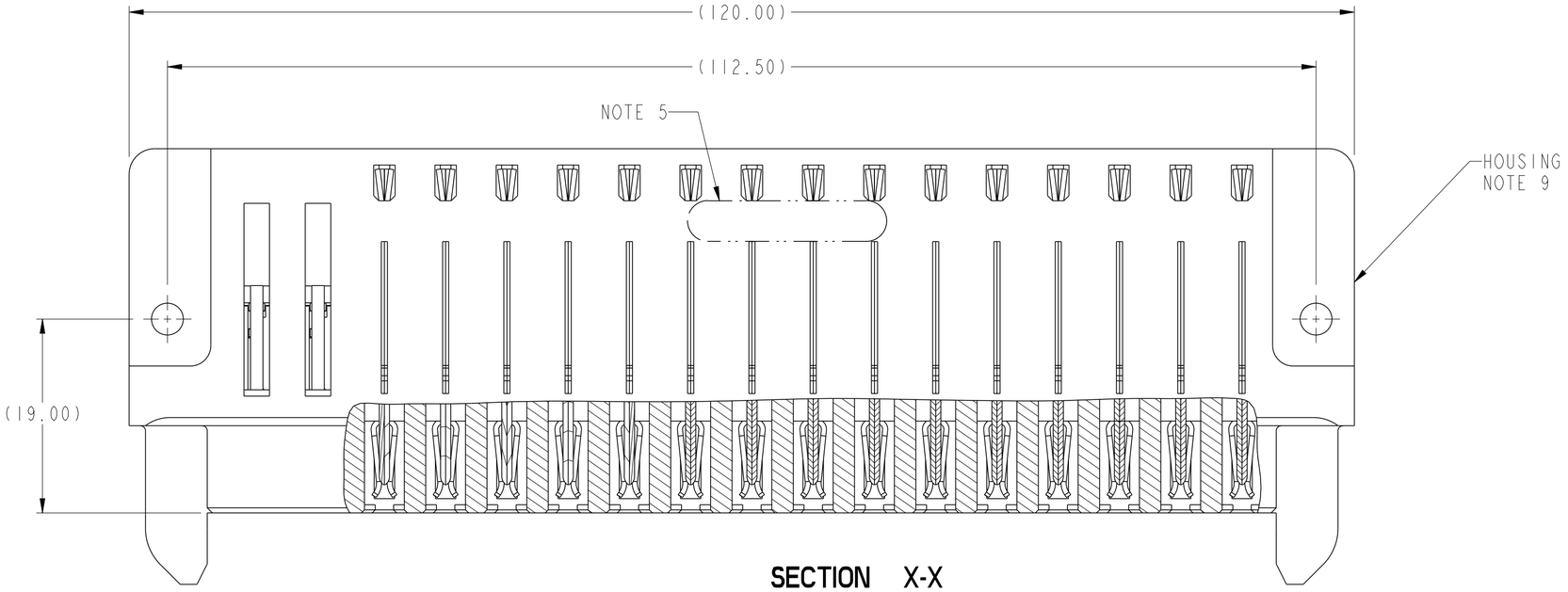
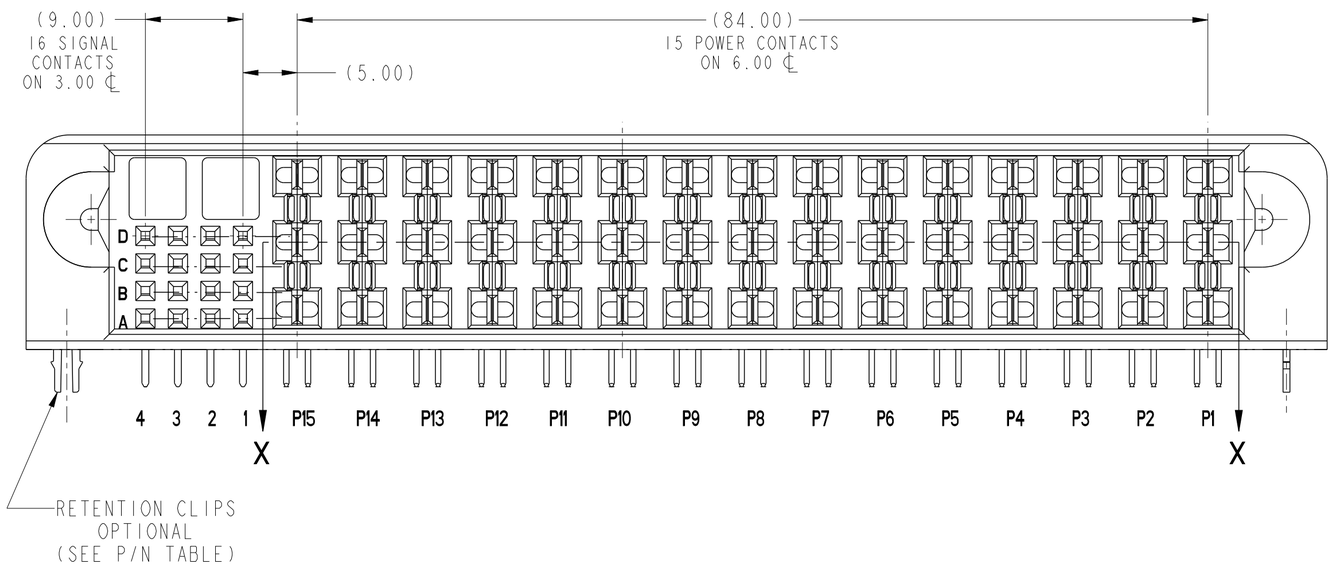
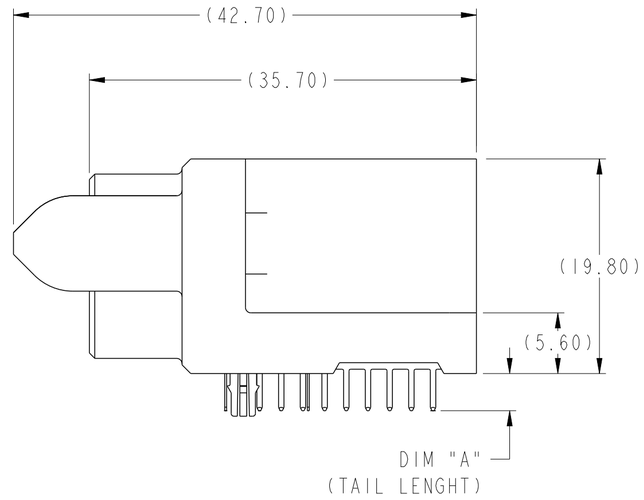


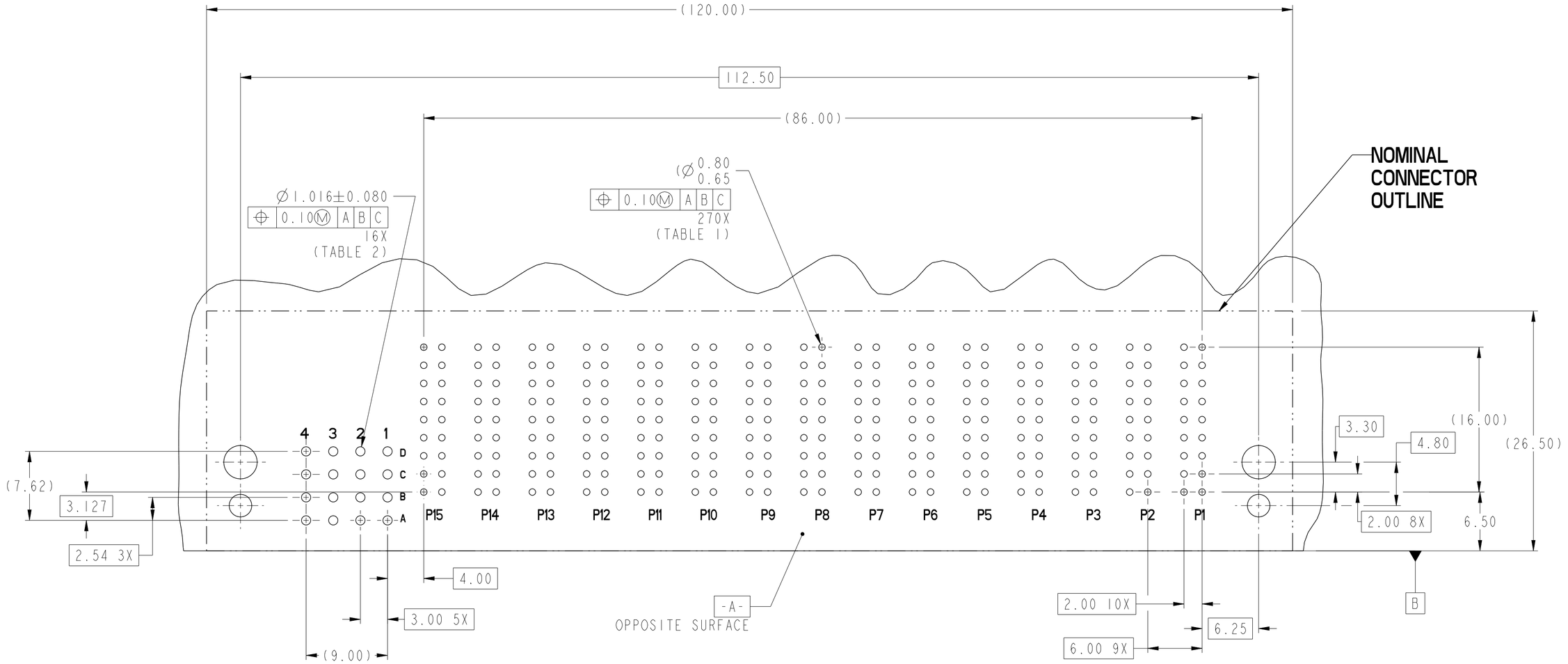
SECTION X-X





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

Copyright FCI.



RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTE 6

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

Copyright FCI.

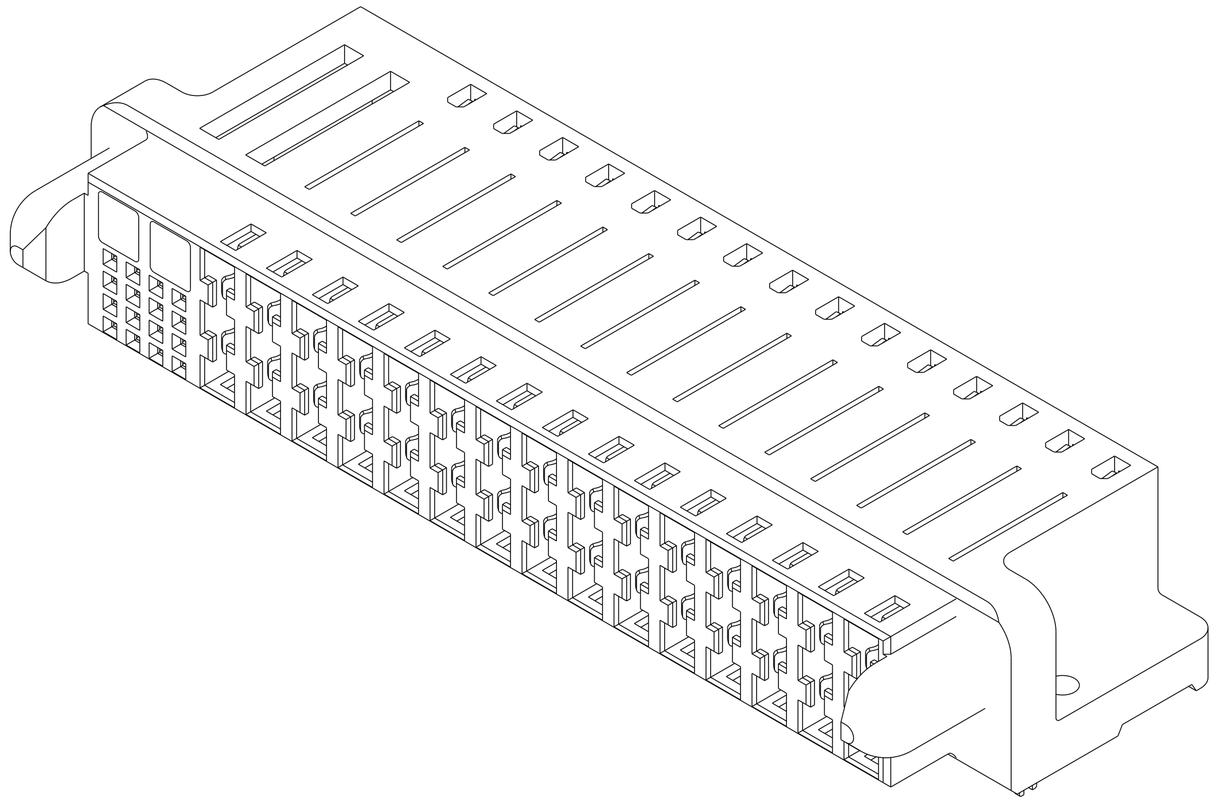
TOP LAYER DESCRIPTION	TABLE 1 (HCI POWER) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	0.65 - 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

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)

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

Copyright FCI.

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.

Copyright FCI.

spec ref	*		dr	DuWa	2010/04/27	projection	MM
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Helen Zhang	2012/07/23		
			chr	-	-		
			appr	Pei-Ming Zheng	2012/07/23		

size A2	scale 1:1						
ecn no -							
rel level Released							
surface - ASME Y14.5	linear	0.X	±0.5	FCI	title	R/A RECPT ASSY 15DC-16S	dwg no 10106031	rev A
		0.XX	±0.25			HCI POWER CONNECTOR		
		0.XXX	±0.10					
	angular	0°	±2°	www.fci.com	cat. no. -	Product - Customer Drw		sheet 4 of 4