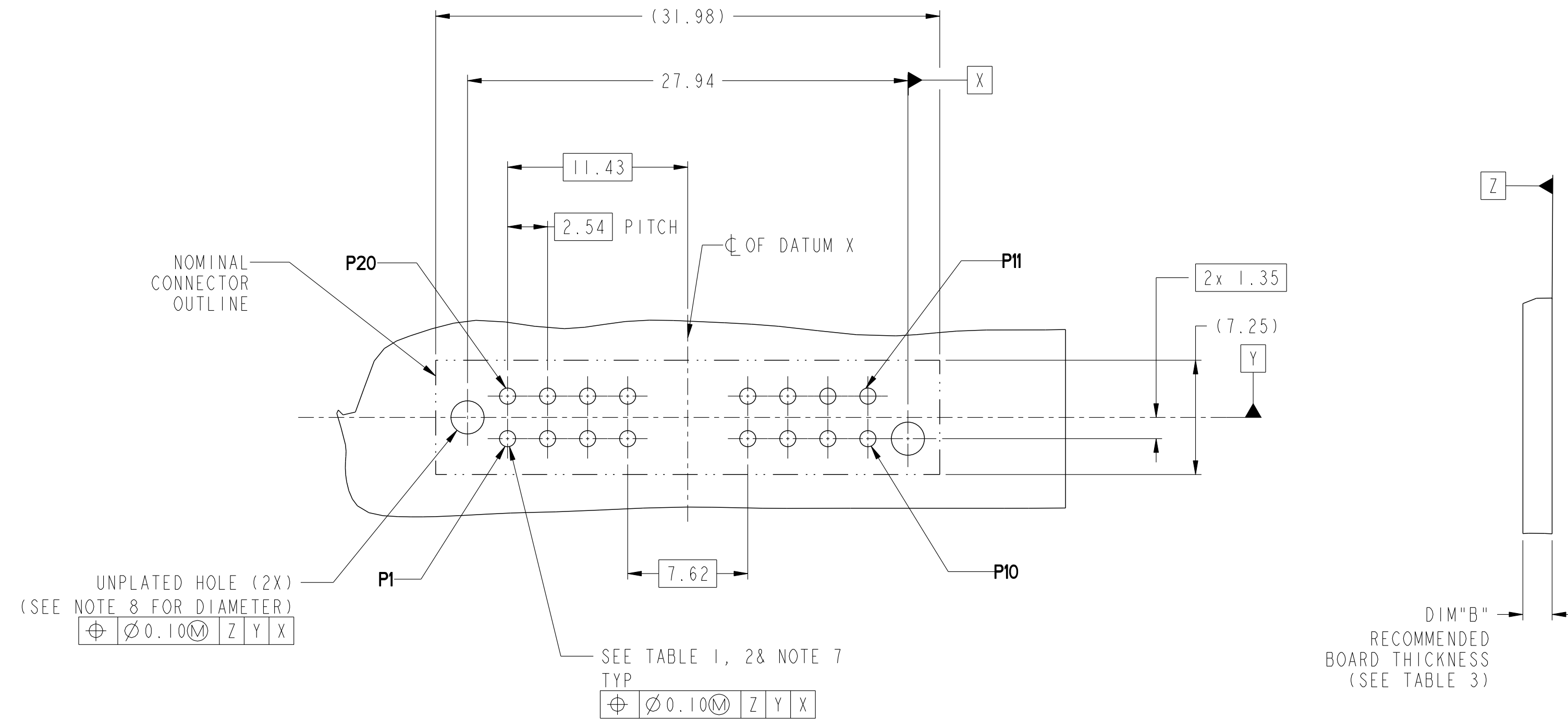


spec ref	-	dr	Hai-Ling Liu	2015/10/26	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2015/11/02			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2015/11/02						
surface	ISO 1302	appr	Pei-Ming Zheng	2015/11/02	product family		dwg no	10137513	rev	A
	linear	0.X	±0.5							
		0.XX	±0.25							
		0.XXX	±0.10							
	angular	0°	±2°							
		www.fci.com		cat. no.	Product - Customer Drw		sheet 1 of 4			



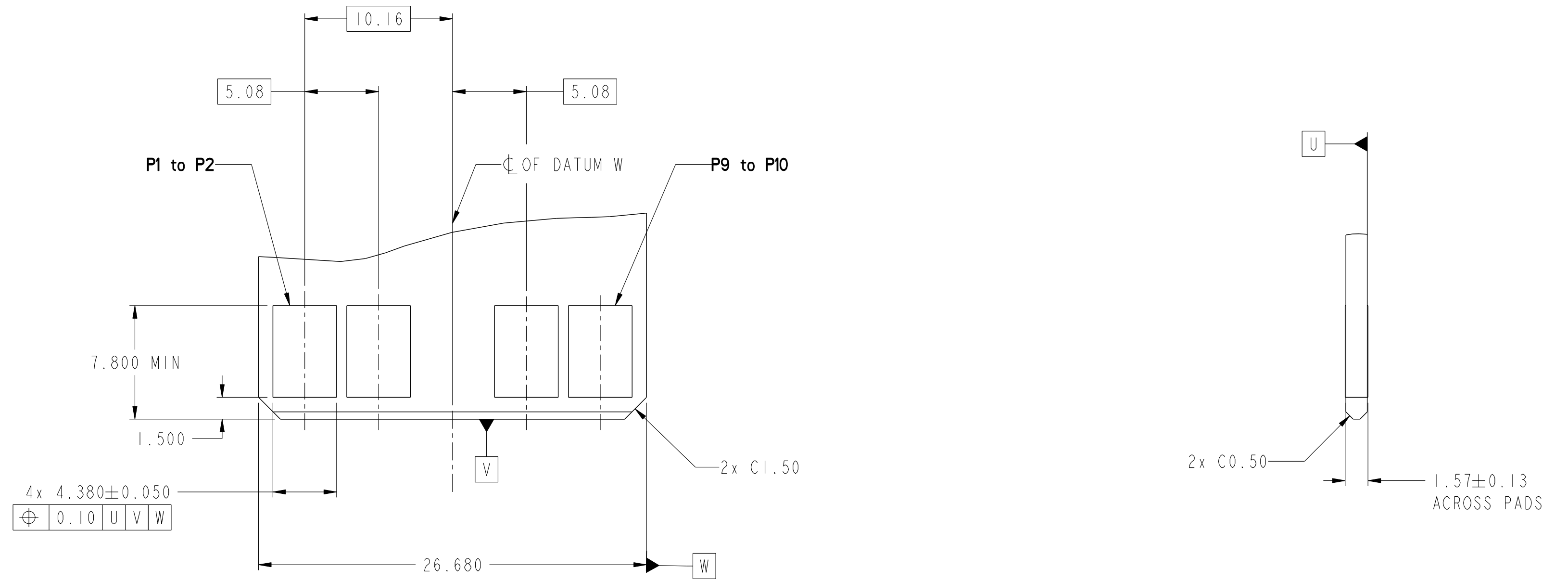
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER	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	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80

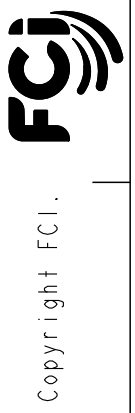


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spec ref	-	dr	Hai-Ling Liu	2015/10/26	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2015/11/02			ecn no	-	rel level	Released
surface	linear 0.X ±0.5 0.XX ±0.25 0.XXX ±0.10	chr	Terris Liu	2015/11/02						
		appr	Pei-Ming Zheng	2015/11/02						
ISO 1302	angular 0° ±2°				product family	HPCE VERTICAL RECEPT	cat. no.	10137513	rev	A
www.fci.com							Product - Customer Drw	sheet 2 of 4		



4x 4.380 ± 0.050
⊕ 0.10 U V W



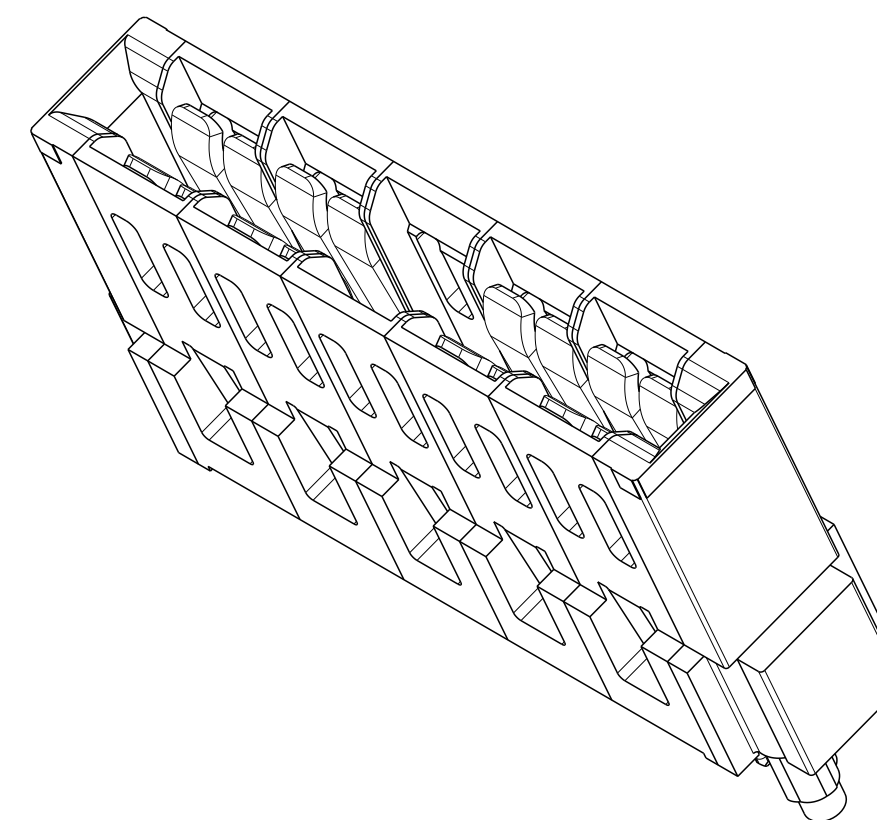
spec ref	-	dr	Hai-Ling Liu	2015/10/26	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2015/11/02			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2015/11/02						
surface	ISO 1302	appr	Pei-Ming Zheng	2015/11/02	product family		dwg no	10137513	rev	A
	linear	0.X	±0.5		www.fci.com		cat. no.	Product - Customer Drw	sheet 3 of 4	
		0.XX	±0.25		FCI		title	HPCE VERTICAL RECEPT		
		0.XXX	±0.10		www.fci.com		title	10LP OMITTED 2LP		
	angular	0°	±2°		www.fci.com		cat. no.	Product - Customer Drw	sheet 3 of 4	

HPCE PART NUMBER (TABLE 3)

PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10137513-001LF	SOLDER	NO	3.17 ±0.25	2.36±0.13
10137513-002LF	PRESS-FIT	NO	3.17 ±0.25	1.57 MIN

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.



spec ref	-	dr	Hai-Ling Liu	2015/10/26	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2015/11/02			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2015/11/02						
surface	ISO 1302	appr	Pei-Ming Zheng	2015/11/02	product family		dwg no	10137513	rev	A
	linear	0.X	±0.5				title HPCE VERTICAL RECEPT 10LP OMITTED 2LP		Product - Customer Drw	
	angular	0°	±2°		www.fci.com	cat. no.	sheet 4 of 4			

