

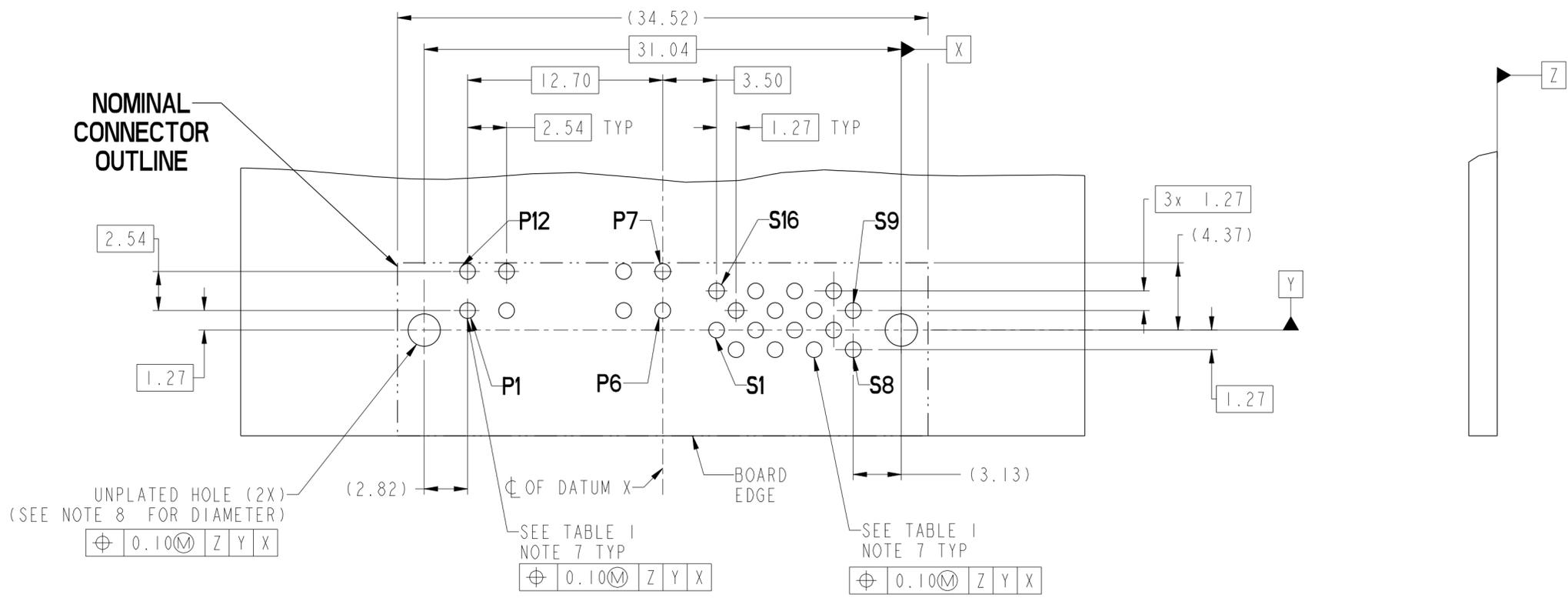
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spec ref	-	dr	Hai-Ling Liu	2016/04/15	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/04/27			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/04/27						
surface	ISO 1302	appr	Pai-Ming Zheng	2016/04/27	product family	-	rel level	Released	cat. no.	-
linear	0.X ±0.50 0.XX ±0.25 0.XXX ±0.10				title	HPCE R/A REC 6LP16S OMITTED 2LP		dwg no	10139361	
angular	0° ±2°				rev	A		Product - Customer Drw	sheet 1 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	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 I (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
SIGNAL	TIN-LEAD	0.93-1.02 (1.00 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.85 - 0.95
	IMMERSION TIN	0.93-1.02 (1.00 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.85 - 0.95
	COPPER	0.93-1.02 (1.00 DRILL)	0.025 - 0.050	--	--	0.85 - 0.95



**RECOMMENDED PCB LAYOUT**

Amphenol FCI

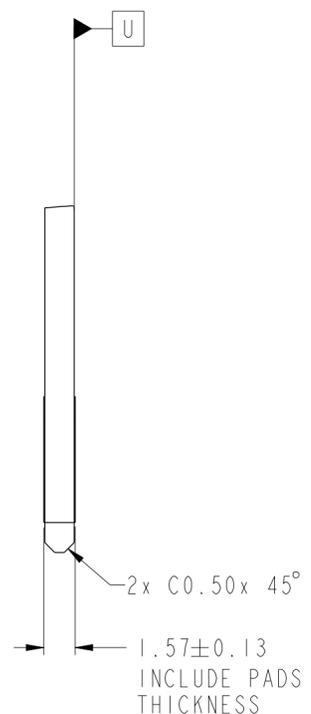
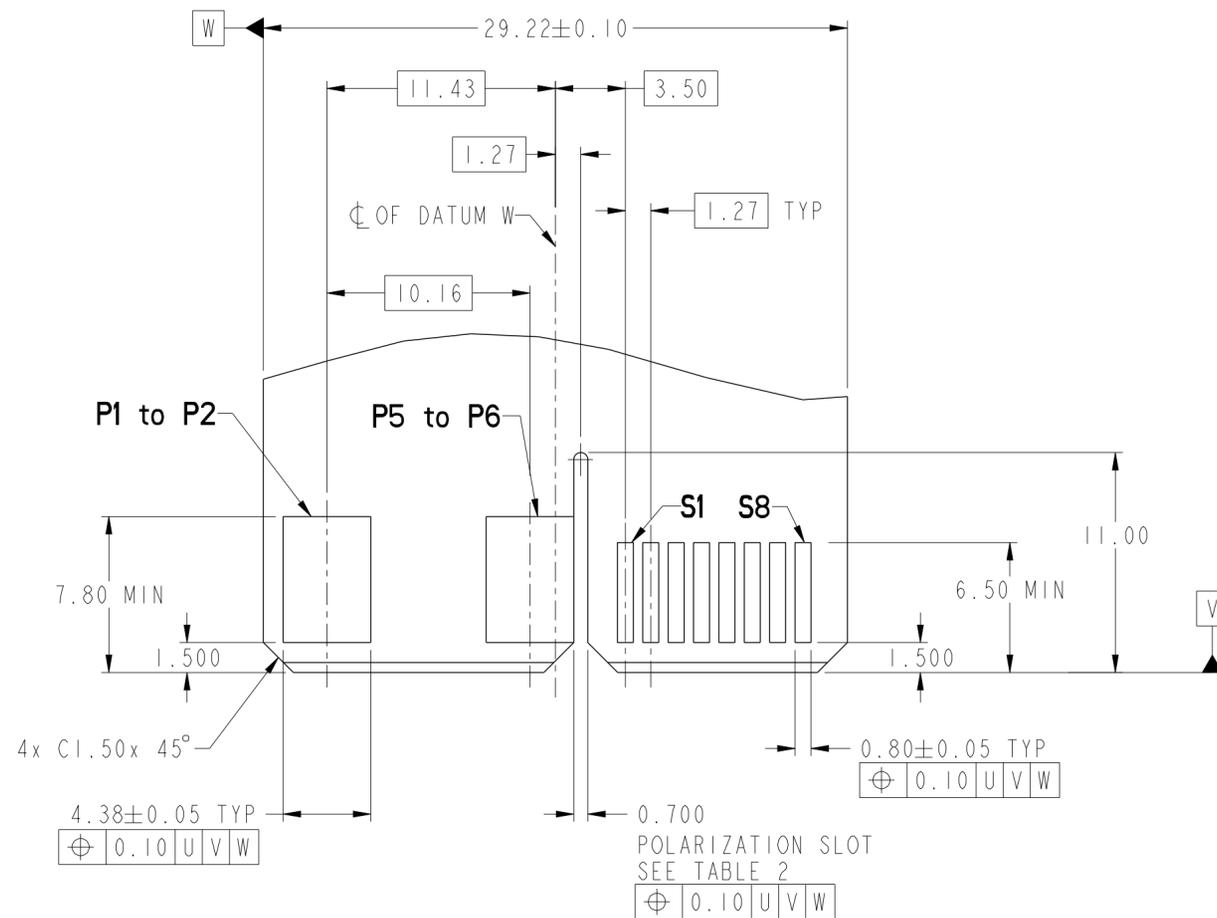
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tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/04/27			ecn no	-	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/04/27							
surface	linear	0.X	±0.50		product family HPCE R/A REC 6LP16S OMITTED 2LP	title HPCE R/A REC 6LP16S OMITTED 2LP	dwg no 10139361	rev A	cat. no. -	Product - Customer Drw	sheet 2 of 4
		0.XX	±0.25								
	angular	0°	±2°								

PDS: Rev :A

STATUS:Released

Printed: Apr 27, 2016

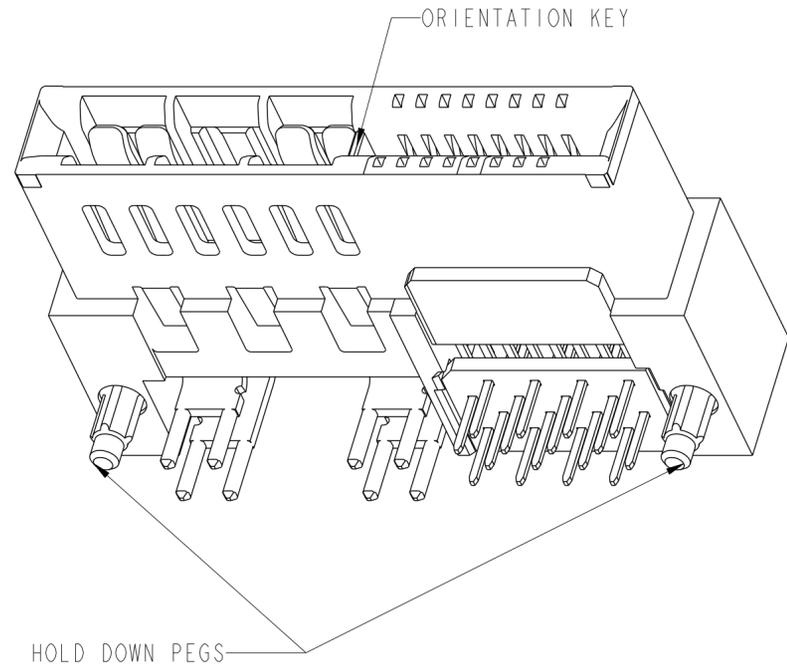


### RECOMMENDED MATING BOARD FOOTPRINT

spec ref	-	dr	Hai-Ling Liu	2016/04/15	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/04/27			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/04/27						
surface	ISO 1302	appr	Pai-Ming Zheng	2016/04/27	product family	-	rel level	Released	cat. no.	-
linear	0.X ±0.50 0.XX ±0.25 0.XXX ±0.10	Amphenol FCI	HPCE R/A REC 6LP16S OMITTED 2LP			dlg no	10139361		rev	A
angular	0° ±2°	Product - Customer Drw			sheet 3 of 4					

HPCE PART NUMBER (TABLE 2)

10117877	TAIL TYPE	HOLD-DOWN OPTION	ORIENTATION KEY	DIM "T" TYPICAL TAIL LENGTH
10139361-001LF	SOLDER TAIL	YES	YES	2.60±0.50
10139361-002LF			NO	
10139361-003LF		NO	YES	
10139361-004LF			NO	



NOTES:

- CONNECTOR MATERIALS:  
 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK  
 UL 94V-0 COMPLIANT  
 CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
- CONTACT FINISH REF. GS-12-604 SECTION 5.2.
- PRODUCT SPECIFICATION: GS-12-604.
- APPLICATION SPECIFICATION: GS-20-128.
- PRODUCT MARKING ON HOUSING IN AREA SHOWN MEET AFCI SPECIFICATION GS-24-007
- PACKAGING MEETS FCI SPECIFICATION GS-14-937.
- ALL HOLE SIZES ARE FINISHED HOLE SIZES.
- MOUNTING HOLES ARE UNPLATED  
 $\varnothing$  2.18 +/- 0.03 FOR SOLDER TAILS

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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/04/27			Released			
surface	ISO 1302	appr	Pei-Ming Zheng	2016/04/27	product family	-	rel level	Released		
	linear	0.X	±0.50		title HPCE R/A REC 6LP16S OMITTED 2LP		dwg no	10139361	rev	A
		0.XX	±0.25		cat. no.	-	Product - Customer Drw	sheet 4 of 4		
	angular	0°	±2°							