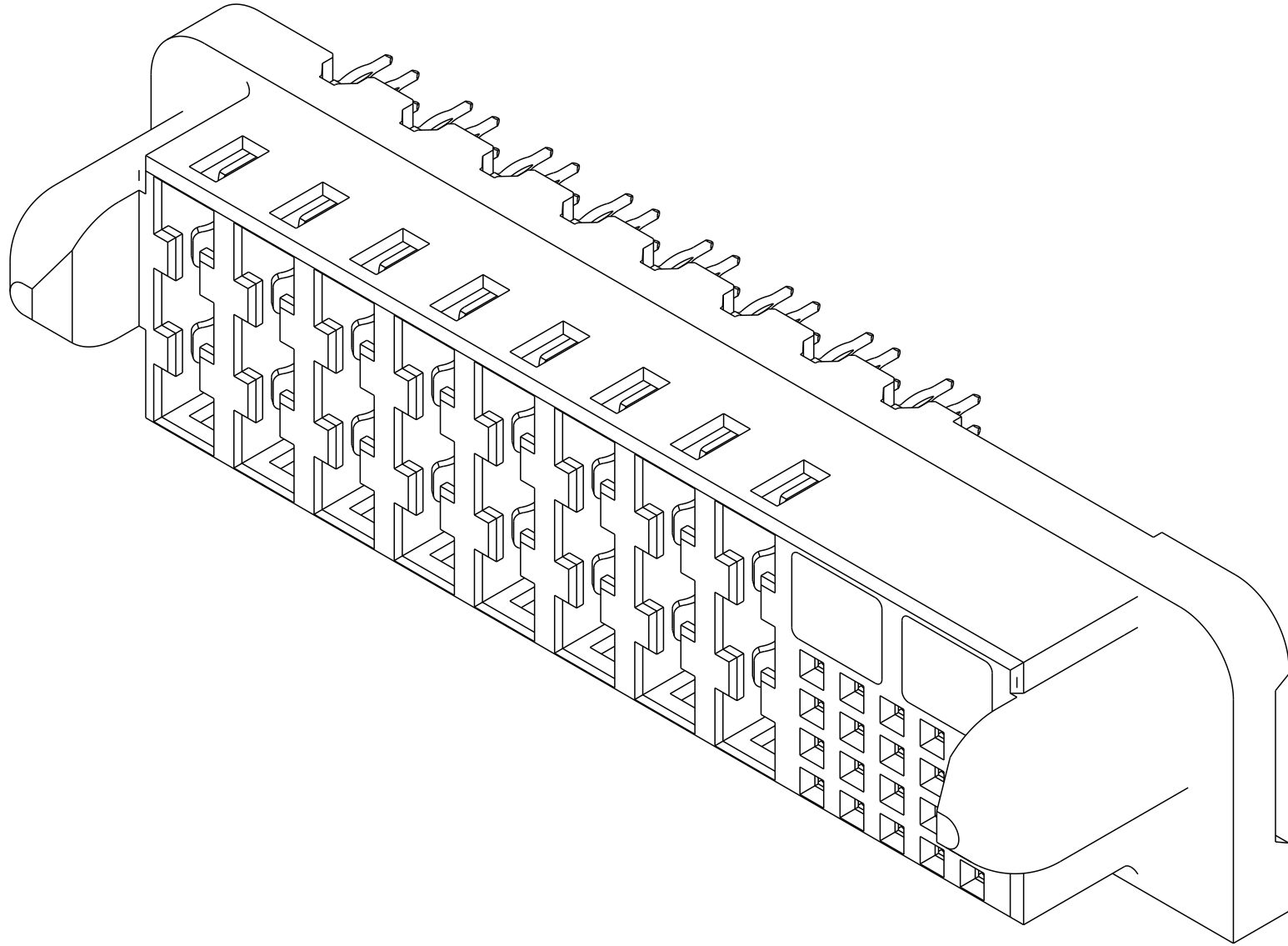
COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE
NO MORE THAN 0.003 LESS THAN OTHER AREAS.

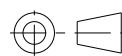
10.

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	2014/12/27	chr			-	ecn no	ELX-DG-19849-1	
appr	Pei-Ming Zheng	2014/12/29	product family	HCI		rel level	Released		
			title	VERT RECPT ASSY 20S+8P(STL) HCI POWER CONNECTOR			dwg no	10078548	
www.fci.com			cat. no.	-		Product - Customer Drw		sheet 4 of 4	
PDS: Rev :E			STATUS:Released			Printed: Dec 30, 2014			