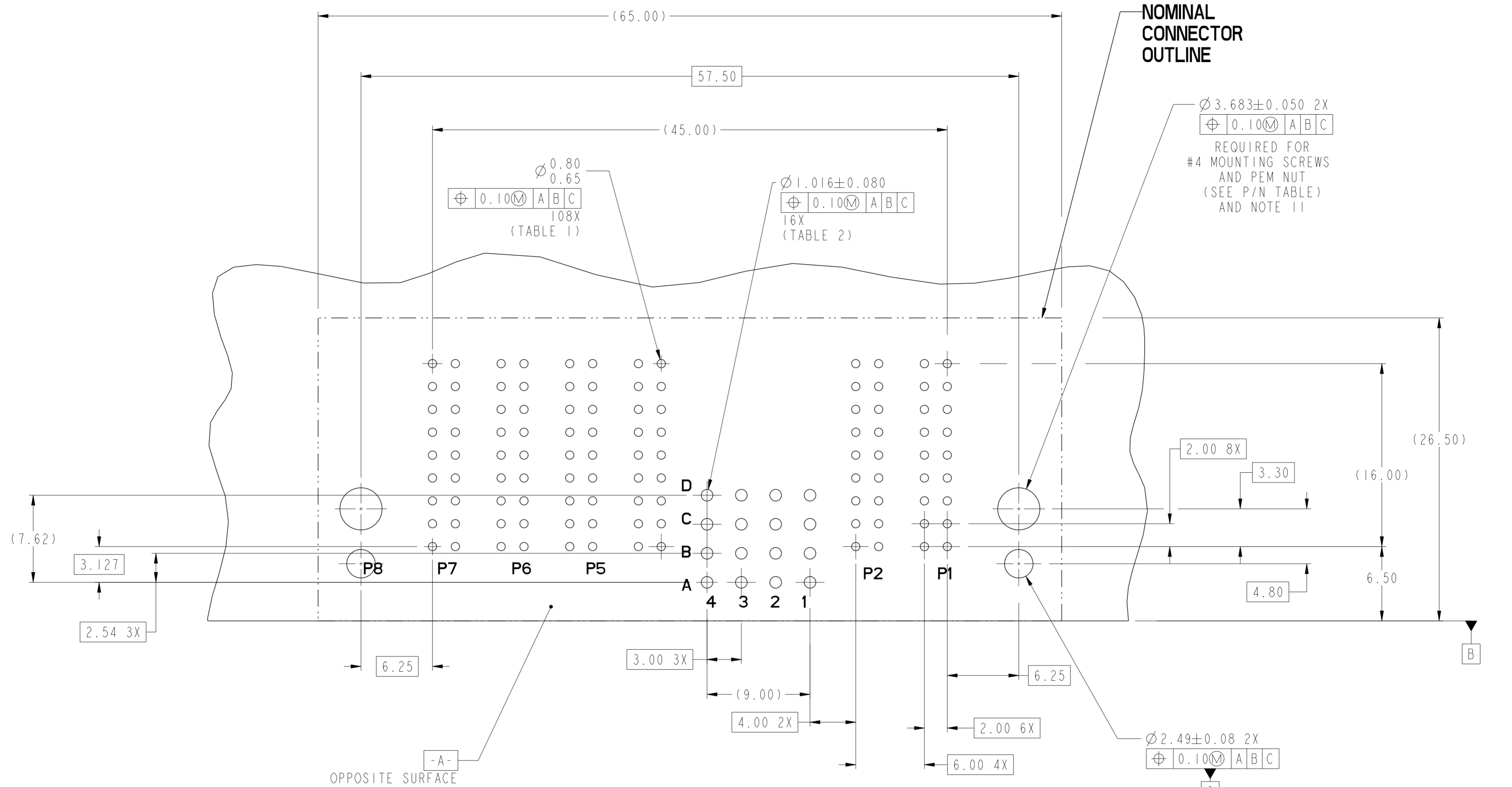


spec ref	*	dr	NotFound DuWa	2010/07/29	projection	MM	size	A2	scale	3:1
tolerance std	ASME Y14.5	eng	De-Ming Lu	2014/12/28	chr	-	ecn no	ELX-DG-19849-1	rel level	Released
surface	✓	appr	Pei-Ming Zheng	2014/12/29	product family	-	cat. no.	10115593	rev	B
ASME Y14.5	linear	0.X	±0.5	0.XX	±0.25	0.XXX	±0.10	angular	0°	±2°

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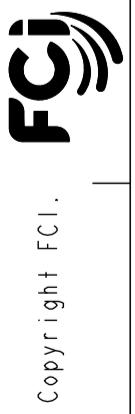
**RECOMMENDED PCB LAYOUT
COMPONENT SIDE**
NOTE 6

-A-
OPPOSITE SURFACE

**NOMINAL
CONNECTOR
OUTLINE**

$\varnothing 3.683 \pm 0.050$ 2X
 $\oplus 0.10 \text{ (M) } A B C$
 REQUIRED FOR
 #4 MOUNTING SCREWS
 AND PEM NUT
 (SEE P/N TABLE)
 AND NOTE 11

$\varnothing 2.49 \pm 0.08$ 2X
 $\oplus 0.10 \text{ (M) } A B C$
 C
 REQUIRED ONLY FOR
 -003LF AND -004LF
 (SEE P/N TABLE)
 AND NOTE 11



dr	NotFound DuWa	2010/07/29	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	-	rel level	Released		
		title R/A RECPT ASSY 2P+16S+4P HCI POWER CONNECTOR	cat. no.	Product - Customer Drw	dwg no 10115593	rev B	sheet 2 of 4	

A

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

B

C

C

TOP LAYER DESCRIPTION	TABLE 2 (HPC SIGNALS) PLATED THROUGH-HOLE REQUIREMENTS			
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD 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			--	

D

D

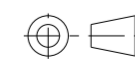

E

E

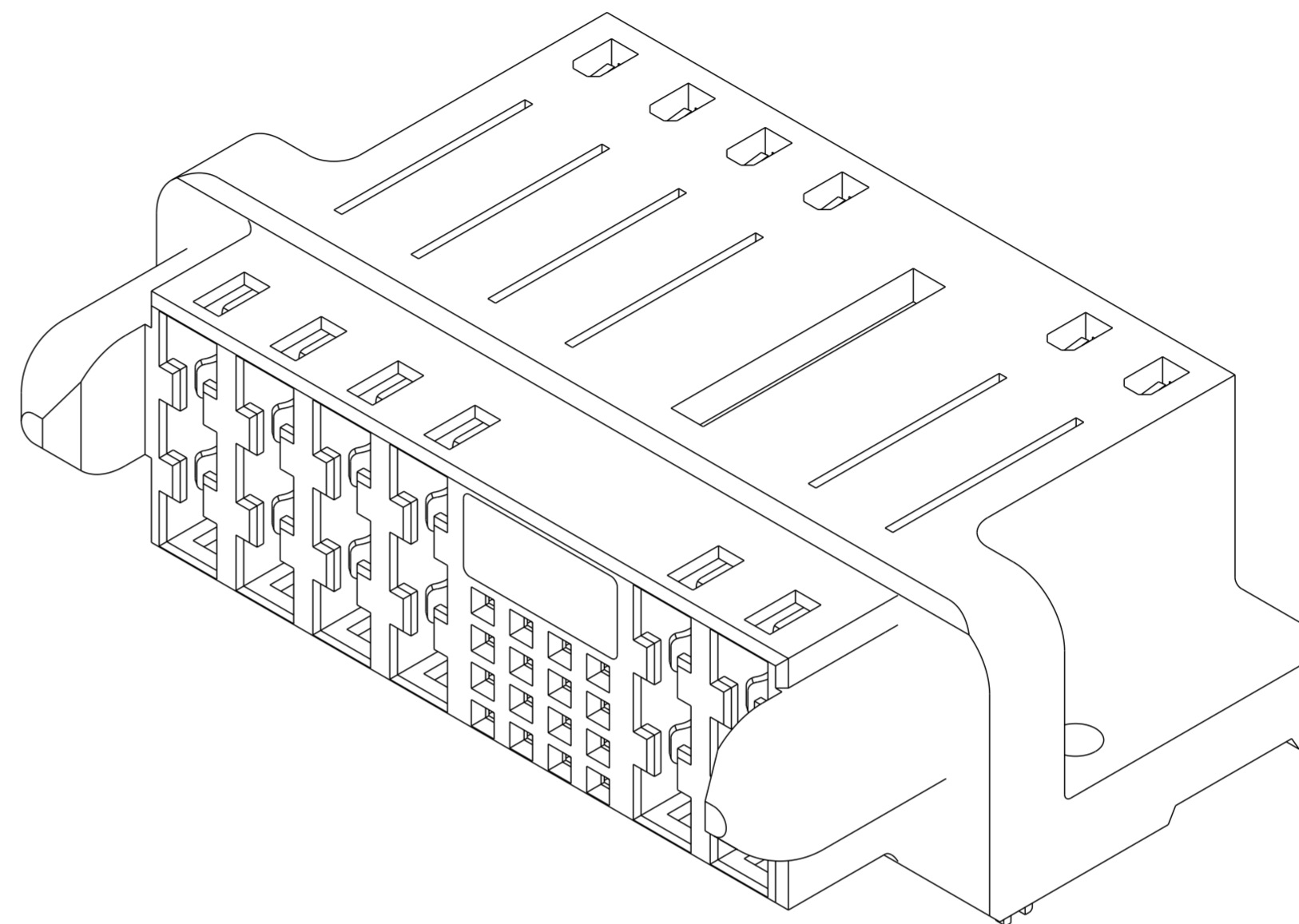
F

F

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dr	NotFound DuWa	2010/07/29	projection		MM	size	A2	scale	1:1
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		-				
		title		R/A RECPT ASSY 2P+16S+4P		dwg no		10115593	
www.fci.com		cat. no.		-		Product - Customer Drw		sheet 3 of 4	
		rev		B					

PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM A (TAIL LENGTH)	TAIL TYPE
10115593-001LF	NO	YES	3.43	SOLDER TAIL
10115593-002LF	NO	YES	4.70	SOLDER TAIL
10115593-003LF	YES	NO	3.43	SOLDER TAIL
10115593-004LF	YES	NO	4.70	SOLDER TAIL



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. (IN PROGRESS)
4. APPLICATION SPECIFICATION: GS-20-070. (IN PROGRESS)
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. MOUNTING HOLES ARE UNPLATED.

dr	Not Found DuWa	2010/07/29	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	-	cat. no.	10115593	rev	B
www.fci.com		R/A RECPT ASSY 2P+16S+4P		HCI POWER CONNECTOR		Product - Customer Drw sheet 4 of 4		

