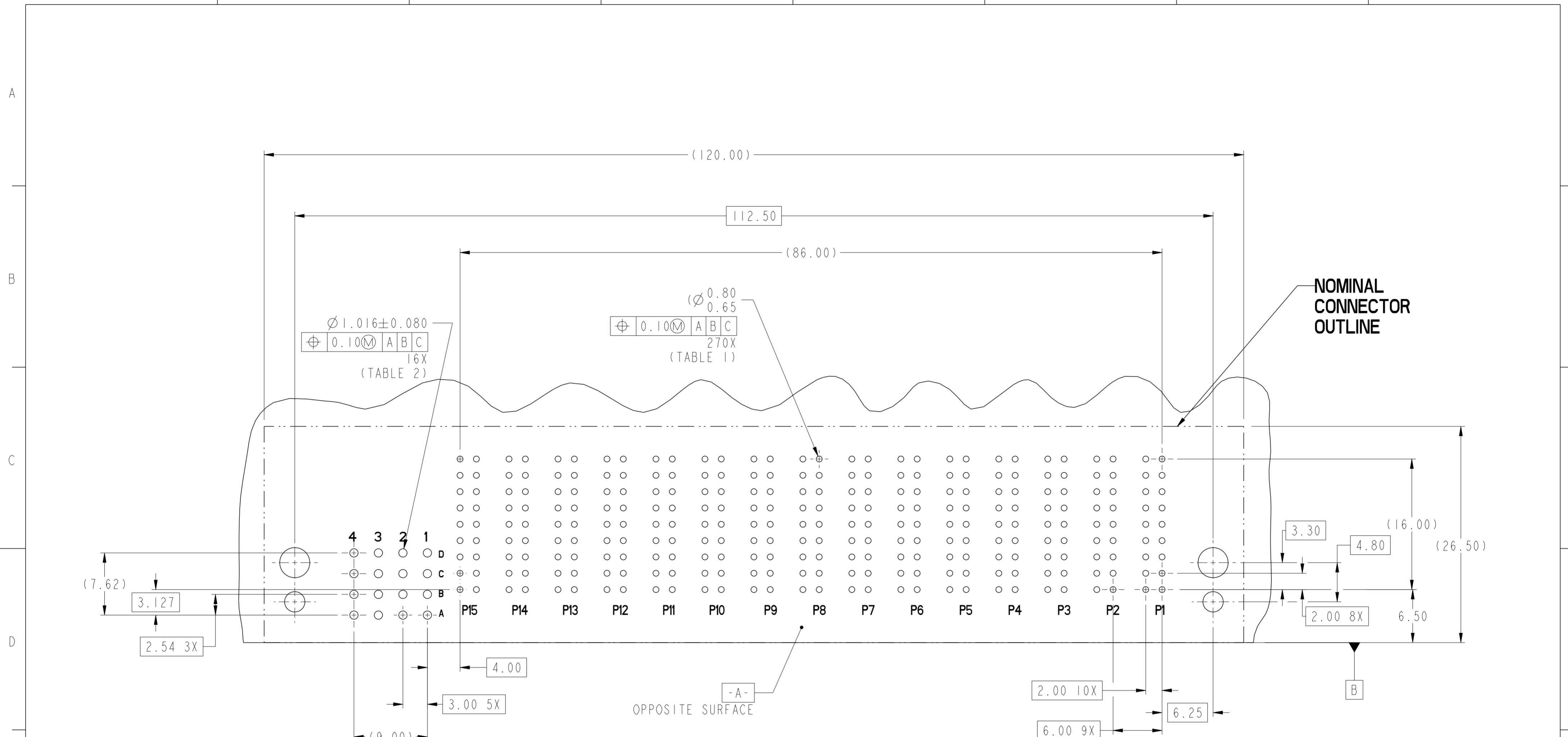


—RETENTION CLIPS  
OPTIONAL  
(SEE P/N TABLE)

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



**RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTE 6**

spec ref	*			dr	DuWa	2010/04/27	projection	MM	size	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Helen Zhang	2012/07/23 <th data-kind="parent" data-rs="2">product family</th> <th data-kind="parent" data-rs="2">ecn no</th> <th data-kind="parent" data-rs="2">- rel level</th> <th data-kind="parent" data-rs="2">Released</th>	product family	ecn no	- rel level	Released
-	ASME Y14.5			chr	-	-				
surface	✓	linear	0.X	±0.5						
			0.XX	±0.25						
			0.XXX	±0.10						
		angular	0°	±2°	www.fci.com	cat. no.				
							Product	Customer Drw		

FCI R/A RECPT ASSY 15DC-16S  
HCI POWER CONNECTOR  
10106031  
A

A

TOP LAYER DESCRIPTION	TABLE 1 (HCl 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 - 1.5 $\mu$ m	--	0.70 - 0.80
IMMERSION SILVER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	0.15 - 0.65 $\mu$ m	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

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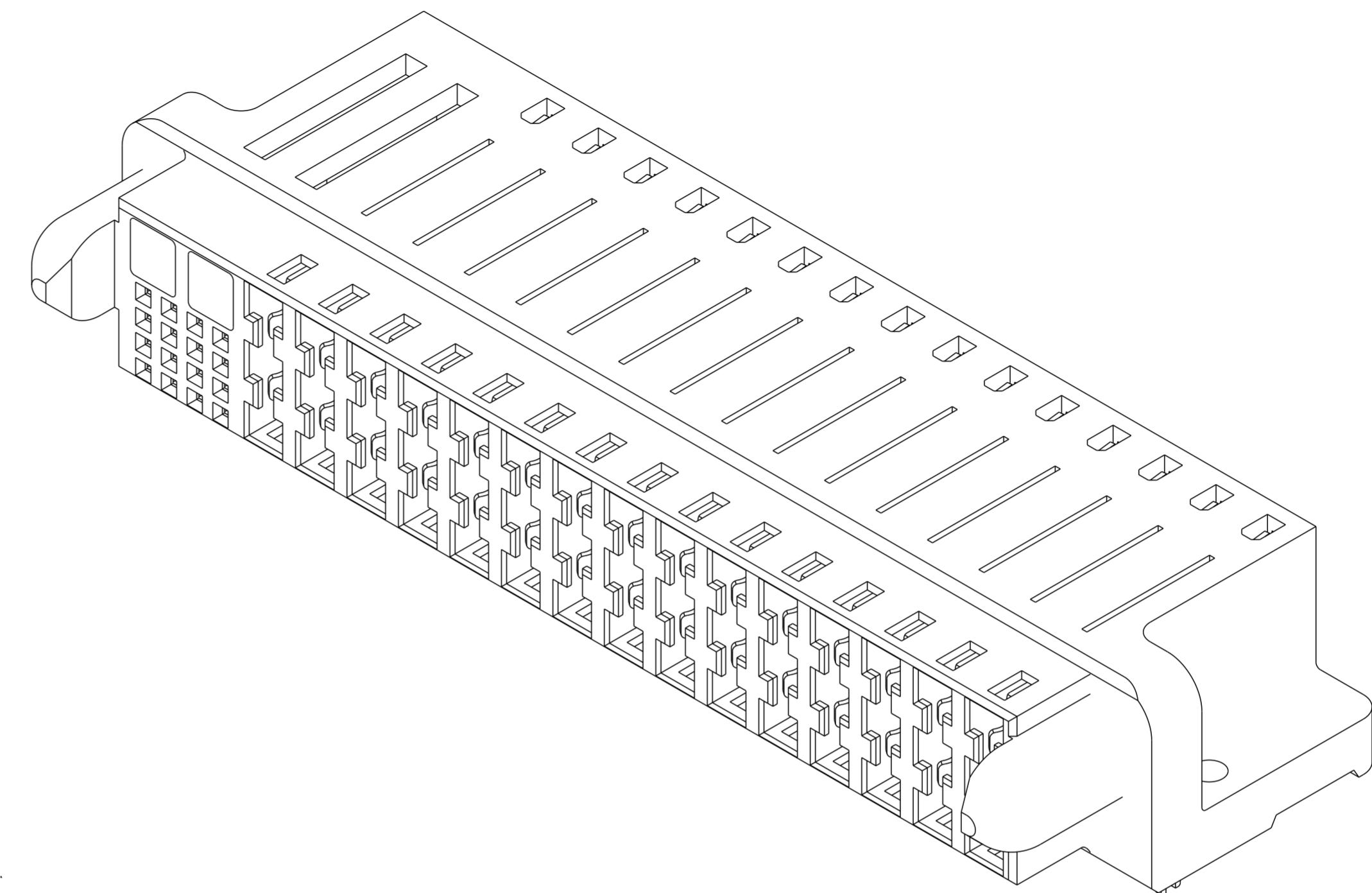
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TABLE 2 (HPC SIGNALS)  
PLATED THROUGH-HOLE REQUIREMENTS

TOP LAYER DESCRIPTION	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	1.125-1.175 ( $\phi$ .0453±.0010)	0.025-0.050	0.005 - 0.015	0.94 - 1.10 ( $\phi$ .040±.003)

spec ref	*	dr	DuWa	2010/04/27	projection	MM	size	A2	scale
tolerance std		eng	Helen Zhang	2012/07/23					
-	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-					
ASME Y14.5		oppr	Pei-Ming Zheng	2012/07/23	product family				
surface	✓	linear	0.X	±0.5					
			0.XX	±0.25					
			0.XXX	±0.10					
ASME Y14.5		angular	0°	±2°	FCI	R/A RECPT ASSY 15DC-16S	no	10106031	rev
						HCl POWER CONNECTOR	drw		
						cat. no.	-	Product - Customer Drw	sheet 3 of 4

PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM A (TAIL LENGTH)	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	TOLERANCES UNLESS OTHERWISE SPECIFIED			dr	duwa	2010/04/27	projection	MM	size	scale
tolerance std				eng	helen zhang	2012/07/23			A2	1:1
-				chr	-	-			ecn no	-
ASME Y14.5				opp	Pei-Ming Zheng	2012/07/23	product family		rel level	Released
	surface	linear	angular	0.0	±0.5					
				0.0X	±0.25					
				0.0XX	±0.10					
				ASME Y14.5	0°	±2°	www.fci.com	cat. no.	10106031	rev A

PDS: Rev :A STATUS:Released Printed: Jul 23, 2012

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