

Amphenol
FCi

© 2016 AFci

spec ref	-	dr	Sunny2 Liu	2016/08/12	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/08/25			ecn no	-	Product - Customer Drw	sheet 1 of 4
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/08/25			rel level	Released		
surface	ASME Y14.5	appr	Pei-Ming Zheng	2016/08/25			product family	HPCE		
linear	0.X ±0.50	Amphenol FCi		title	HPCE VT RECET		dwg no	10140845	rev	A
angular	0° ±2°			cat. no.						

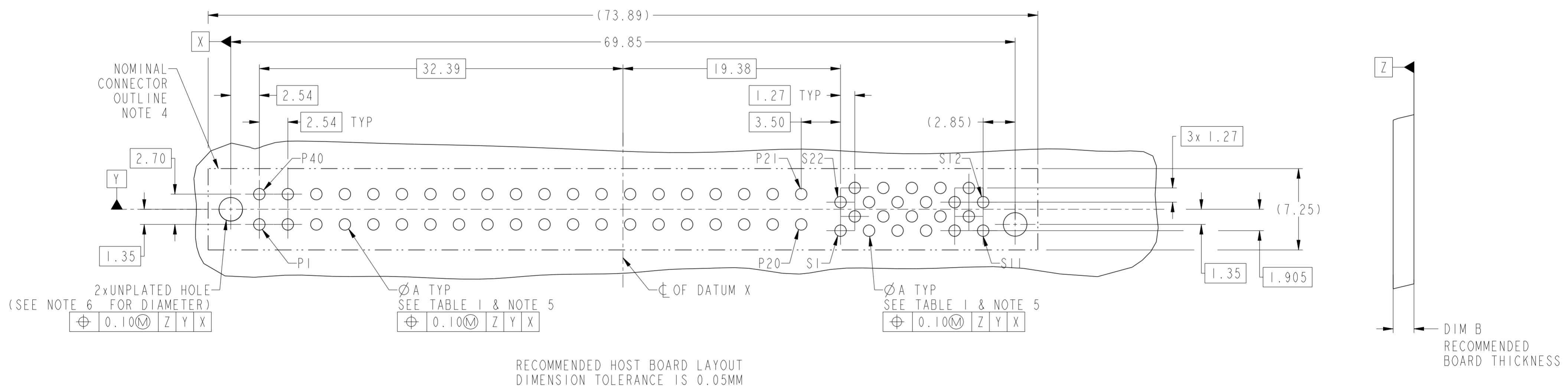
PDS: Rev :A

STATUS:Released

Printed: Aug 25, 2016

TABLE I (HPCE / PRESS-FIT TAILS)
PLATED THROUGH-HOLE REQUIREMENTS

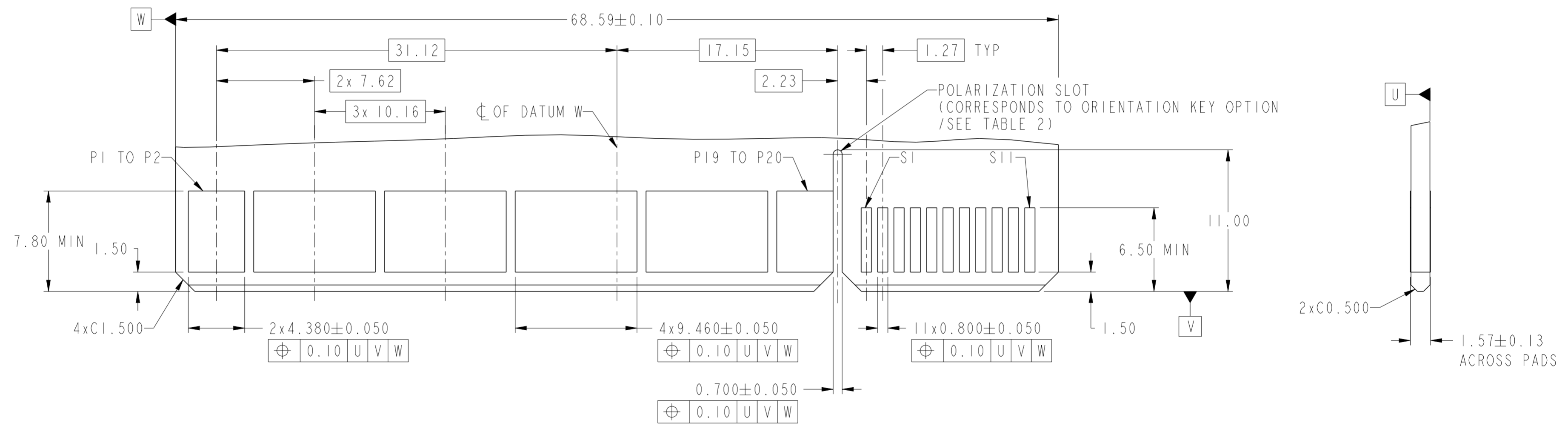
CONTACT TYPE	TOP LAYER DESCRIPTION	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER(ØA)
		POWER & SIGNAL	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015
	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80
	COPPER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



spec ref	-	dr	Sunny2 Liu	2016/08/12	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/08/25			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/08/25						
		appr	Pai-Ming Zheng	2016/08/25						
surface	linear	0.X	±0.50		title HPCE VT RECET 2LP8HP2LP22S	cat. no. -	Product - Customer Drw	sheet 2 of 4	rev A	
		0.XX	±0.25							
	angular	0°	±2°							

Amphenol FCI

© 2016 APCI



RECOMMENDED MATING BOARD LAYOUT
DIMENSION TOLERANCE IS 0.05MM

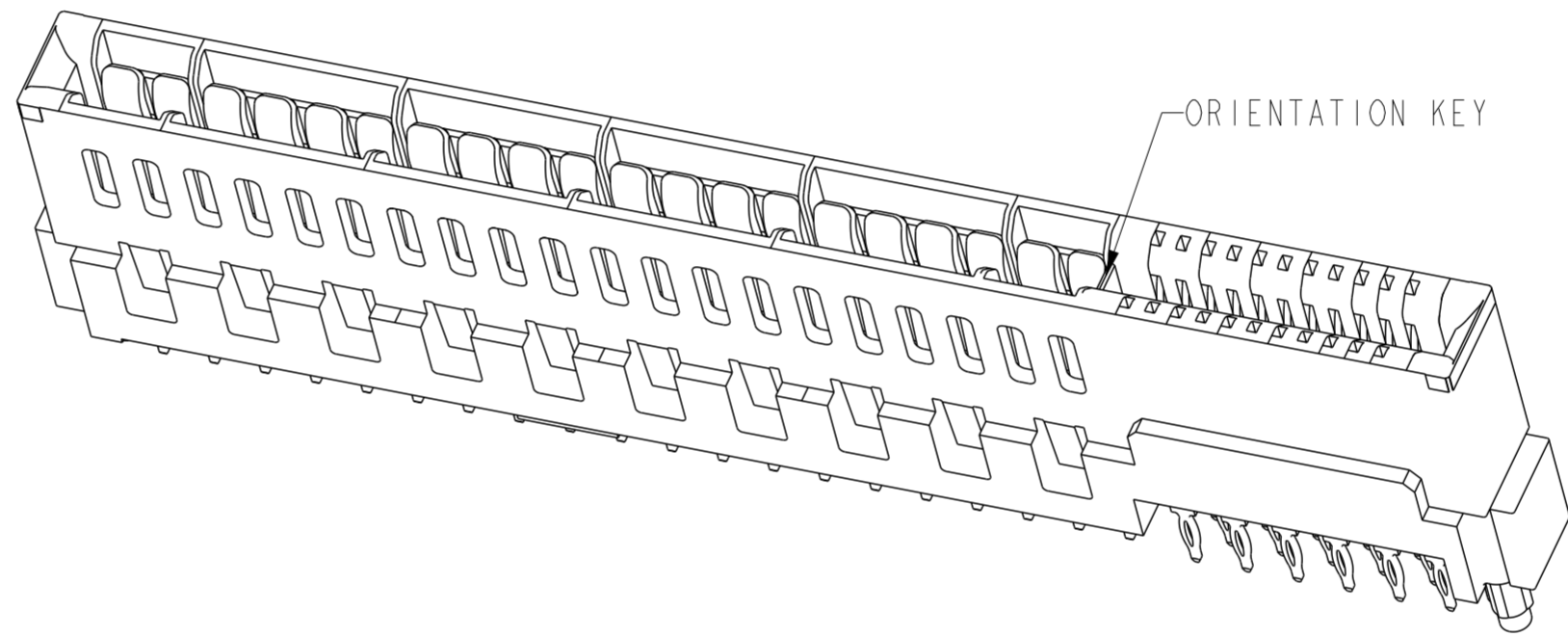
Amphenol
FCi

© 2016 APCI

spec ref	-	dr	Sunny2 Liu	2016/08/12	projection	MM	size	A2	scale	1:1		
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/08/25			ecn no	-	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/08/25								
surface	ASME Y14.5	appr	Pei-Ming Zheng	2016/08/25	product family	-	rel level	Released	cat. no.	-		
linear	0.X ±0.50	Amphenol FCI				title	HPCE VT RECET		dwg no	10140845	rev	A
linear	0.XX ±0.25	2LP8HP2LP22S				Product - Customer Drw	sheet 3 of 4					
linear	0.XXX ±0.10											
angular	0° ±2°											

HPCE PART NUMBER (TABLE 2)

PART NUMBER	TAIL TYPE	ORIENTATION KEY	TAIL LENGTH	DIM B RECOMMENDED BOARD THICKNESS
10140845-001LF	PRESS FIT	YES	3.17 ±0.25	1.57 MIN
10140845-002LF		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 : HIGH CONDUCTIVITY 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,
Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS
- 7) THE PRODUCT IS NOT INTEND TO BE EXPOSED TO A MANUFACTURING SOLDER PROCESS.
- 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.
- 10) PRESS FIT APPLICATION TOOL DRAWING:10119453.

spec ref	-	dr	Sunny2 Liu	2016/08/12	projection	MM	size	A2	scale	4:1		
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/08/25			ecn no	-	rel level		Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/08/25			product family	HPCE			rev	A
surface	ASME Y14.5	appr	Pei-Ming Zheng	2016/08/25			cat. no.	-	Product - Customer Drw	sheet 4 of 4		
		linear	0.X	±0.50			title	HPCE VT RECET		2LP8HP2LP22S		
			0.XX	±0.25			dwg no	10140845				
			0.XXX	±0.10								
		angular	0°	±2°								