

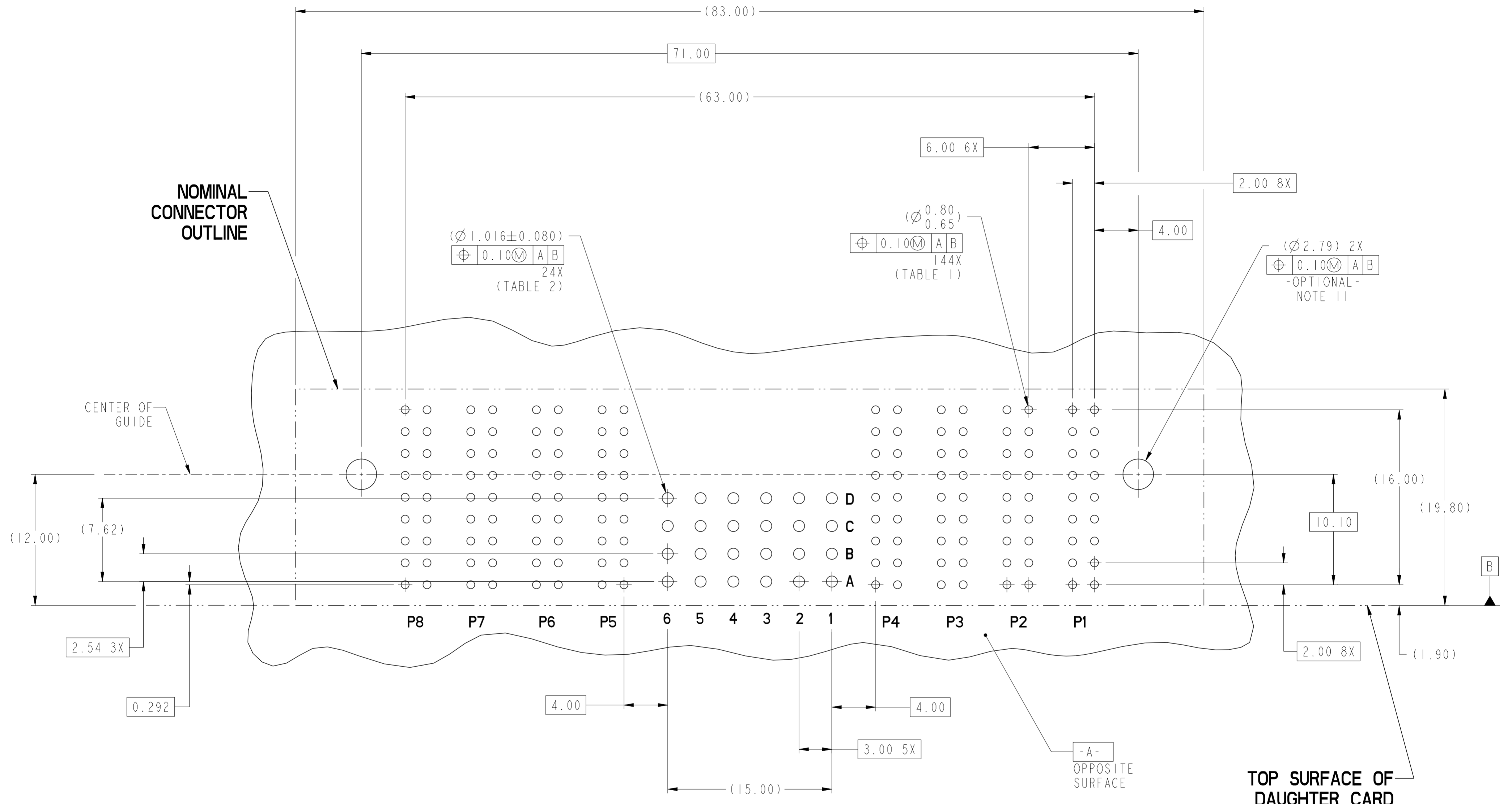
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spec ref	-	dr	Not Found DuWa	2010/04/28	projection	MM	size	A2	scale	3:1										
tolerance std	ASME Y14.5	eng	De-Ming Lu	2014/12/27			ecn no	ELX-DG-19849-1												
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	rel level			Released													
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.5</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.25</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.10</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	linear	0.X	±0.5				0.XX	±0.25		0.XXX	±0.10	angular	0°	±2°	appr	Pai-Ming Zheng	2014/12/29	product family	HCI
linear	0.X	±0.5																		
	0.XX	±0.25																		
	0.XXX	±0.10																		
angular	0°	±2°																		
ASME Y14.5		www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 4														
				<b>VERT RECPT ASSY 4P+24S+4P</b> HCI POWER CONNECTOR		dwg no 10077215	rev B													

PDS: Rev :B

STATUS:Released

Printed: Dec 30, 2014



**RECOMMENDED PCB LAYOUT  
COMPONENT SIDE**

NOTE 6

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dr	NotFound 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	-	rel level	Released		
		title VERT RECPT ASSY 4P+24S+4P HCI POWER CONNECTOR		dwg no 10077215	rev B		sheet 2 of 4	
www.fci.com		cat. no.	-		Product - Customer Drw	-		

A

A

B

B

C

C

D

D

E

E

F

F

TOP LAYER DESCRIPTION

TABLE 1 (HCI POWER)  
PLATED THROUGH-HOLE REQUIREMENTS

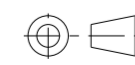
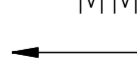

TOP LAYER DESCRIPTION	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	0.65 - 0.80
IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	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

TOP LAYER DESCRIPTION

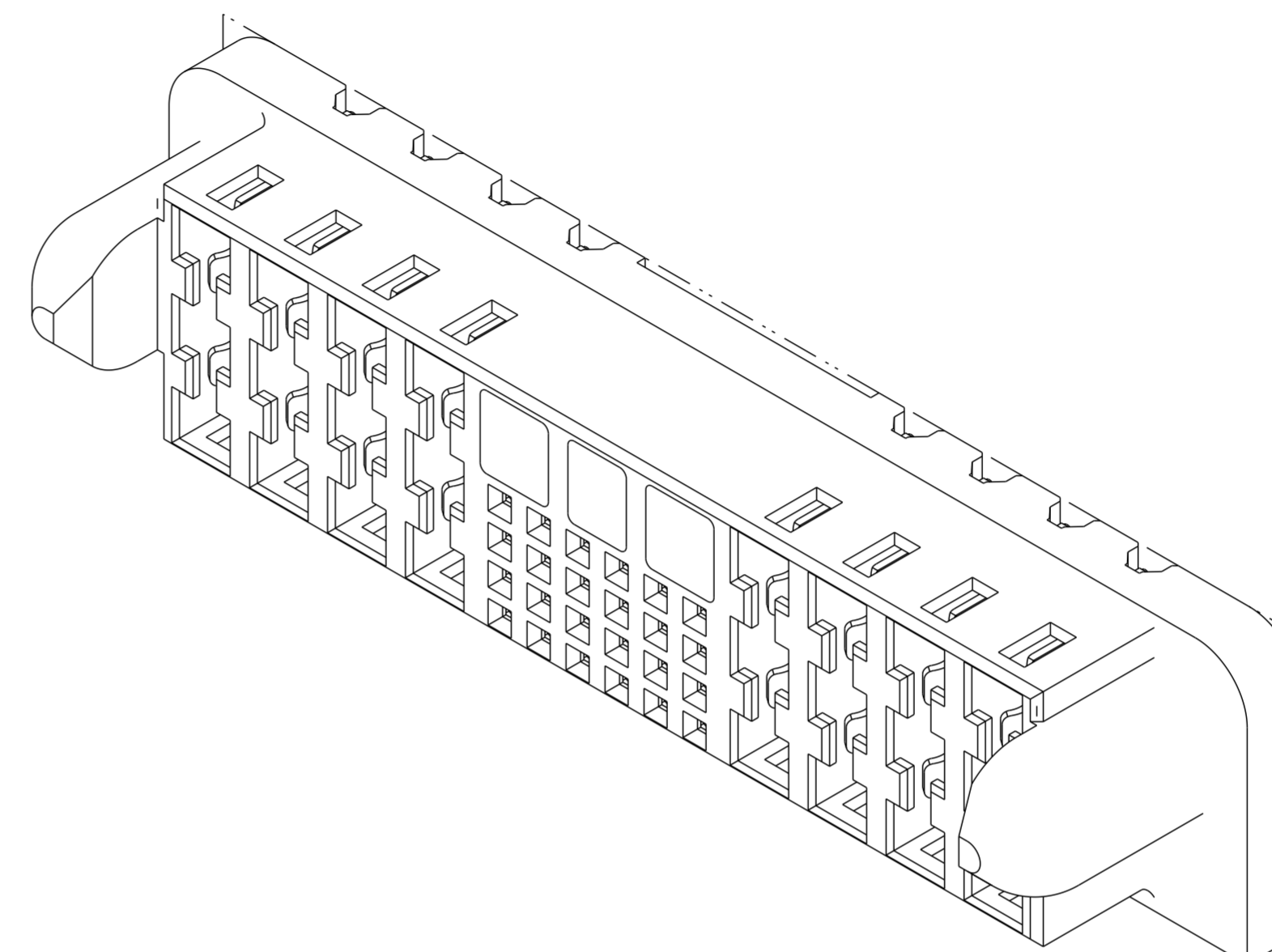
TABLE 2 (HPC SIGNALS)  
PLATED THROUGH-HOLE REQUIREMENTS

TOP LAYER DESCRIPTION	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			--	--	--	--	--	

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dr	NotFound DuWa	2010/04/28	projection		size	A2	scale	1:1
eng	De-Ming Lu	2014/12/27		MM	ecn no	ELX-DG-19849-1		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2014/12/29	product family	-				
		title		VERT RECPT ASSY 4P+24S+4P		dwg no	10077215	
www.fci.com		cat. no.		-		Product - Customer Drw	sheet 3 of 4	rev
								B

PART NUMBER	M2.5 SCREW NOTE 11	TAIL PLATING	TAIL TYPE
10077215-001	OPTIONAL	SnPb	PRESS-FIT
10077215-001LF	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.  
  
 $\varnothing 0.110[2.79]$  THRU HOLE (UNPLATED) FOR M2.5 SELF THREADING SCREW, MAX  
HEAD  $\varnothing 0.177[4.50]$ .  
RECOMMENDED SCREW LENGTH  $0.276[7.00] +$  PCB THICKNESS.  
RECOMMENDED SCREW SEATING TO PCB TORQUE: 2-5 lbf-in (2300-5760 gf-cm).

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chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2014/12/29	product family	HCI	rel level	Released		
		<b>VERT RECPT ASSY 4P+24S+4P</b>		dng no 10077215	rev <b>B</b>			
<a href="http://www.fci.com">www.fci.com</a>		cat. no.	-		Product - Customer Drw	sheet 4 of 4		