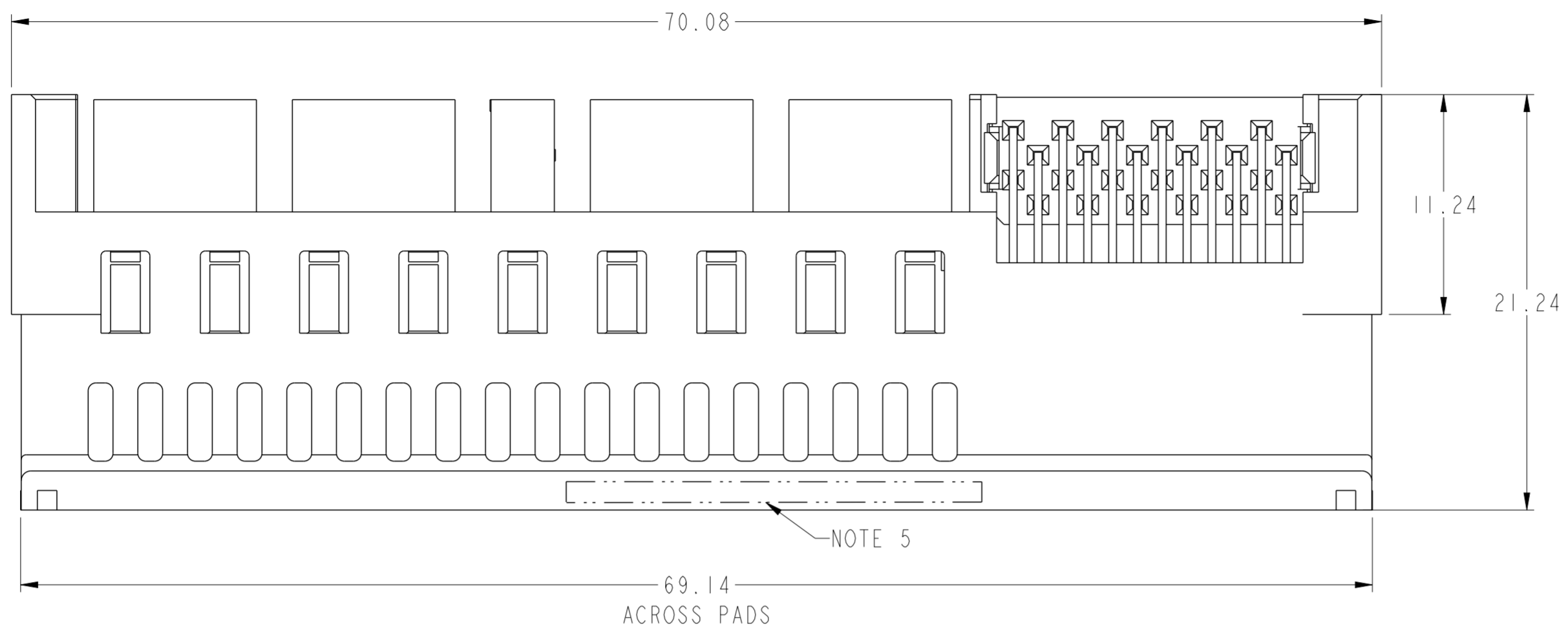


1 2 3 4 5 6 7 8

A

B

C



A

B

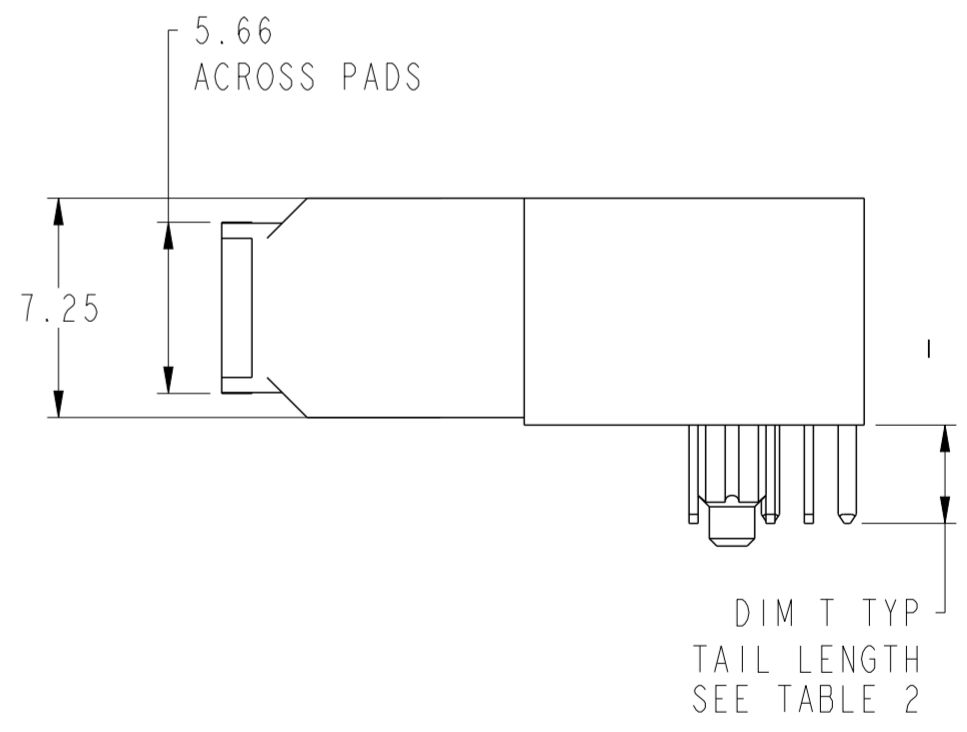
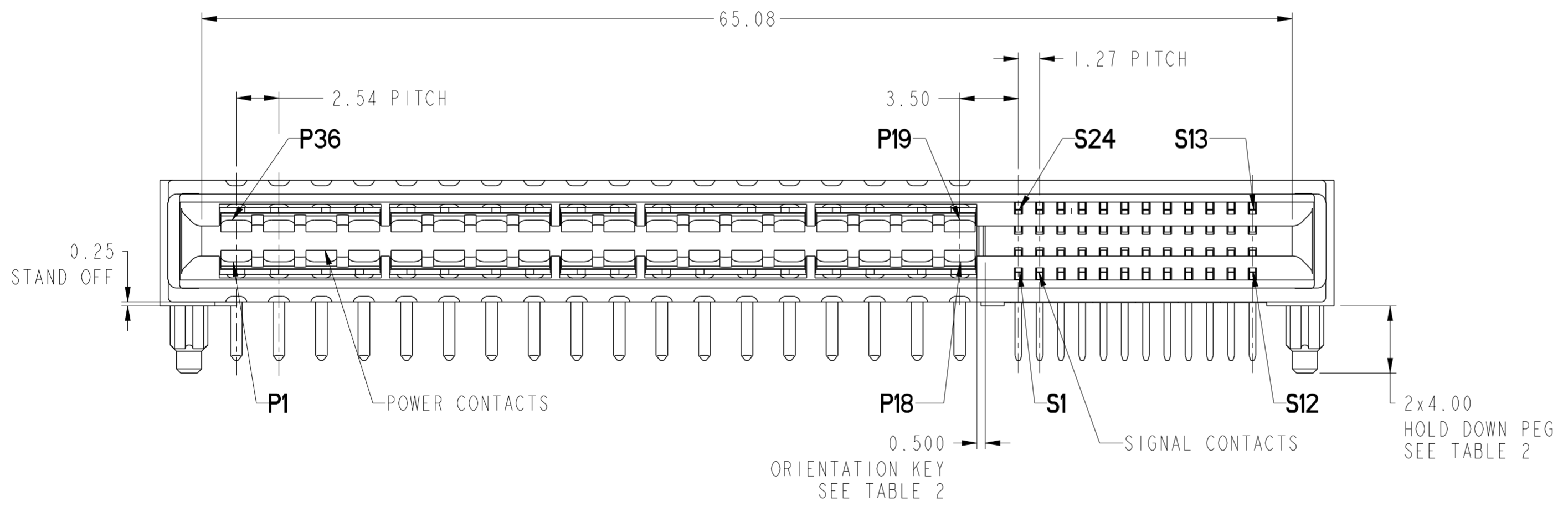
C

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D

E

F



D

E

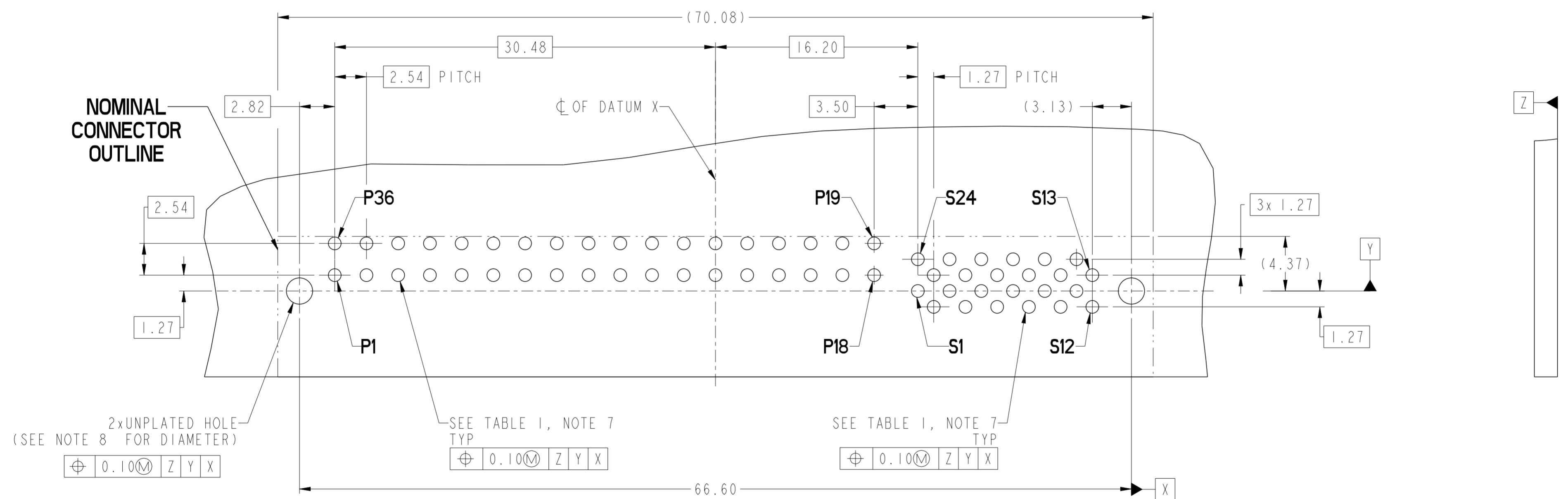
F

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spec ref	-	dr	Sunny2 Liu	2016/05/26	projection	MM	size	A2	scale	4:1	
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/06/16			ecn no	-	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/06/16							
surface	linear	0.X	±0.5		product family	HPCE	title HPCE RA - ENHANCED WALL 4HP2LP4HP24S	dwg no 10139821	rev A		
		0.XX	±0.25		cat. no.	-				Product - Customer Drw	sheet 1 of 4
	angular	0°	±2°								

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
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 1 (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



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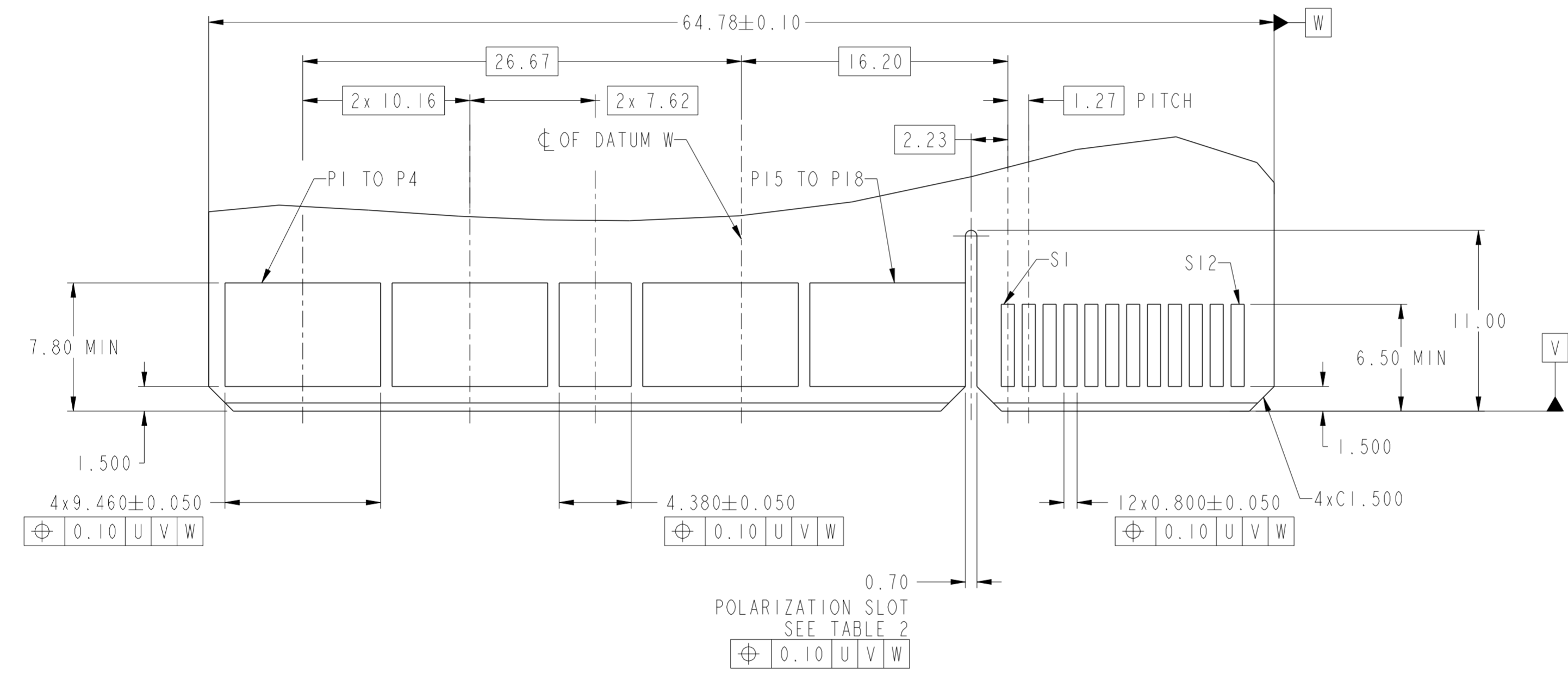
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spec ref	-	dr	Sunny2 Liu	2016/05/26	projection	MM	size	A2	scale	4:1	
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/06/16	chr	Terris Liu	2016/06/16	ecn no	-	rel level	Released
surface	linear	0.X	±0.5	0.XX	±0.25	0.XXX	±0.10	product family	-	cat. no.	Product - Customer Drw
ASME Y14.5	angular	0°	±2°	Amphenol FCI		HPCE RA - ENHANCED WALL 4HP2LP4HP24S		dwg no	10139821	rev	A

PDS: Rev :A

STATUS:Released

Printed: Jun 16, 2016



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spec ref	-	dr	Sunny2 Liu	2016/05/26	projection	MM	size	A2	scale	4:1	
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/06/16			ecn no	-	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/06/16							
		appr	Pai-Ming Zheng	2016/06/16							
surface	ASME Y14.5	linear	0.X	±0.5	Amphenol FCI		title	HPCE RA - ENHANCED WALL		rev	A
		angular	0°	±2°			4HP2LP4HP24S	cat. no.	-	Product - Customer Drw	sheet 3 of 4

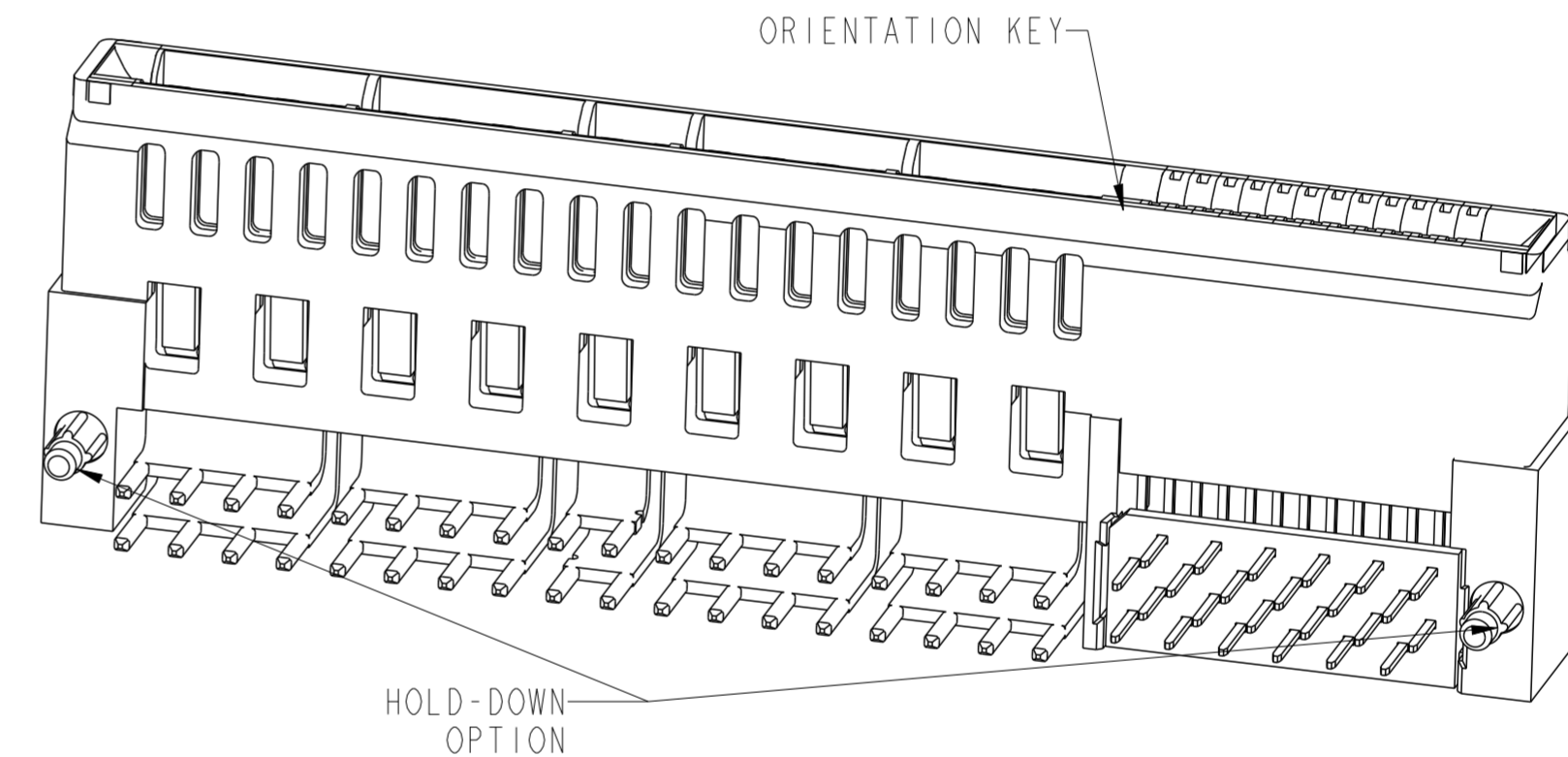
PDS: Rev :A

STATUS:Released

Printed: Jun 16, 2016

HPCE PART NUMBER (TABLE 2)

PART NUMBER	TAIL TYPE	ORIENTATION KEY	HOLD-DOWN OPTION	DIM T TAIL LENGTH ±0.25
10139821-001LF	SOLDER TAIL	YES	YES	2.60
10139821-002LF		NO	YES	2.60
10139821-003LF	SOLDER TAIL	NO	NO	2.60
10139821-004LF		YES	NO	2.60
10139821-005LF		YES	YES	3.25
10139821-006LF		NO	YES	3.25
10139821-007LF		NO	NO	3.25
10139821-008LF		YES	NO	3.25
10139821-009LF	SOLDER TAIL	YES	YES	4.05
10139821-010LF		NO	YES	4.05
10139821-011LF		NO	NO	4.05
10139821-012LF		YES	NO	4.05
10139821-013LF		YES	YES	4.85
10139821-014LF		NO	YES	4.85
10139821-015LF		NO	NO	4.85
10139821-016LF		YES	NO	4.85



NOTES:

1. 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 SHOWN MEETS AFCI SPECIFICATION: GS-24-007.

6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.

7. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

8. MOUNTING HOLES ARE UNPLATED
Ø 2.18 +/- 0.03 FOR SOLDER TAILS

spec ref	-	dr	Sunny2 Liu	2016/05/26	projection	MM	size	A2	scale	4:1	
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/06/16			ecn no	-	rel level		Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/06/16			product family	HPCE	rel level		Released
surface	ASME Y14.5	appr	Pei-Ming Zheng	2016/06/16			HPCE RA - ENHANCED WALL	4HP2LP4HP24S	dwg no	10139821	rev
linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.10	Amphenol FCI		cat. no.	-	Product - Customer Drw	sheet 4 of 4				
angular	0° ±2°										

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