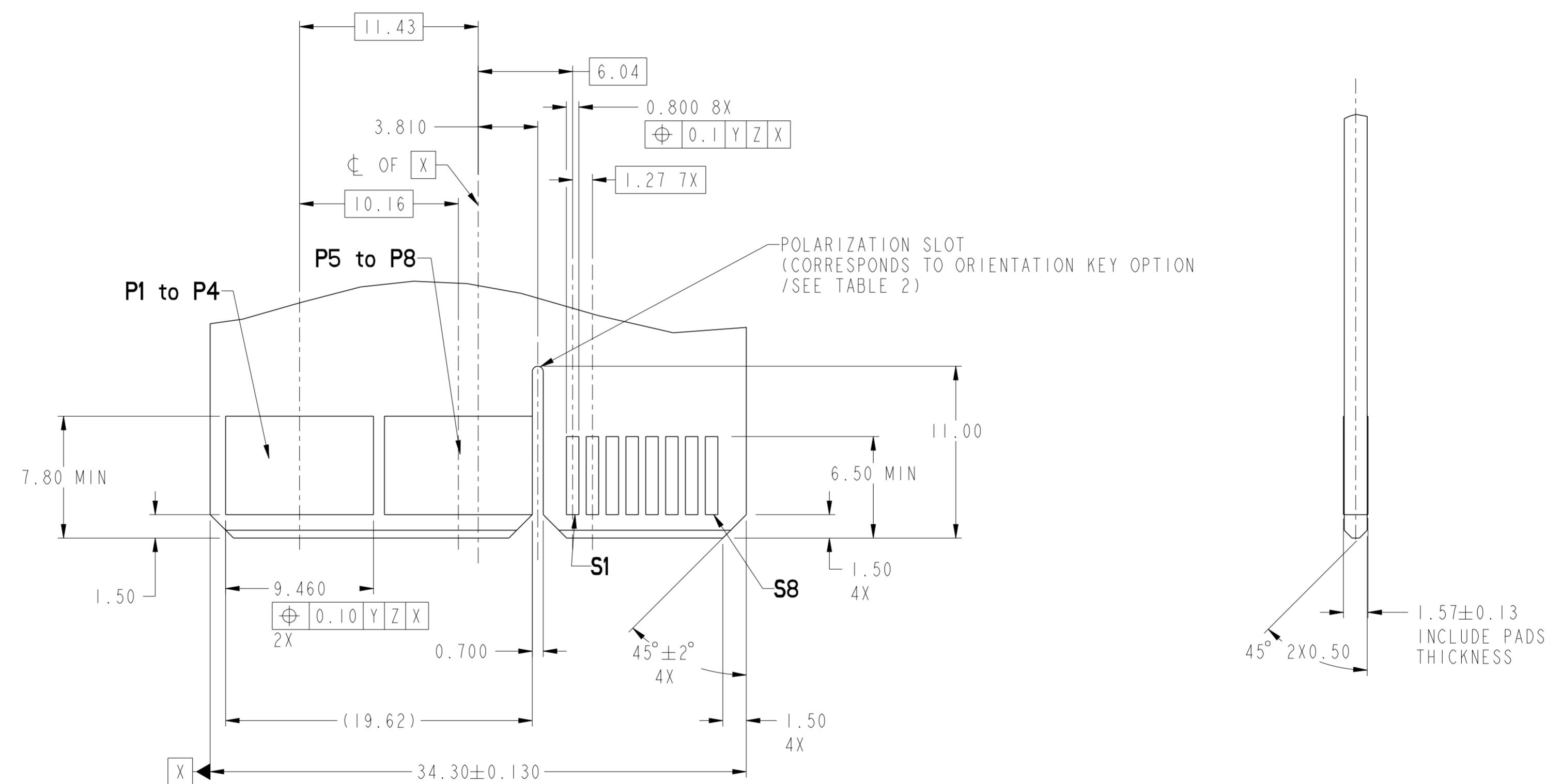


spec ref	-	dr	Wei-Long Zhang	2012/03/12	projection 	MM	size	A2	scale	4:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Sunny2 Liu	2016/05/17			ecn no	ELX-DG-24036-1		
-		chr	Terris Liu	2016/05/20						rel level
-		appr	Pei-Ming Zheng	2016/05/24			product family			
surface	linear	0.X	±0.30	Amphenol <b>FCI</b>	RIGHT ANGLE 16P16S HIGHT POWER CARD EDGE	dwg no 10119843	rev B			
		0.XX	±0.10							
		0.XXX	±0.05							
	angular	0°	±2°							
		cat. no.			Product - Customer Drw		sheet 2 of 4			

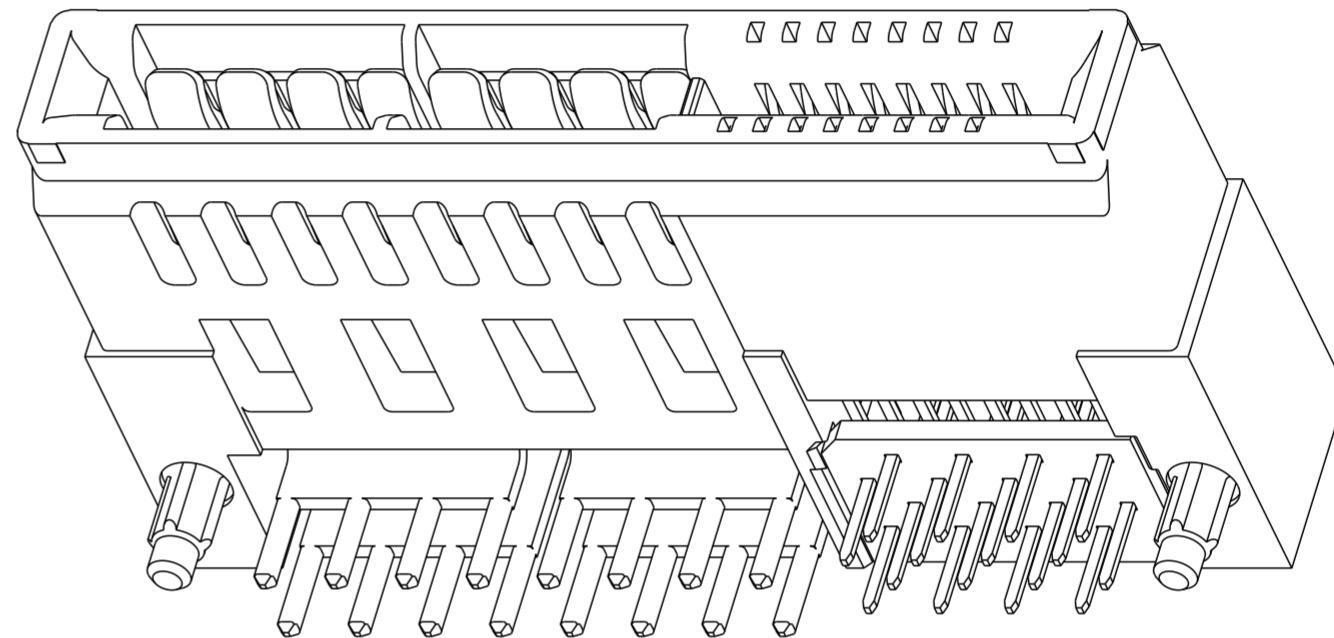
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE I (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	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



# RECOMMENDED MATING BOARD FOOTPRINT

spec ref	-	dr	Wei-Long Zhang	2012/03/12	projection 	MM	size	A2	scale	4 : 1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Sunny2 Liu	2016/05/17			ecn no	ELX-DG-24036-1			
-		chr	Terris Liu	2016/05/20			rel level	Released			
-		appr	Pei-Ming Zheng	2016/05/24			product family	-	rev		
surface	✓	linear	0.X	±0.30	Amphenol FCi	RIGHT ANGLE 16P16S			10119843	B	
-	-	0.XX	±0.10	HIGHT POWER CARD EDGE							
-	-	0.XXX	±0.05	cat. no.		-	Product - Customer Drw				
-	angular	angular	0°	±2°		dwg no	-	sheet 3 of 4			

HPCE PART NUMBER (TABLE 2)				
10117877	TAIL TYPE	HOLD-DOWN OPTION	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH
10119843-001LF	SOLDER TAIL	NO	YES	3.25±0.25
10119843-002LF			NO	
10119843-003LF		YES	YES	
10119843-004LF			NO	
10119843-005LF		NO	YES	
10119843-006LF			NO	
10119843-007LF		YES	YES	4.05±0.25
10119843-008LF			NO	
10119843-009LF		NO	YES	
10119843-010LF			NO	
10119843-011LF		YES	YES	4.85±0.25
10119843-012LF			NO	



## NOTES:

## I. 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.

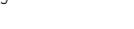
7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.

8). COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.

(9.) ALL HOLE SIZES ARE FINISHED HOLE SIZES.

(10) MOUNTING HOLES ARE UNPLATED  
Ø 2.25 +/- 0.05 FOR SOLDER TAILS

III. A SYMBOL  WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref	-			dr	Wei-Long Zhang	2012/03/12			size	A2	scale	4:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Sunny2 Liu	2016/05/17			ecn no	ELX-DG-24036-1					
-			chr		Terris Liu	2016/05/20			rel level	Released					
-			appr		Pei-Ming Zheng	2016/05/24			product family	-					
surface		linear	0.X	±0.30			RIGHT ANGLE 16P16S								
-			0.XX	±0.10			HIGHT POWER CARD EDGE								
-			0.XXX	±0.05			cat. no.		-	Product - Customer Drw					
-		angular	0°	±2°					-						