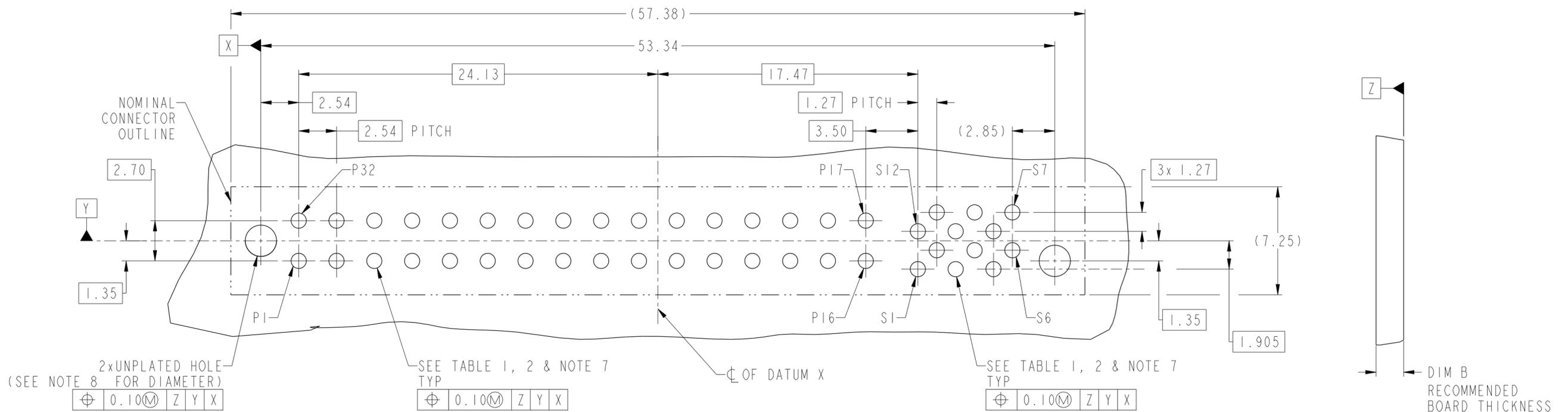


spec ref	-	dr	Sunny2 Liu	2016/06/21	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/07/14			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/07/14						
surface	linear	0.X	±0.50		product family		HPCE		dwg no 10140116	rev A
		0.XX	±0.25		HPCE VT RECET		-			
		0.XXX	±0.10		4LP6HP12S		-			
ASME Y14.5	angular	0°	±2°	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

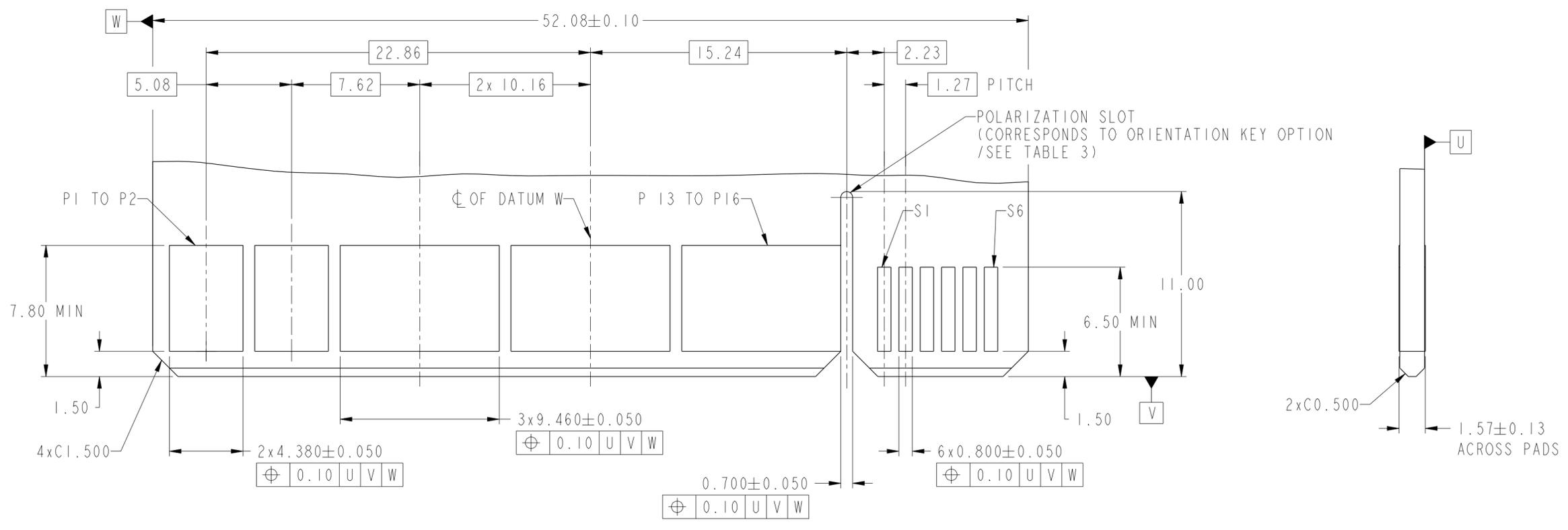


RECOMMENDED HOST BOARD LAYOUT
DIMENSION TOLERANCE IS 0.05MM

spec ref	-	dr	Sunny2 Liu	2016/06/21	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/07/14			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/07/14						
surface		appr	Pai-Ming Zheng	2016/07/14						
linear	0.X ±0.50 0.XX ±0.25 0.XXX ±0.10			title HPCE VT RECET 4LP6HP12S		product family	cat. no.	Product - Customer Drw	sheet 2 of 4	
angular	0° ±2°	rev A		status: Released		printed: Jul 14, 2016		rev A		

Amphenol FCI

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RECOMMENDED MATING BOARD LAYOUT
DIMENSION TOLERANCE IS 0.05MM

Amphenol
FCi

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spec ref	-	dr	Sunny2 Liu	2016/06/21	projection	MM	size	A2	scale	1:1	
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/07/14			ecn no	-	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/07/14							
		appr	Pai-Ming Zheng	2016/07/14							
surface	ASME Y14.5	linear	0.X	±0.50			title	HPCE VT RECET		dwg no 10140116	rev A
		angular	0°	±2°	cat. no.		Product - Customer Drw		sheet 3 of 4		

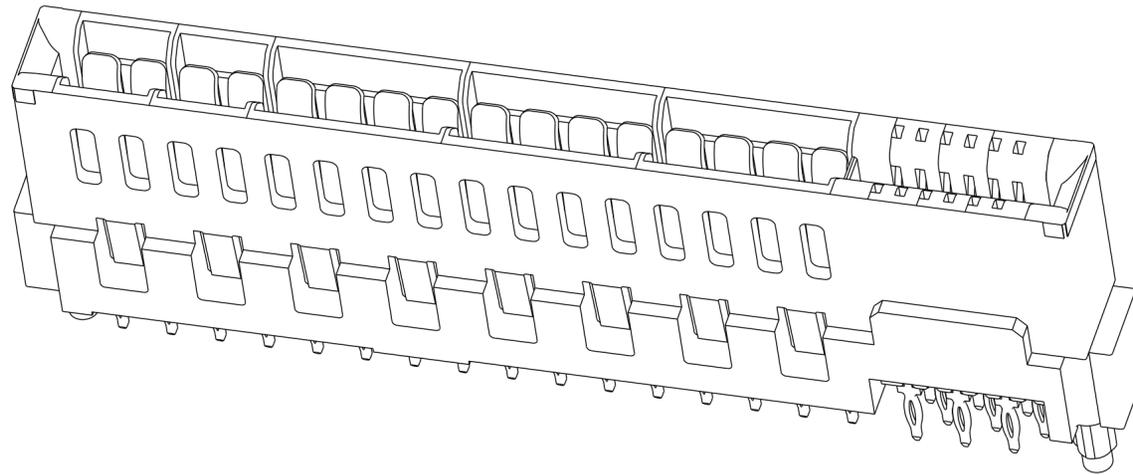
PDS: Rev :A

STATUS:Released

Printed: Jul 14, 2016

HPCE PART NUMBER (TABLE 3)

PART NUMBER	TAIL TYPE	ORIENTATION KEY	TAIL LENGTH	DIM B RECOMMENDED BOARD THICKNESS
10140116-001LF	SOLDER	YES	3.17 ±0.25	2.36±0.13
10140116-002LF		NO		
10140116-003LF	PRESS FIT	YES		1.57 MIN
10140116-004LF		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 AFCI 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.

spec ref	-	dr	Sunny2 Liu	2016/06/21	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/07/14			ecn no	-		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/07/14			rel level	Released		
		appr	Pei-Ming Zheng	2016/07/14			product family	HPCE		
surface	linear	0.X	±0.50		title HPCE VT RECET 4LP6HP12S		dwg no	10140116	rev	A
		0.XX	±0.25		cat. no.	-	Product - Customer Drw	sheet 4 of 4		
	angular	0°	±2°							