

spec ref	-	dr	Hai-Ling Liu	2016/02/17	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Hai-Ling Liu	2016/06/08		mm	ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/06/08						
surface	linear	0.X	±0.5		product family		cat. no. Product - Customer Draw	sheet 1 of 4	rev A	
		0.XX	±0.25		HPCE VERT RECEPT					
		0.XXX	±0.10		2HP6LP2HP20S LOW HF					
	angular	0°	±2°	2HP6LP2HP20S LOW HF		dwg no 10138764				

PDS: Rev :A

STATUS:Released

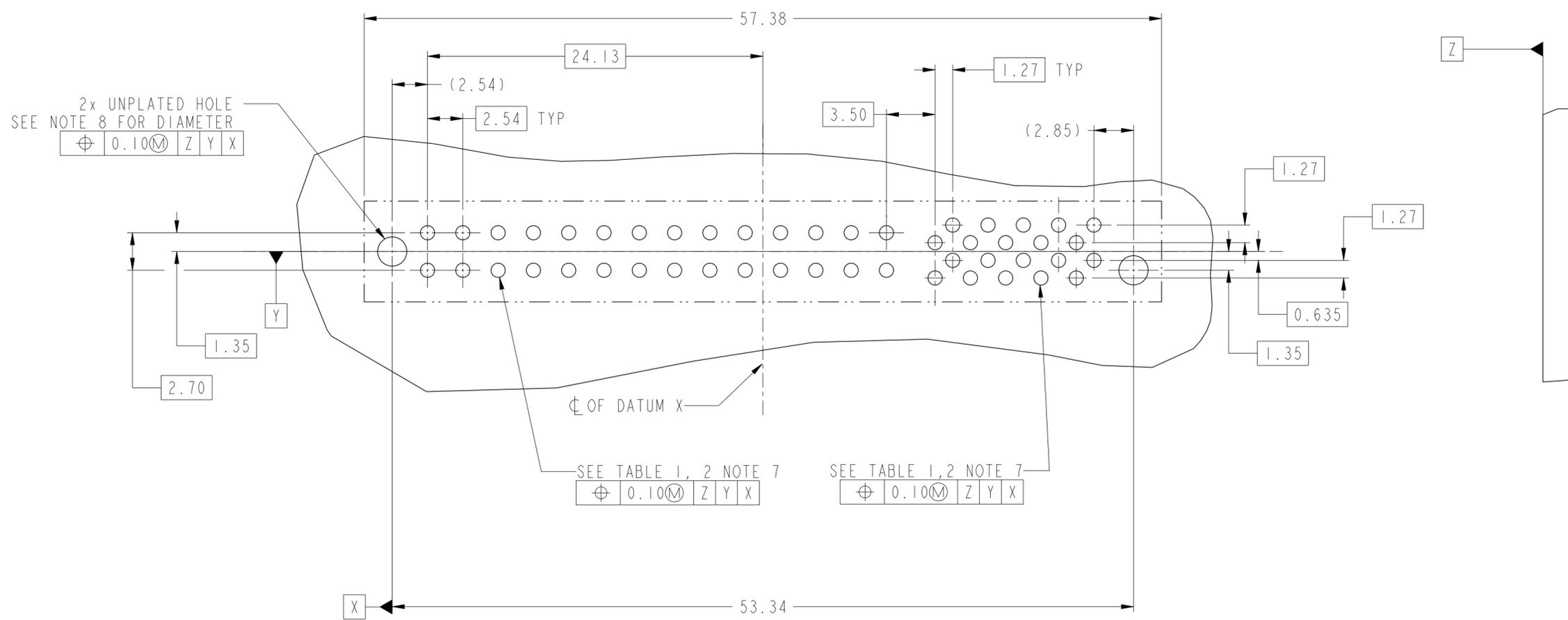
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CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025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

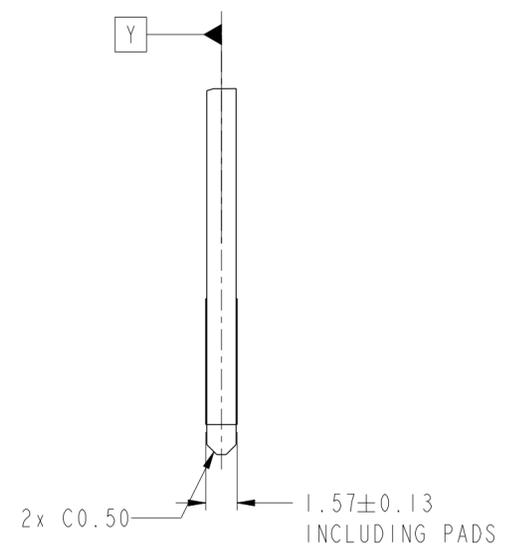
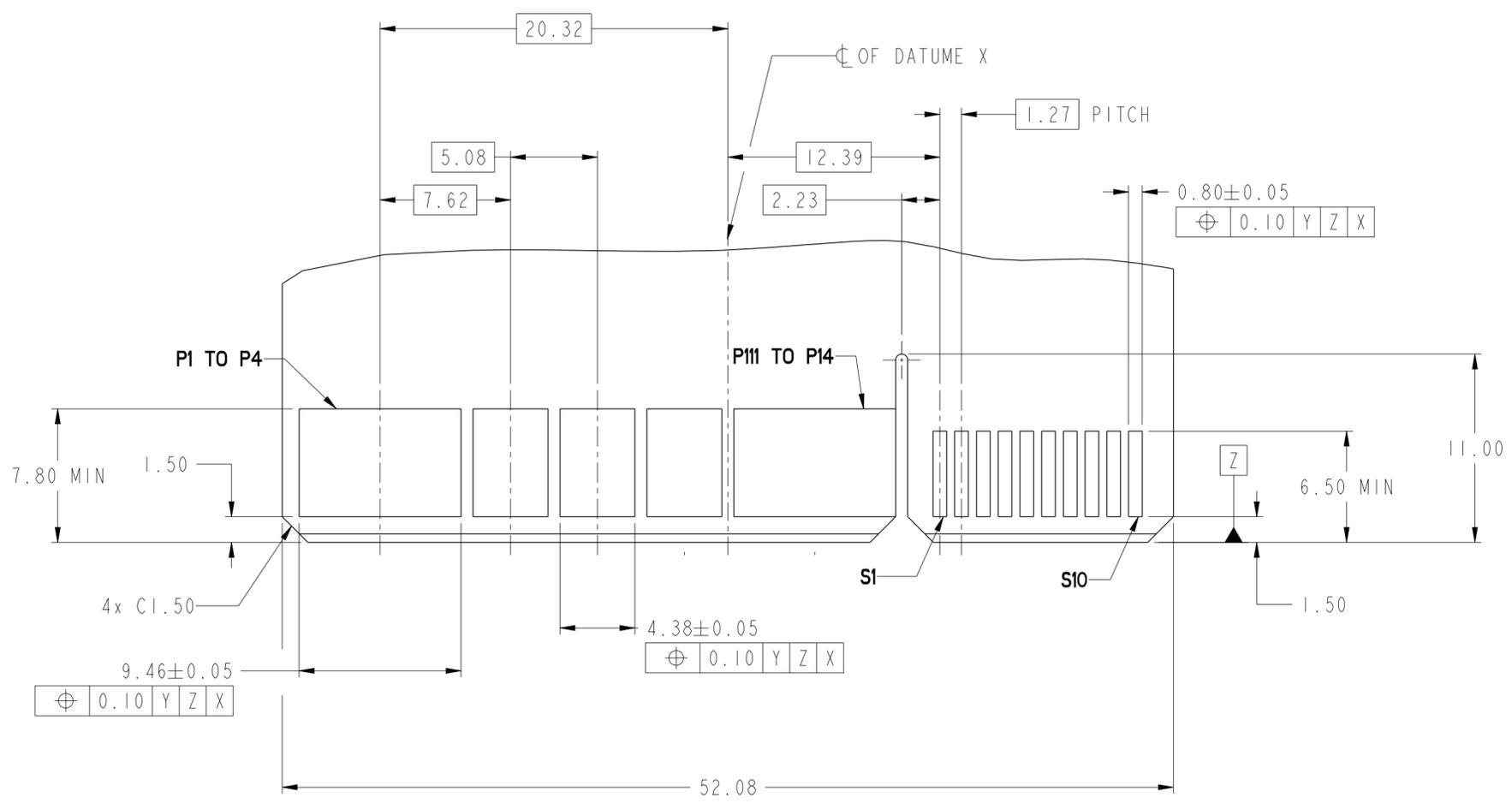
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION 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	Terris Liu	2016/06/08						
surface	linear	0.X	±0.5		product family	HPCE VERT RECEPT 2HP6LP2HP20S LOW HF	dwg no 10138764	rev A	cat. no. Product - Customer Drw	sheet 2 of 4
		0.XX	±0.25							
	angular	0°	±2°							

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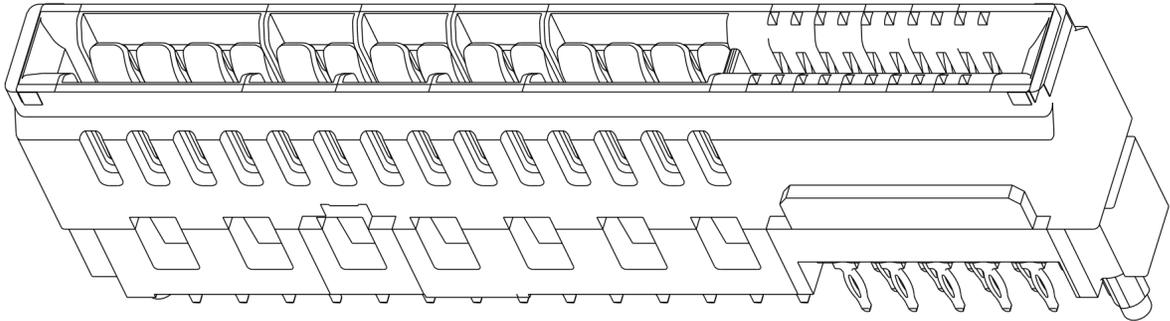
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tolerance std	ISO 406 ISO 1101	eng	Hai-Ling Liu	2016/06/08			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/06/08						
surface	ISO 1302	appr	Pai-Ming Zheng	2016/06/08	product family		cat. no.	Product - Customer Drw	sheet 3 of 4	
	linear	0.X	±0.5		title		HPCE VERT RECEPT	dwg no 10138764	rev A	
		0.XX	±0.25		2HP6LP2HP20S LOW HF					
	angular	0.XXX	±0.10							
		0°	±2°							

HPCE PART NUMBER (TABLE 3)

PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10138764-001HFLF	SOLDER	YES	3.17 ±0.25	2.36±0.13
10138764-002HFLF	SOLDER	NO		
10138764-003HFLF	PRESS-FIT	YES	3.17±0.25	1.57 MIN
10138764-004HFLF	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 MEETS 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
 Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS
 Ø 2.18 +/- 0.03 FOR SOLDER TAILS
9. PRESS FIT APPLICATION TOOL DRAWING : 10119453.

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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/06/08						
surface	linear	0.X	±0.5		product family		title HPCE VERT RECEPT 2HP6LP2HP20S LOW HF	dwg no 10138764	rev A	
		0.XX	±0.25		cat. no.	Product - Customer Drw				sheet 4 of 4
	angular	0°	±2°							

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