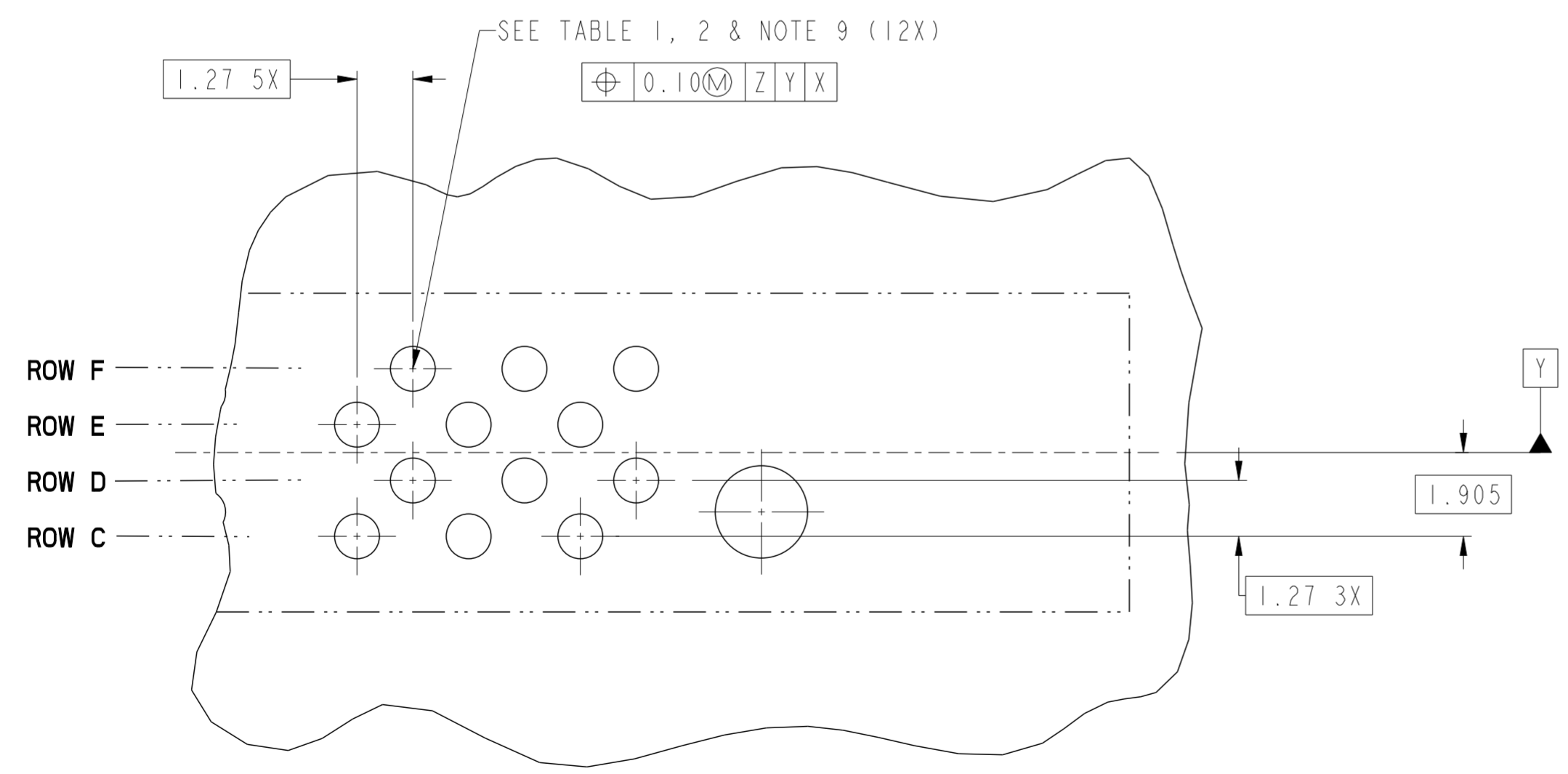
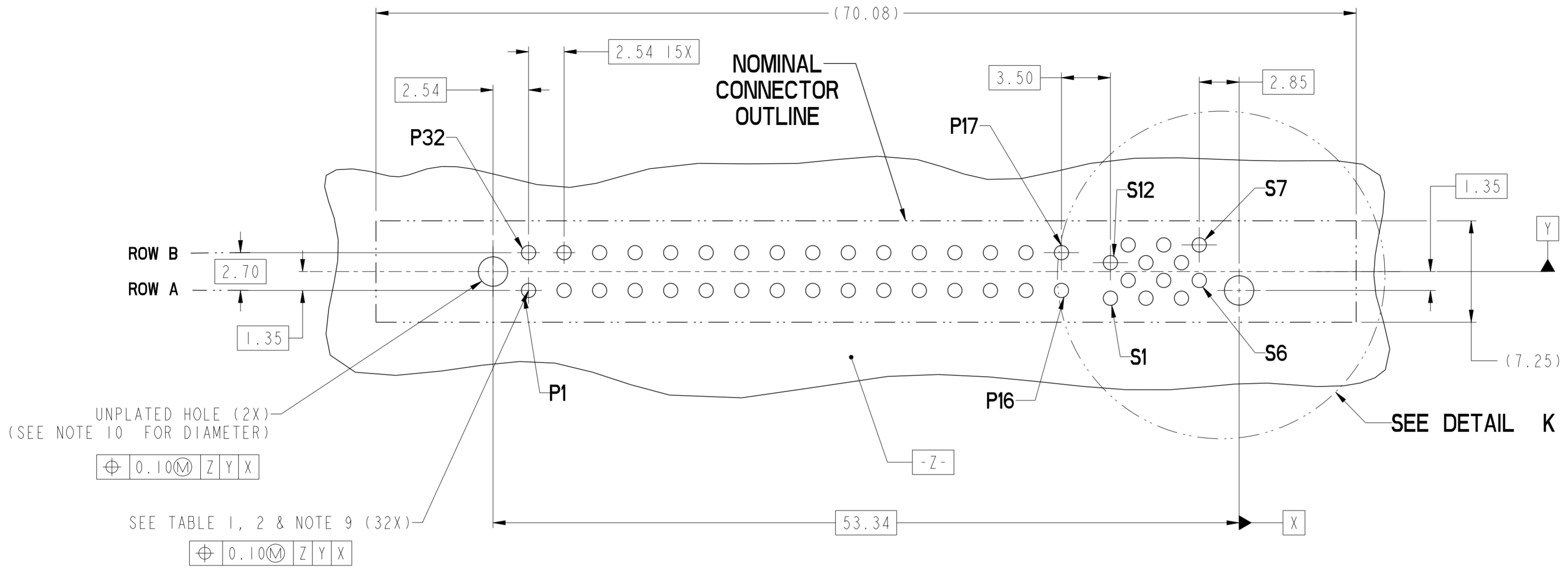
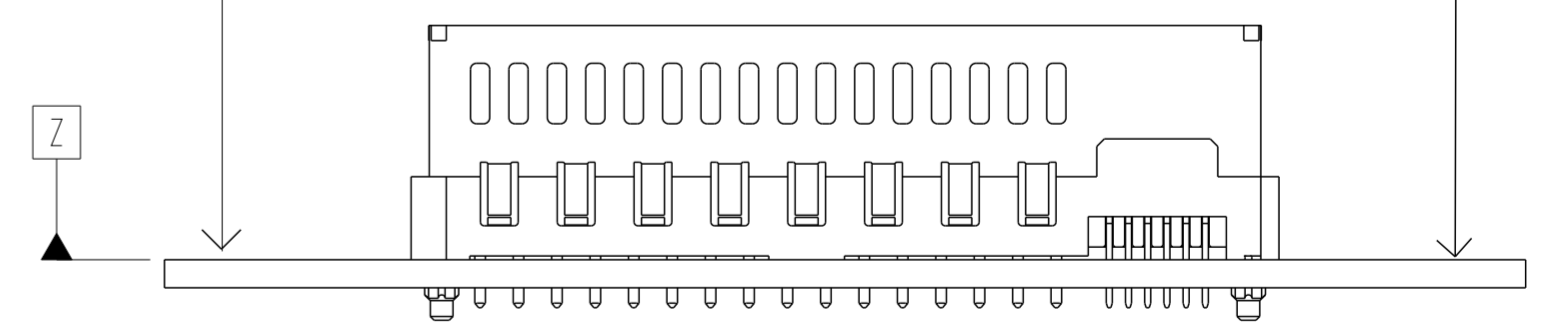


spec ref	-	dr	Wei-Long Zhang	2011/04/06	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	4:1	size	A2	
tolerance std	ISO 406 ISO 1101	eng	Wei-Cheng Guo	2023/06/07		ec n no	ELX-DG-48406-1	rel level	Released		
surface	ISO 1302	prj	Zheng-Pei-Min	2023/07/05		cat. no.	10117936			rev	C
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear	0.X	±0.30	title		VERT RECT (32P 12S)		product family		CARD EDGE
			0.XX	±0.10	projection		HIGH POWER CARD EDGE		Product - Customer Drw		sheet 1 of 4
		angular	0°	±2°	product family		CARD EDGE		Product - Customer Drw		sheet 1 of 4



DETAIL K
SCALE 8:1

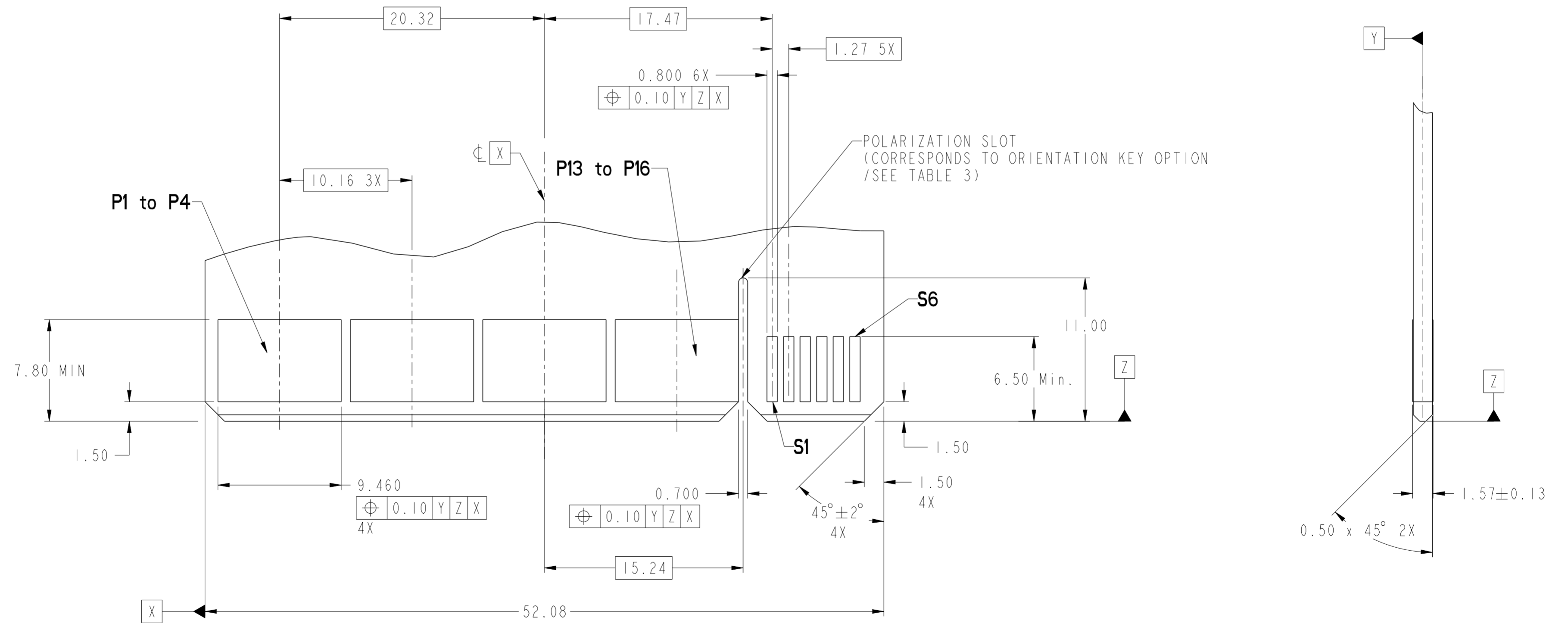
**RECOMMENDED PCB LAYOUT
VIEWED FROM CONNECTOR SIDE**



spec ref	-	dr	Wei-Long Zhang	2011/04/06	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	size
tolerance std	ISO 406 ISO 1101	eng	Wei-Cheng Guo	2023/06/07		ec n no	4:1	A2
TOLERANCES UNLESS OTHERWISE SPECIFIED		r v w r	-	-		rel level	Released	
surface	linear	0.X	±0.30	projection	VERT RECT (32P 12S)	cat. no.	10117936	rev
		0.XX	±0.10		HIGH POWER CARD EDGE			C
	angular	0°	±2°		product family	Product - Customer Drw	sheet 2 of 4	

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 & 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

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80
	COPPER (SEE NOTE 8)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80

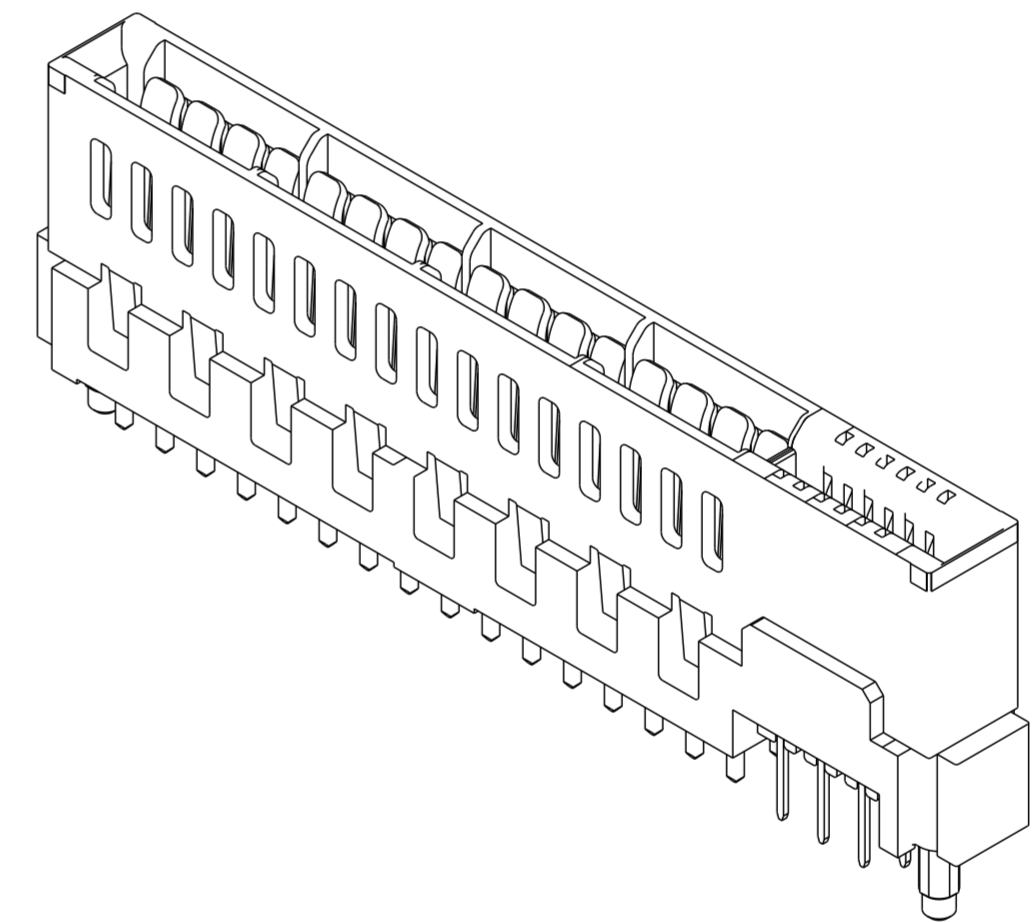


RECOMMENDED MATING BOARD FOOTPRINT

spec ref	-	dr	Wei-Long Zhang	2011/04/06	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	4:1	size	A2
tolerance std	ISO 406 ISO 1101	eng	Wei-Cheng Guo	2023/06/07		ec n no	ELX-DG-48406-1	rel level	Released	
surface	linear ISO 1302	prj	Zheng-Pei-Min	2023/07/05		dig no	10117936	cat. no.	-	rev
TOLERANCES UNLESS OTHERWISE SPECIFIED		projection	VERT RECT (32P 12S) HIGH POWER CARD EDGE		Product - Customer Drw		sheet 3 of 4			

HPCE PART NUMBER (TABLE 3)

PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH	DIM "B" TYPICAL TAIL LENGTH	DIM "C" RECOMMENDED BOARD THICKNESS
10117936-001LF	SOLDER	YES	3.17 ±0.25	3.17 ±0.25	1.59 - 2.38
10117936-002LF	SOLDER	NO			
10117936-003	PRESS-FIT	YES	3.17 ±0.25	3.17 ±0.25	1.6 MIN
10117936-003LF	PRESS-FIT	YES			
10117936-004	PRESS-FIT	NO			
10117936-004LF	PRESS-FIT	NO	4.05 ±0.25	3.75 ±0.25	3.20 ±0.18
10117936-005LF	SOLDER	YES			
10117936-006LF	SOLDER	NO			



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 (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
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 2.40 +/- 0.1 FOR PRESS-FIT TAILS
 Ø 2.10 +/- 0.1 FOR SOLDER TAILS

spec ref	-	dr	Wei-Long Zhang	2011/04/06	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	4:1	size	A2	
tolerance std	ISO 406 ISO 1101	eng	Wei-Cheng Guo	2023/06/07		ec n no	ELX-DG-48406-1	rel level	Released	rev	C
surface	ISO 1302	fwvr	-	-		app r	Zheng, Pei-Min	2023/07/05	product family	CARD EDGE	Product - Customer Drw

PDS: Rev :C

STATUS:Released

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Amphenol Power Solutions

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