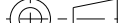


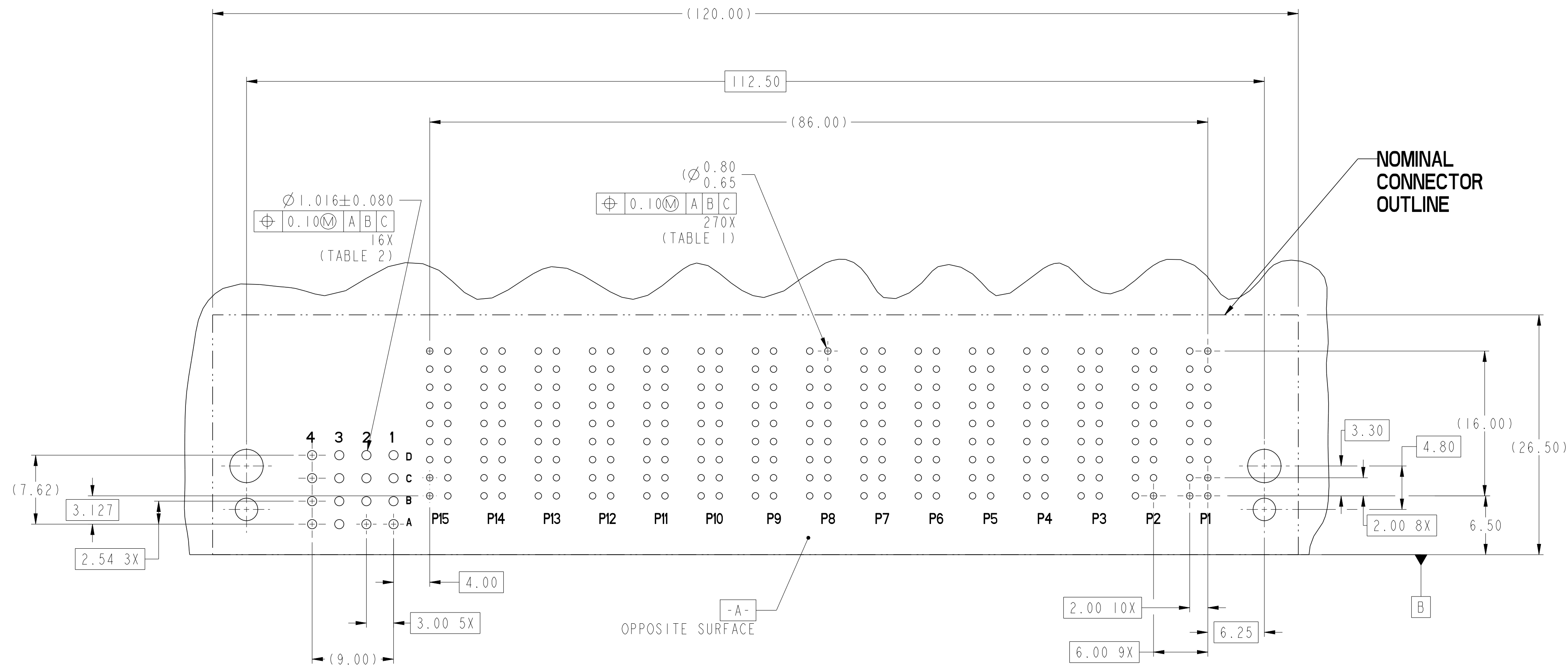


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spec ref		*		dr	DuWa	2010/04/27	projection		MM		size	A2	scale	1:1
tolerance std				eng	Helen Zhang	2012/07/23					ecn no	-		
- ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-					rel level	Released		
				appr	Pei-Ming Zheng	2012/07/23	product family		-					
surface ✓	linear	0.X	±0.5		title	R/A RECPT ASSY 15DC-16S HCI POWER CONNECTOR				dwg no	10106031		rev	A
		0.XX	±0.25											
		0.XXX	±0.10											
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 1 of 4			



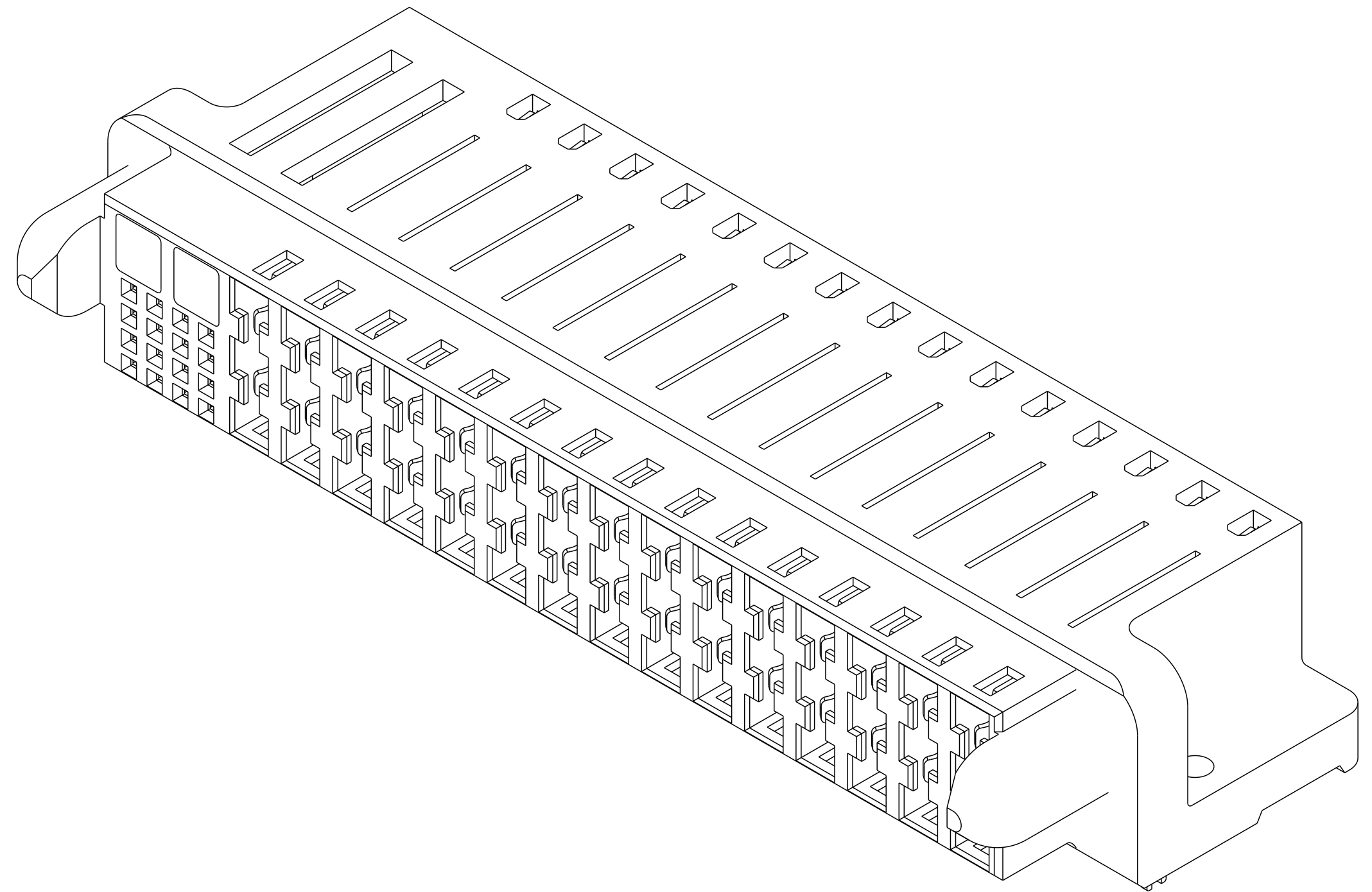
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTE 6

spec ref	*	dr	DuWa	2010/04/27	projection	MM	size	A2	scale	1:1
tolerance std	-	eng	Helen Zhang	2012/07/23	chr	-	ecn no	-		
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Pei-Ming Zheng	2012/07/23	product family	-	rel level	Released		
surface	✓	title	R/A RECPT ASSY 15DC-16S				dwg no	10106031	rev	A
ASME Y14.5	linear	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 2 of 4	

	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	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)				
D									D
E									E
F	FCI Copyright FCI.								F
Pdr/E File - REV C - 2009-06-09		2	3	4	5	PDS: Rev :A		STATUS:Released	Printed: Jul 23, 2012

spec ref *		dr DuWa		2010/04/27		projection		MM		size A2		scale 1:1	
tolerance std		eng Helen Zhang		2012/07/23						ecn no -		rel level Released	
- ASME Y14.5		chr -		2012/07/23									
		appr Pei-Ming Zheng											
surface		linear		0.X ±0.5		FCI		title R/A RECPT ASSY 15DC-16S		dwg no 10106031		rev A	
				0.XX ±0.25		www.fci.com		cat. no. -		Product - Customer Drw		sheet 3 of 4	
				0.XXX ±0.10									
ASME Y14.5		angular		0° ±2°									

1		2		3		4		5		6		7		8	
PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM A (TAIL LENGHT)	TAIL TYPE											
10106031-001LF	NO	YES	3.43	SOLDER TAIL											
10106031-002LF	NO	YES	4.70	SOLDER TAIL											
10106031-003LF	YES	NO	3.43	SOLDER TAIL											
10106031-004LF	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.
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. MOUNTING HOLES ARE UNPLATED.

spec ref *		dr DuWa		2010/04/27		projection		size A2		scale 1:1	
tolerance std - ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Helen Zhang		2012/07/23				ecn no -	
		chr -		-						rel level Released	
appr Pei-Ming Zheng		2012/07/23		product family		-					
surface		linear		0.X ±0.5 0.XX ±0.25 0.XXX ±0.10		FCI title R/A RECPT ASSY I5DC-16S HCI POWER CONNECTOR		dwg no 10106031		rev A	
ASME Y14.5		angular		0° ±0°		www.fci.com cat. no. -		Product-Customer Drw		sheet 4 of 4	

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