

Copyright FCI.

spec ref	-	dr	Hai-Ling Liu	2015/07/10	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Hai-Ling Liu	2015/11/03		mm	ecn no	ELX-DG-22374-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2015/11/11						
surface	ISO 1302	appr	Pei-Ming Zheng	2015/11/11	product family		rel level	Released	rev	B
	linear	0.X	±0.5		title		HPCE VERTICAL RECEPT 4HP2LP12S	dwg no 10136152	sheet 1 of 4	
		0.XX	±0.25		cat. no.				Product - Customer Drw	
	angular	0°	±2°		www.fci.com					

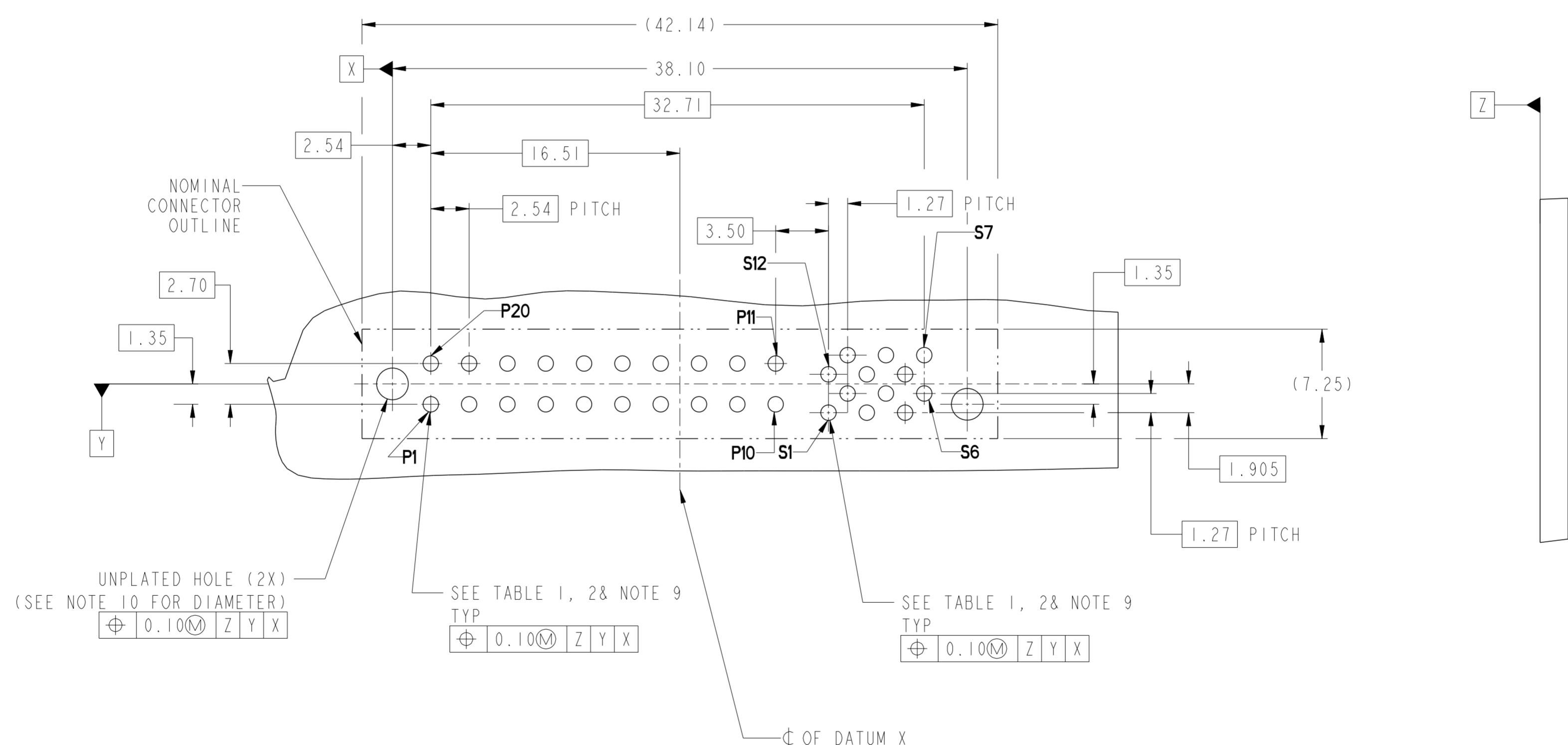
PDS: Rev :B

STATUS:Released

Printed: Nov 12, 2015

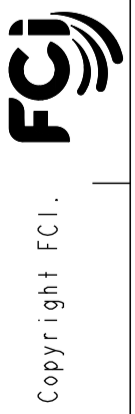
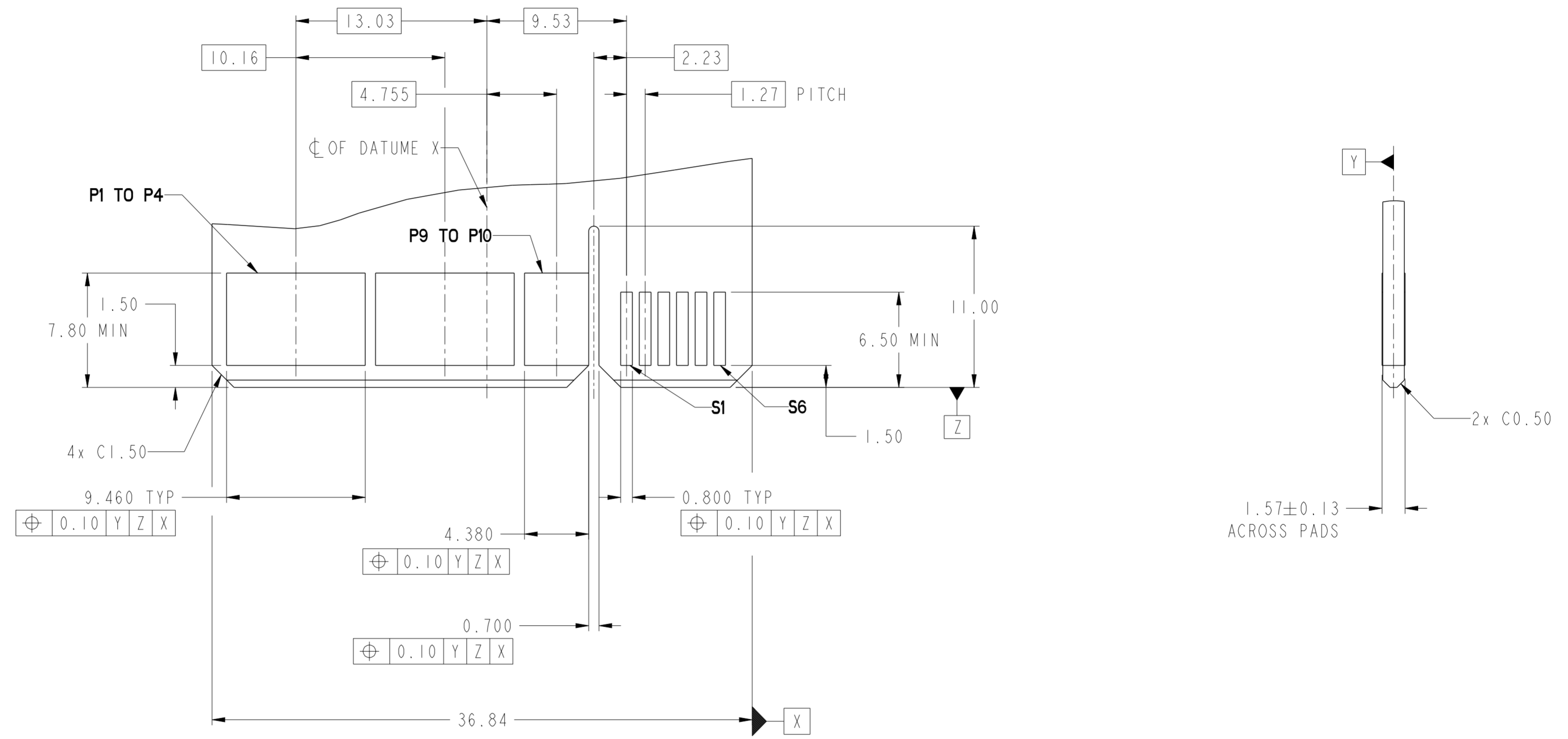
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	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
	COPPER (SEE NOTE 8)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80





spec ref	-	dr	Hai-Ling Liu	2015/07/10	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Hai-Ling Liu	2015/11/03			ecn no	ELX-DG-22374-1	rel level	Released
surface	ISO 1302	chr	Terris Liu	2015/11/11						
TOLERANCES UNLESS OTHERWISE SPECIFIED linear: 0.X ±0.5, 0.XX ±0.25, 0.XXX ±0.10 angular: 0° ±2°		appr	Pei-Ming Zheng	2015/11/11			title: HPCE VERTICAL RECEPT 4HP2LP12S	dwg no: 10136152	rev: B	
www.fci.com		cat. no.		Product - Customer Drw			sheet 2 of 4			

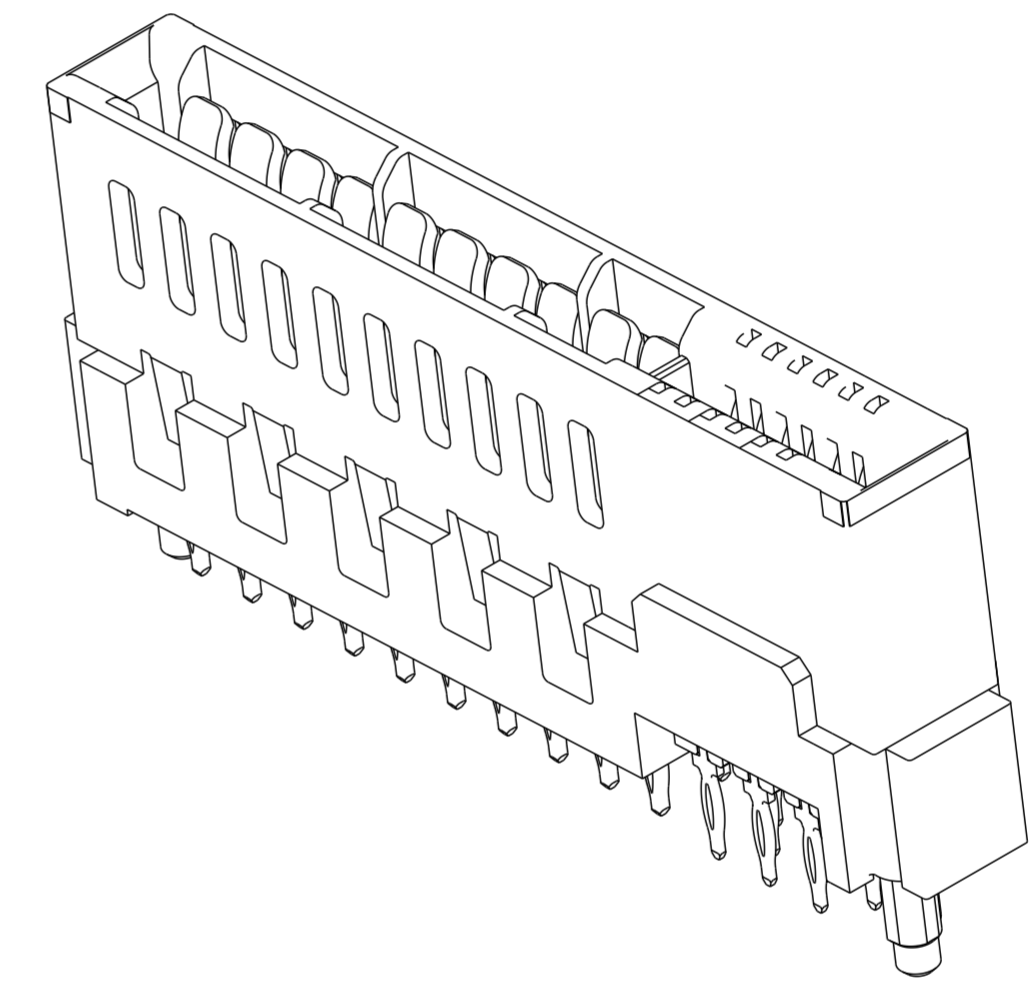
Copyright FCI.



spec ref	-	dr	Hai-Ling Liu	2015/07/10	projection	mm	size	A2	scale	1:1	
tolerance std	ISO 406 ISO 1101	eng	Hai-Ling Liu	2015/11/03			ecn no	ELX-DG-22374-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2015/11/11							product family
surface	ISO 1302	appr	Pai-Ming Zheng	2015/11/11			title HPCE VERTICAL RECEPT 4HP2LP12S		dwg no 10136152	rev B	
linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.10	www.fci.com		cat. no.	Product - Customer Drw		sheet 3 of 4				
angular	0° ±2°										

HPCE PART NUMBER (TABLE 3)

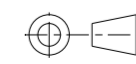
PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH FOR POWER CONTACT	DIM "B" TYPICAL TAIL LENGTH FOR SIGNAL CONTACT	DIM "C" RECOMMENDED BOARD THICKNESS
10136152-001LF	SOLDER	YES	3.17 ±0.25	3.17 ±0.25	2.36
10136152-002LF	SOLDER	NO			
10136152-003LF	PRESS-FIT	YES	3.17±0.25	3.17 ±0.25	1.57 MIN
10136152-004LF	PRESS-FIT	NO			
10136152-005LF 	SOLDER	YES	4.05±0.25	3.75 ±0.25	3.20
10136152-006LF 	SOLDER	NO			



NOTES:

- CONNECTOR MATERIALS:
 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK
 UL 94V-0 COMPLIANT
 CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
- CONTACT FINISH REF. GS-12-604 SECTION 5.2.
- PRODUCT SPECIFICATION: GS-12-604.
- APPLICATION SPECIFICATION: GS-20-128.
- PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS FCI SPECIFICATION GS-24-007
- PACKAGING MEETS FCI SPECIFICATION GS-14-937.
- ALL HOLE SIZES ARE FINISHED HOLE SIZES.
- MOUNTING HOLES ARE UNPLATED
 Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS
 Ø 2.18 +/- 0.03 FOR SOLDER TAILS
- PRESS FIT APPLICATION TOOL DRAWING : 10119453.

Copyright FCI. FCI

spec ref	-	dr	Hai-Ling Liu	2015/07/10	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Hai-Ling Liu	2015/11/03		mm	ecn no	ELX-DG-22374-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2015/11/11						
surface	ISO 1302	appr	Pei-Ming Zheng	2015/11/11	product family		dwg no	10136152	rev	B
	linear	0.X	±0.5		www.fci.com		cat. no.	Product - Customer Drw		sheet 4 of 4
		0.XX	±0.25		FCI		title	HPCE VERTICAL RECEPT		
		0.XXX	±0.10		www.fci.com		cat. no.	Product - Customer Drw		sheet 4 of 4
	angular	0°	±2°		www.fci.com		cat. no.	Product - Customer Drw		sheet 4 of 4

PDS: Rev :B

STATUS:Released

Printed: Nov 12, 2015