

spec ref	-	dr	Feng Zheng	2017/04/13	projection	MM	size	A2	scale	4:1	
tolerance std	ISO 406 ISO 1101	eng	Feng Zheng	2017/04/25			ecn no	-	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2017/04/25							
surface	ISO 1302	appr	Pei-Ming Zheng	2017/04/25	product family		cat. no.	Product - Customer Drw	sheet 1 of 4	rev	A
	linear	0.X	±0.5								
		0.XX	±0.25								
		0.XXX	±0.10								
	angular	0°	±2°								

Amphenol FCI

© 2016 AFCI

CONTACT TYPE

TOP LAYER DESCRIPTION

TABLE 1 (HPCE / SOLDER TAILS)
PLATED THROUGH-HOLE REQUIREMENTSDRILLED HOLE
DIAMETERCOPPER
THICKNESSTIN-LEAD
THICKNESSTIN
THICKNESSFINISHED
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

NOMINAL CONNECTOR
OUTLINE SEE NOTE 42xUNPLATED HOLE
SEE NOTE 6 FOR DIAMETER

⊕ 0.10(M) Z Y X

SEE TABLE 1, NOTE 5 TYP

⊕ 0.10(M) Z Y X

SEE TABLE 1, NOTE 5 TYP

⊕ 0.10(M) Z Y X

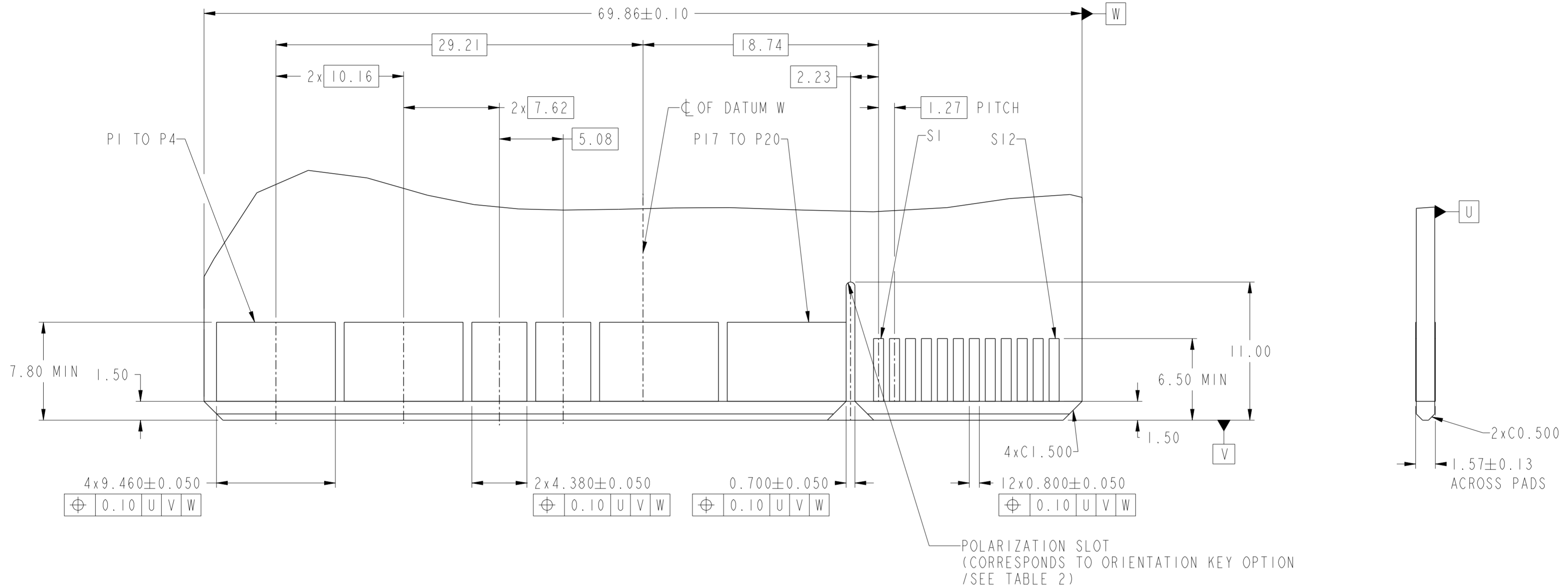
RECOMMENDED PCB LAYOUT
DIMENSION TOLERANCE IS ± 0.05 MM

spec ref	-	dr	Feng Zheng	2017/04/13	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Feng Zheng	2017/04/25			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2017/04/25						
surface	linear	0.X	±0.5		HPCE R/A REC 4HP4LP4HP24S	cat. no.	Product - Customer Drw	sheet 2 of 4	dwg no 10143470	rev A
		0.XX	±0.25							
	angular	0°	±2°							

PDS: Rev :A

STATUS: Released

Printed: Apr 25, 2017



**RECOMMENDED MATING BOARD
DIMENSION TOLERANCE IS ±0.05MM**

**Amphenol
FCi**

© 2016 APCI

spec ref	-	dr	Feng Zheng	2017/04/13	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Feng Zheng	2017/04/25			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2017/04/25						
surface	ISO 1302	appr	Pei-Ming Zheng	2017/04/25	product family			rel level	Released	
	linear	0.X	±0.5		title			HPCE R/A REC 4HP4LP4HP24S	dwg no 10143470	rev A
		0.XX	±0.25		cat. no.					
	angular	0°	±2°		Product - Customer Drw					
sheet 3 of 4										

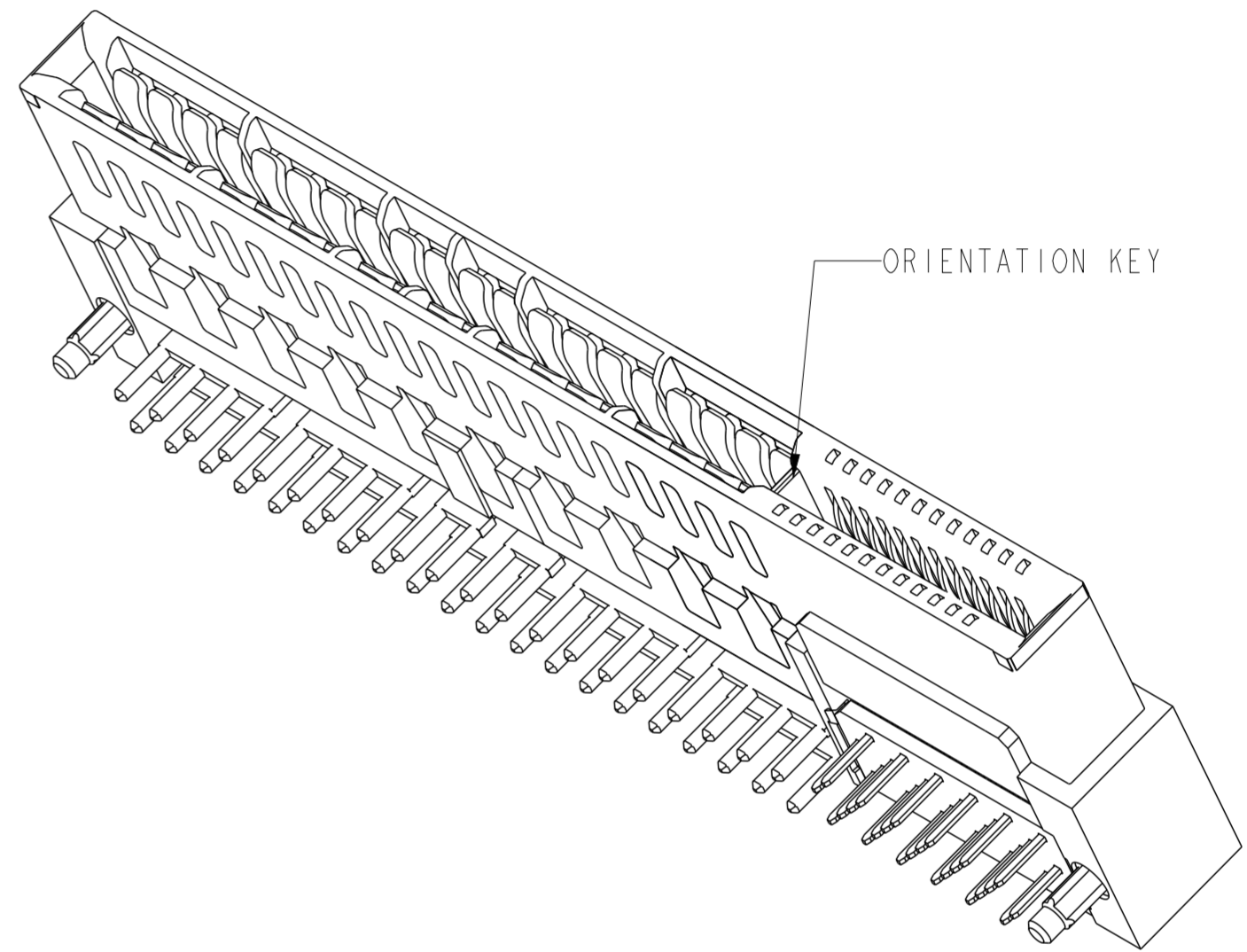
PDS: Rev :A

STATUS:Released

Printed: Apr 25, 2017

HPCE PART NUMBER (TABLE 2)

PART NUMBER	TAIL TYPE	HOLD-DOWN OPTION	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH
10143470-001LF	SOLDER TAIL	YES	YES	3.25±0.25
10143470-002LF			NO	



NOTES:

1. PRODUCT MARK:
PART NUMBER AND DATE CODE TO BE MARKED ON THIS SURFACE .
THE MARK CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.
2. MATERIALS:
HOUSING : HIGH TEMPERATURE THERMOPLASTIC WITH GLASS FIBER, UL94V-0, BLACK.
CONTACT : COPPER ALLOY.
3. CONTACT FINISH REF: GS-12-604 SECTION 5.2.
4. DENOTES CONNECTOR KEEP OUT ZONE.
5. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
6. MOUNTING HOLES ARE UNPLATED
Ø2.18 +/- 0.03 FOR SOLDER TAILS
7. THE HOUSING WILL WITHSTAND EXPOSURE TO 245°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION.
8. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
9. PRODUCT SPECIFICATION : GS-12-604.
APPLICATION SPECIFICATION : GS-20-128.
PACKAGING SPECIFICATION: GS-14-937.

spec ref	-	dr	Feng Zheng	2017/04/13	projection	MM	size	A2	scale	4:1	
tolerance std	ISO 406 ISO 1101	eng	Feng Zheng	2017/04/25			ecn no	-			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2017/04/25			rel level	Released			
surface	ISO 1302	appr	Pai-Ming Zheng	2017/04/25	product family			dwg no	10143470	rev	A
	linear	0.X	±0.5	Amphenol FCI		HPCE R/A REC					
		0.XX	±0.25	4HP4LP4HP24S							
		0.XXX	±0.10	cat. no.		Product - Customer Drw		sheet 4 of 4			
	angular	0°	±2°								