

spec ref	-	dr	Hai-Ling Liu	2015/03/13	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Hai-Ling Liu	2016/02/04			ecn no	ELX-DG-23219-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	rel level				Released		
surface	ISO 1302	appr	Pei-Ming Zheng	2016/02/04	product family		rel level	Released		
linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.1			title	HPCE VERT		dwg no	10133888		
angular	0° ±2°	www.fci.com	cat. no.	Product - Customer Draw		sheet 1 of 4	rev	B		

PDS: Rev :B

STATUS:Released

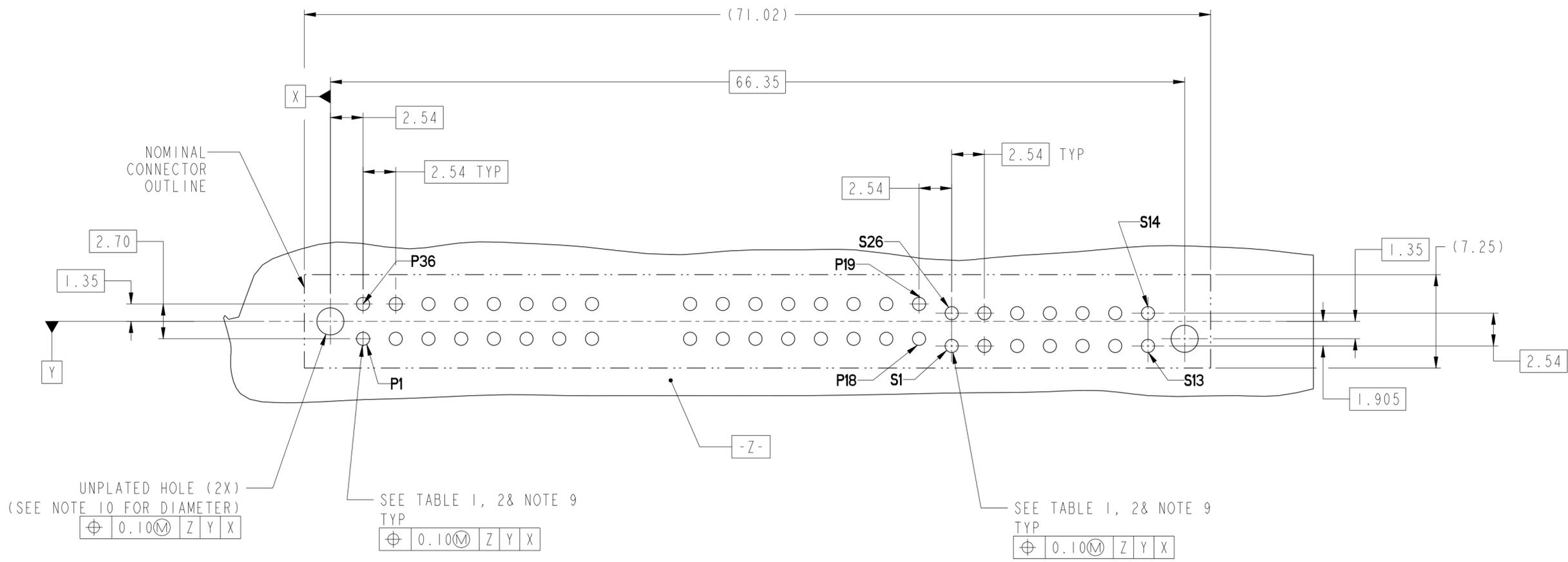
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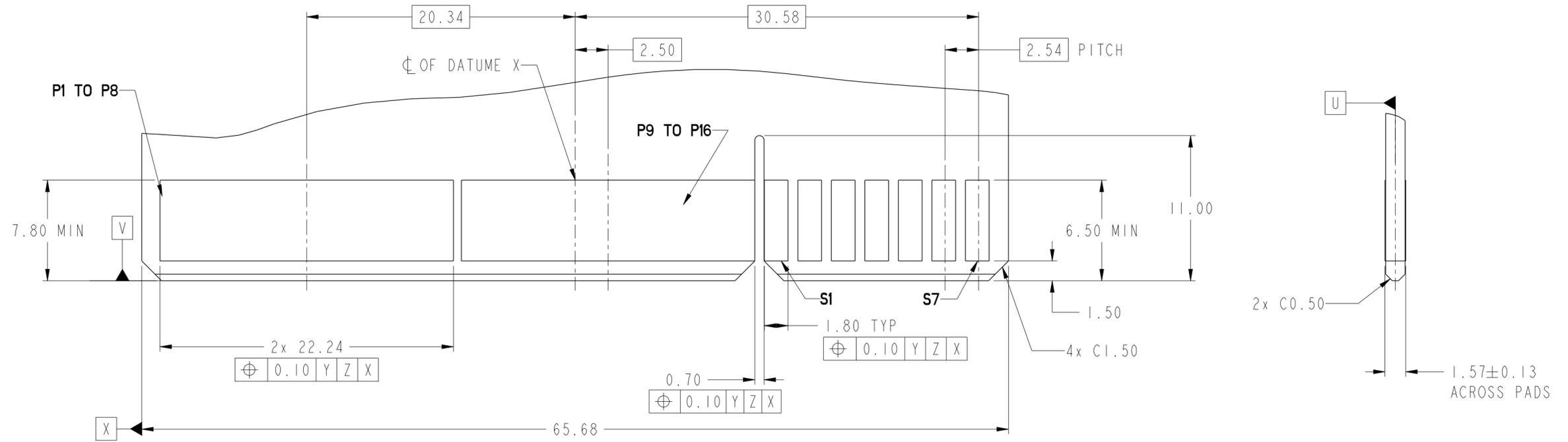
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN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



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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	app							Pai-Ming Zheng	2016/02/04	product family
surface	ISO 1302	linear	0.X	±0.5		<b>HPCE VERT</b> 36P26S OMITTED 4P AND 12S	cat. no.	Product - Customer Drw	sheet 2 of 4	title	10133888	rev	B
		angular	0°	±2°						www.fci.com	drg no	drg no	



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tolerance std	ISO 406 ISO 1101	eng	Hai-Ling Liu	2016/02/04			ecn no	ELX-DG-23219-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	rel level			Released				
surface	ISO 1302	appr	Pai-Ming Zheng	2016/02/04	product family		dlg no	10133888		rev	B
	linear	0.X	±0.5								
		0.XX	±0.25								
		0.XXX	±0.1								
	angular	0°	±2°								
		www.fci.com		cat. no.	Product - Customer Drw		sheet 3 of 4				

HPCE PART NUMBER (TABLE 3) NOT TOOLED

PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10133888-001LF	SOLDER	YES	3.17 ±0.25	2.36±0.13
10133888-002LF	SOLDER	NO		
10133888-003LF	PRESS-FIT	YES	3.17±0.25	1.57 MIN
10133888-004LF	PRESS-FIT	NO		

NOTES:

1. CONNECTOR MATERIALS:

HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK  
UL 94V-0 COMPLIANT  
CONTACTS: HIGH PERFORMANCE COPPER ALLOY.

2. CONTACT FINISH REF. GS-12-604 SECTION 5.2.

3. PRODUCT SPECIFICATION: GS-12-604.

4. APPLICATION SPECIFICATION: GS-20-128.

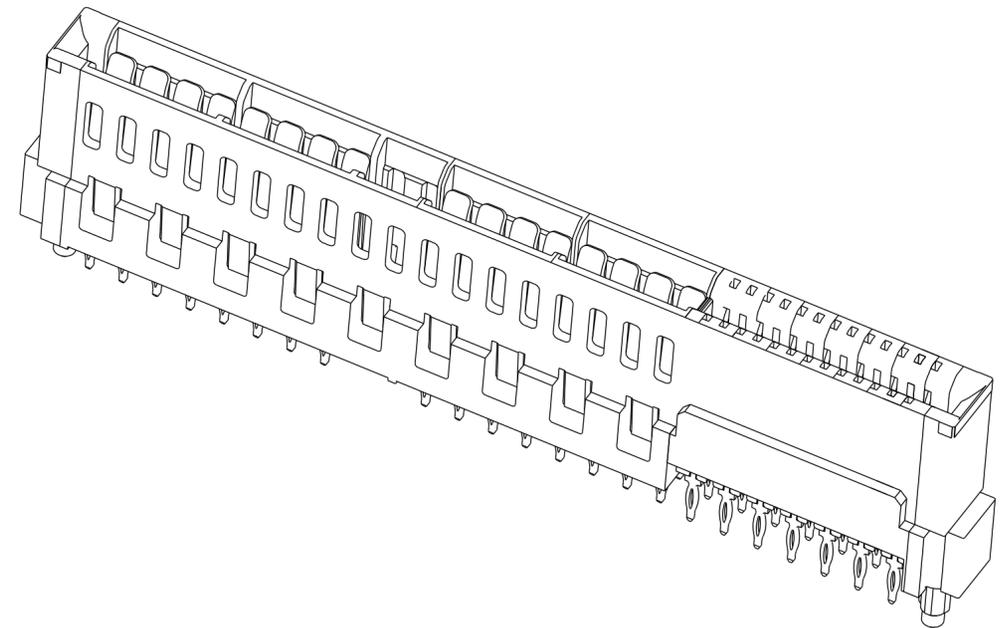
5. PRODUCT MARKING ON HOUSING IN AREA SHOWN SHOULD MEET FCI SPECIFICATION GS-24-007.

6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.

7. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

8. MOUNTING HOLES ARE UNPLATED  
 $\varnothing$  2.40 +/- 0.1 FOR PRESS-FIT TAILS  
 $\varnothing$  2.10 +/- 0.03 FOR SOLDER TAILS

9. PRESS FIT APPLICATION TOOL DRAWING : 10119453.



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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	2016/02/04			product family	rel level	Released	
surface	ISO 1302	appr	Pei-Ming Zheng	2016/02/04			title	HPCE VERT	dwg no	10133888
	linear	0.X	±0.5	www.fci.com		cat. no.	Product - Customer Drw		rev	B
		0.XX	±0.25					sheet 4 of 4		
		0.XXX	±0.1							
	angular	0°	±2°							

