

spec ref	-	dr	Sunny2 Liu	2016/08/17	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/08/25			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/08/25						
surface	ISO 1302	appr	Pei-Ming Zheng	2016/08/25	product family		dwg no	10140887	rev	A
							cat. no.	Product - Customer Drw	sheet 1 of 4	

PDS: Rev :A

STATUS:Released

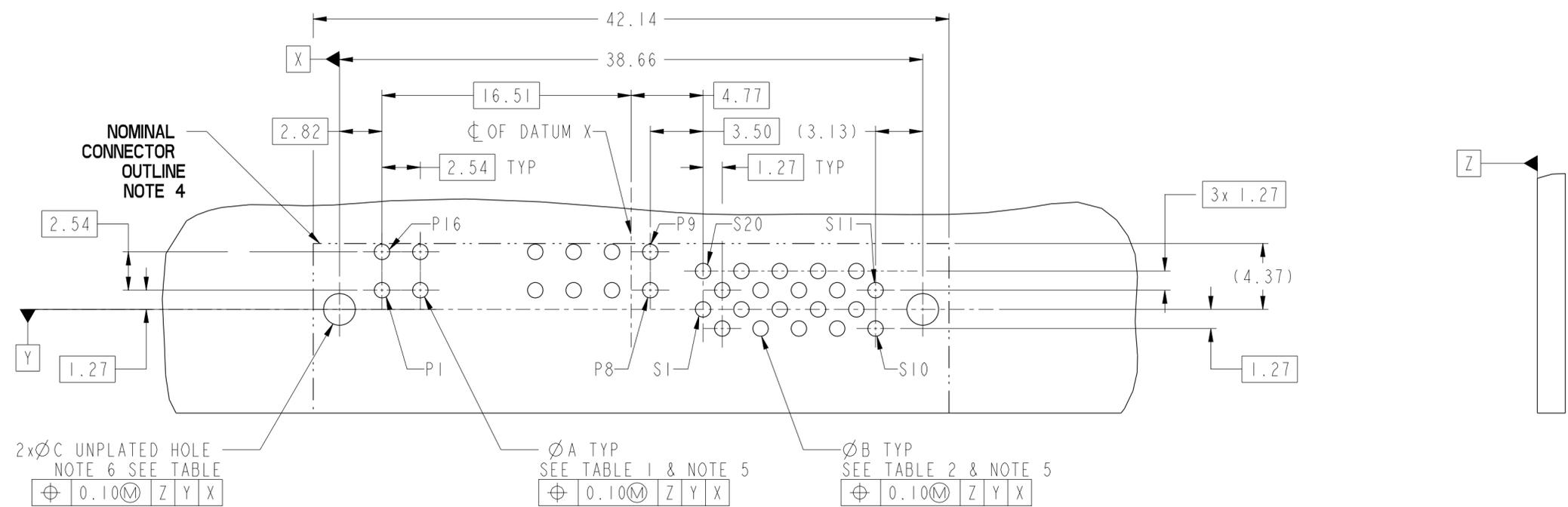
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CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER(ØA)
POWER	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 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 2 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER(ØB)
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

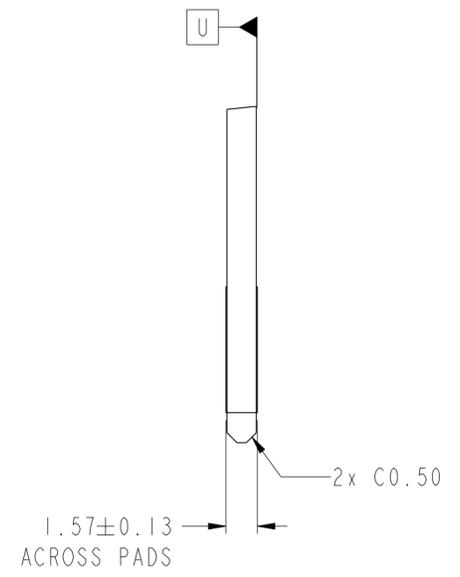
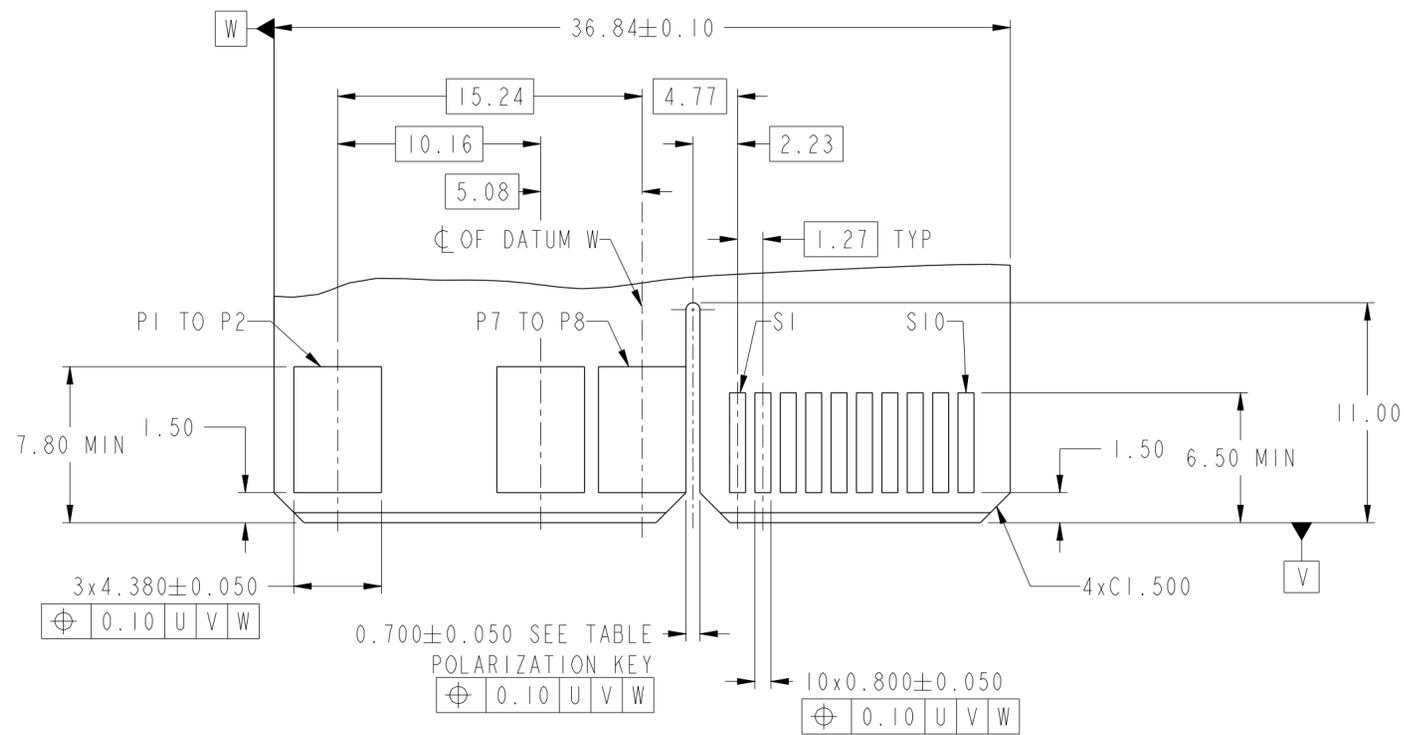


**RECOMMENDED PCB LAYOUT
DIMENSION TOLERANCE IS 0.05MM**

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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/08/25						
surface	linear	0.X	±0.50		product family		title HPCE RA RECT 8LP20S OMITTED 2LP	dwg no 10140887	rev A	
		0.XX	±0.25		cat. no.	Product - Customer Drw				sheet 2 of 4
	angular	0°	±2°							

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

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tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/08/25			ecn no	-	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/08/25							
surface	ISO 1302	appr	Pai-Ming Zheng	2016/08/25	product family		cat. no.	HPCE RA RECT 8LP20S OMITTED 2LP	divg no	10140887	
								Product - Customer Drw	sheet 3 of 4	rev	A

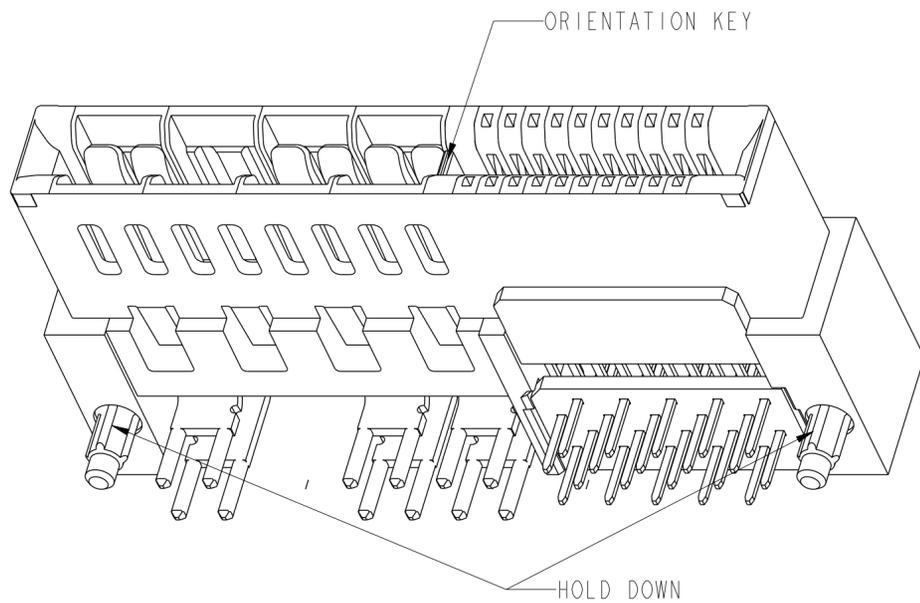
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HPCE PART NUMBER (TABLE 3)

PART NUMBER	TAIL TYPE	HOLD-DOWN OPTION	ORIENTATION KEY	DIM T TYP TAIL LENGTH
10140887-001LF	SOLDER TAIL	YES	YES	3.25±0.25
10140887-002LF			NO	
10140887-003LF		NO	YES	
10140887-004LF			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
Ø2.18 +/- 0.03 FOR SOLDER TAILS
- 7) THE HOUSING WILL WITHSTAND EXPOSURE TO 245°C PEAK TEMPERATURE FOR 10 SECONDS IN 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.

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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/08/25			rel level	Released		
surface	linear	0.X	±0.50	appr	Pei-Ming Zheng	2016/08/25	product family			
		0.XX	±0.25	Amphenol FCI		title	HPCE RA RECT		dwg no	10140887
		0.XXX	±0.10				8LP20S OMITTED 2LP		rev	A
	angular	0°	±2°			cat. no.	Product - Customer Drw		sheet 4 of 4	