

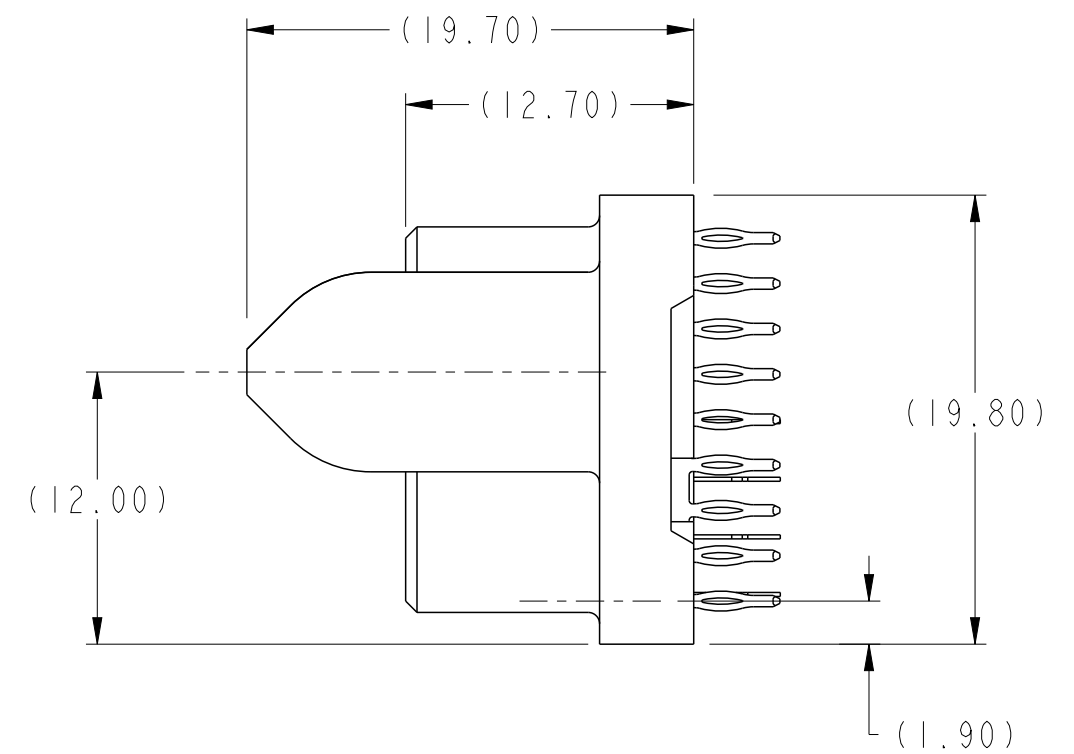
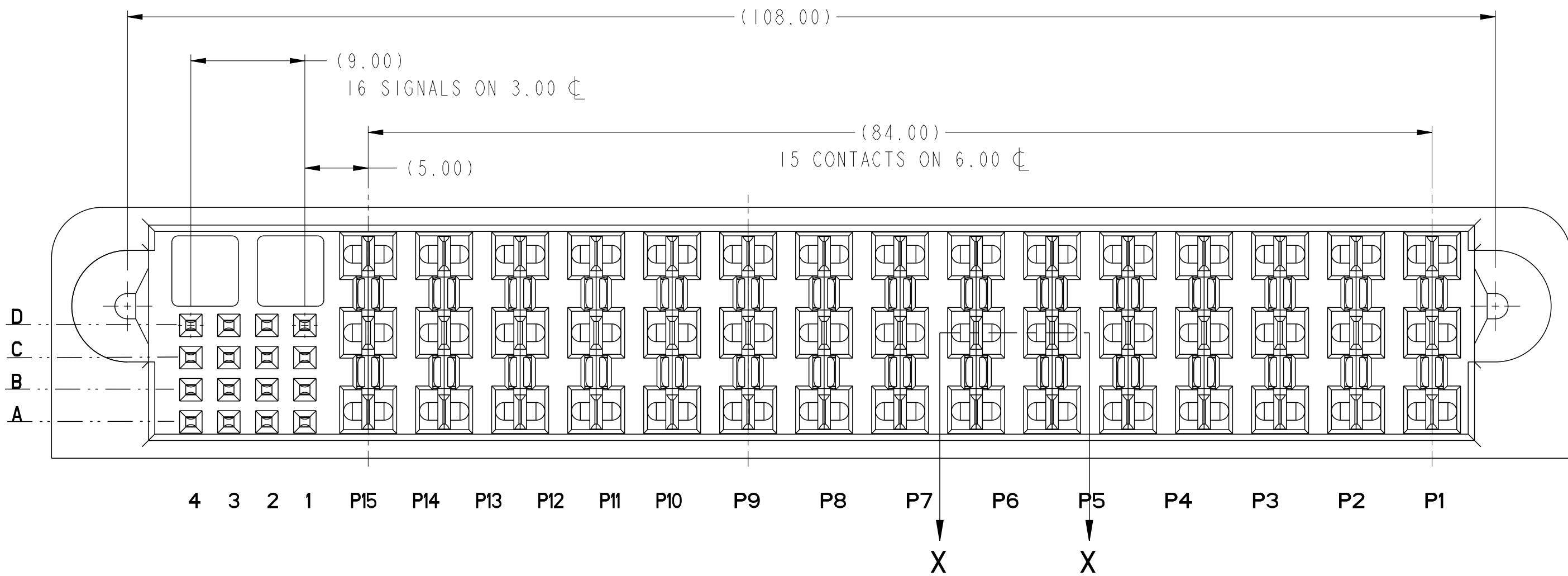
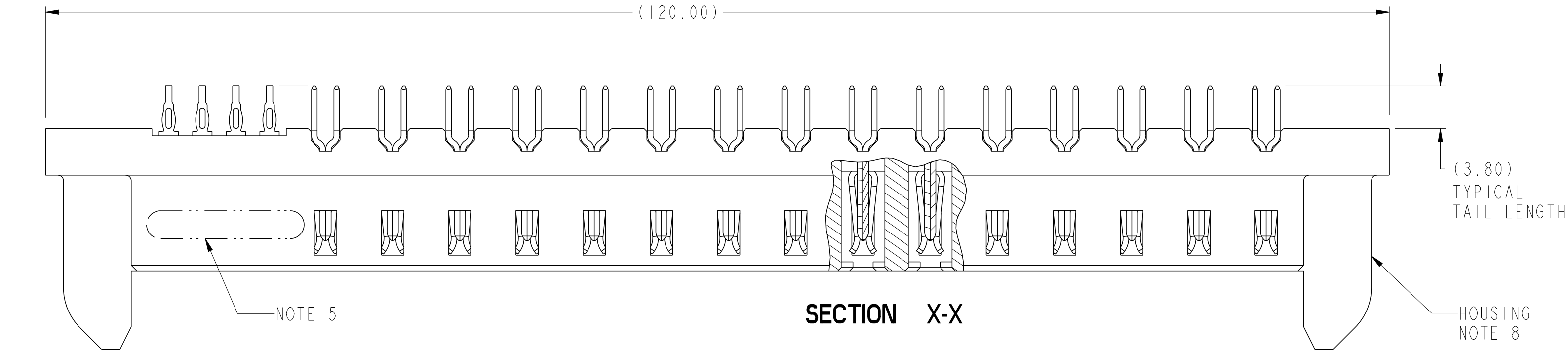
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4 3 2 1 P15 P14 P13 P12 P11 P10 P9 P8 P7 P6 P5 P4 P3 P2 P1

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spec ref	*	dr	DuWa	2010/04/28	projection	MM	size	A2	scale	3:1
tolerance std	-	eng	Helen Zhang	2012/07/23			ecn no	-	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-						
surface	✓	appr	Pei-Ming Zheng	2012/07/23						
ASME Y14.5	linear	0.X	±.5	0.XX	±.25	0.XXX	±.10	angular	0°	±2°
		www.fci.com		cat. no.		Product - Customer Drw		sheet 1 of 4		



VERT RECP ASSY 15DC-16S
HCI POWER CONNECTOR

10107012

A

PDS: Rev :A

STATUS:Released

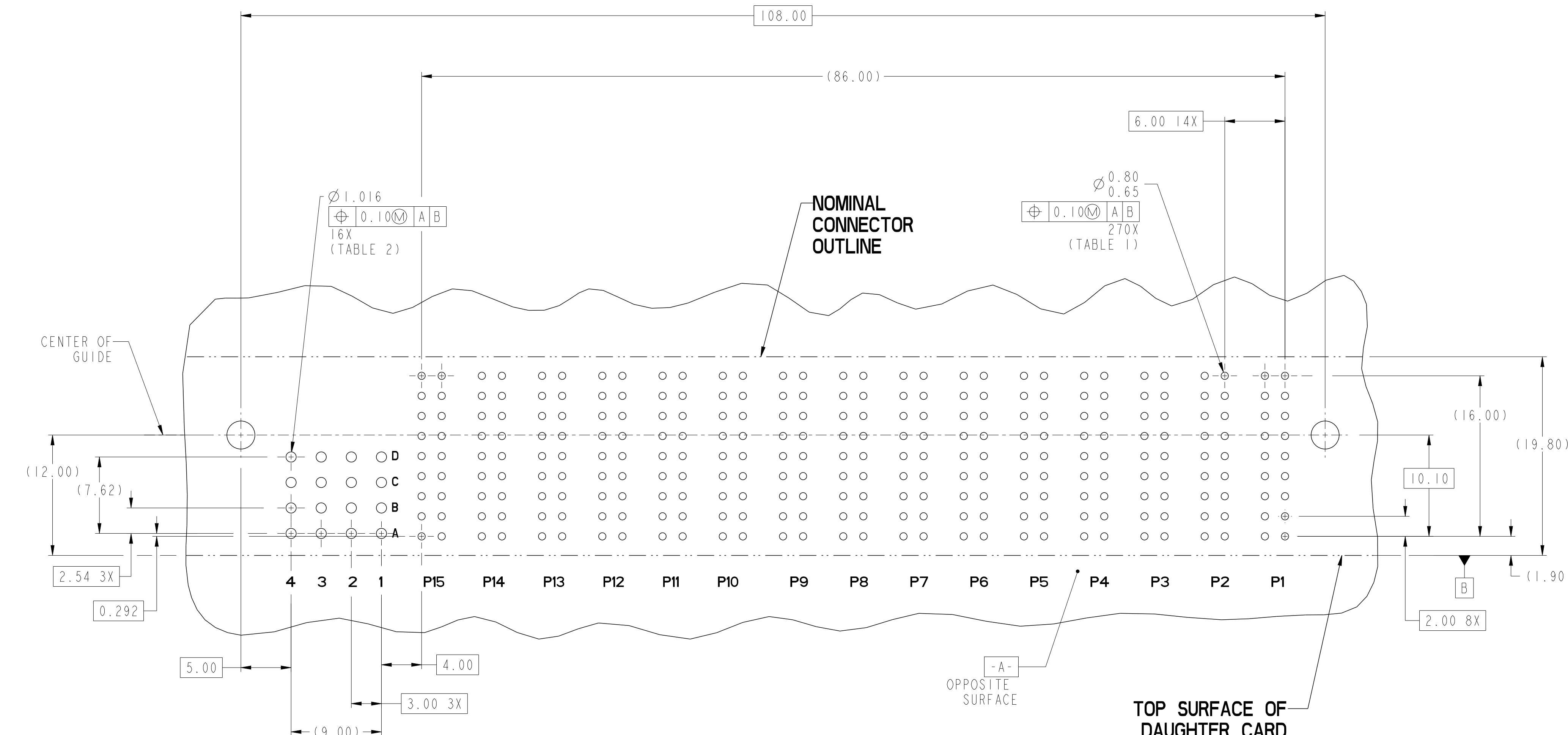
Printed: Jul 23, 2012

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RECOMMENDED PCB LAYOUT COMPONENT SIDE

NOTE 6

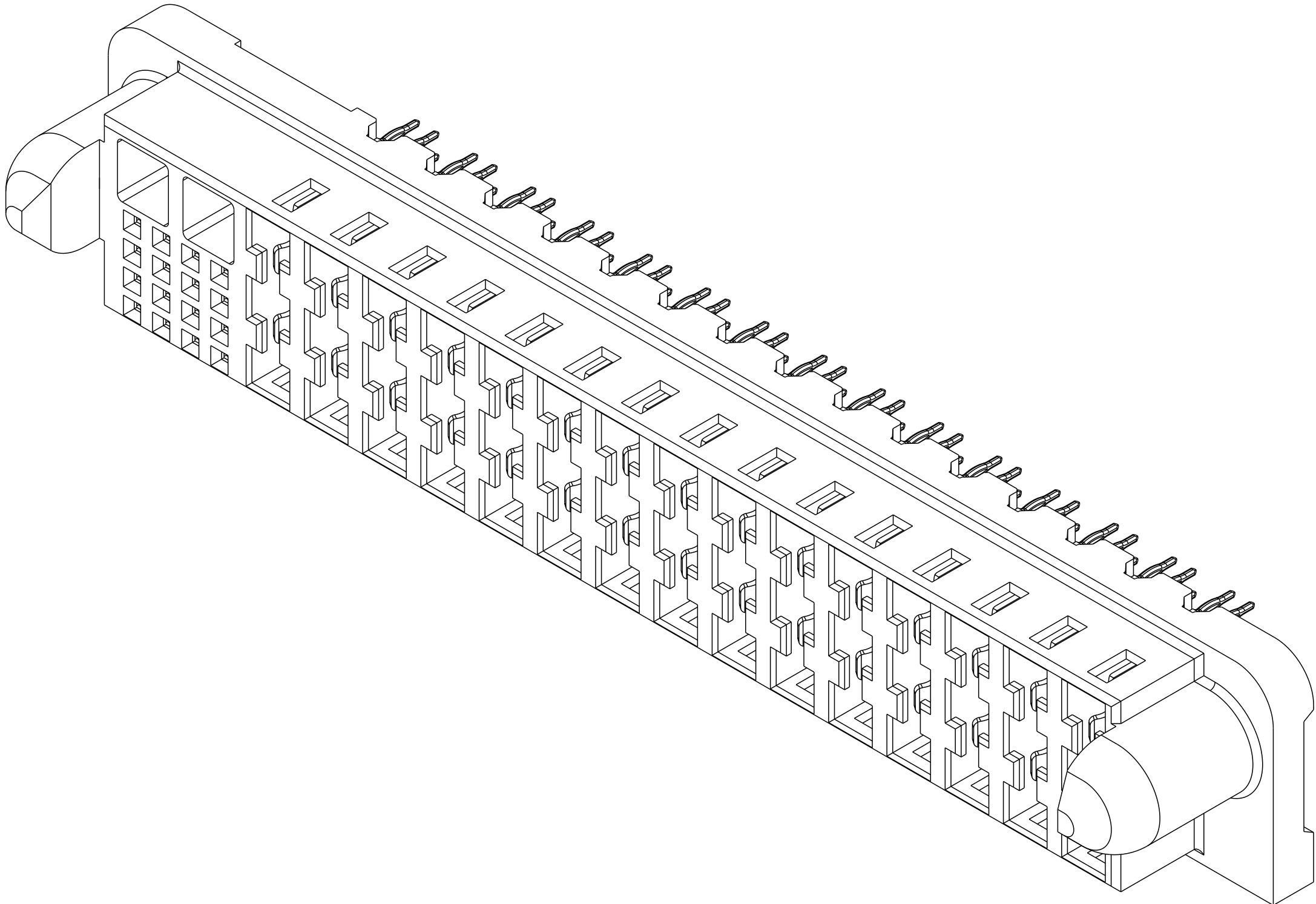
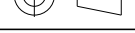
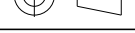
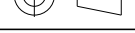
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PDS: Rev :A

STATUS:Released

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B	TOP LAYER DESCRIPTION	TABLE 1 (HCI POWER) PLATED THROUGH-HOLE REQUIREMENTS							B	
		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								C
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	FINISHED HOLE DIAMETER					
D	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
E										E
F									F	

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PART NUMBER		M2.5 SCREW NOTE 11		TAIL PLATING		TAIL TYPE																																																																																															
10107012-001		OPTIONAL		SnPb		PRESS-FIT																																																																																															
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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).																																																																																																					
<table><tr><td>spec ref</td><td colspan="3">*</td><td>dr</td><td>DuWa</td><td>2010/04/28</td><td rowspan="4"></td><td rowspan="4">MM</td><td>size</td><td>A2</td><td>scale</td><td>3:1</td></tr><tr><td>tolerance std</td><td colspan="3">-</td><td>eng</td><td>Helen Zhang</td><td>2012/07/23</td><td>ecn no</td><td>-</td></tr><tr><td>ASME Y14.5</td><td colspan="3">TOLERANCES UNLESS OTHERWISE SPECIFIED</td><td>chr</td><td>-</td><td>-</td><td>rel level</td><td>Released</td></tr><tr><td></td><td colspan="3"></td><td>appr</td><td>Pei-Ming Zheng</td><td>2012/07/23</td><td>product family</td><td>-</td></tr><tr><td>surface</td><td>✓</td><td>linear</td><td>0.X</td><td>±.5</td><td rowspan="3"></td><td colspan="4">title</td><td>VERT RECP ASSY 15DC-16S</td><td rowspan="3">dwg no</td><td>10107012</td><td rowspan="3">rev</td><td>A</td></tr><tr><td></td><td></td><td></td><td>0.XX</td><td>±.25</td><td colspan="4">HCI POWER CONNECTOR</td></tr><tr><td></td><td></td><td></td><td>0.XXX</td><td>±.10</td><td colspan="4"></td></tr><tr><td>ASME Y14.5</td><td></td><td>angular</td><td>0°</td><td>±2°</td><td>www.fci.com</td><td>cat. no.</td><td>-</td><td colspan="4">Product - Customer Drw</td><td colspan="3">sheet 4 of 4</td></tr></table>								spec ref	*			dr	DuWa	2010/04/28		MM	size	A2	scale	3:1	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	±.5		title				VERT RECP ASSY 15DC-16S	dwg no	10107012	rev	A				0.XX	±.25	HCI POWER CONNECTOR							0.XXX	±.10					ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 4 of 4			PDS: Rev :A		STATUS:Released		Printed: Jul 23, 2012	
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