

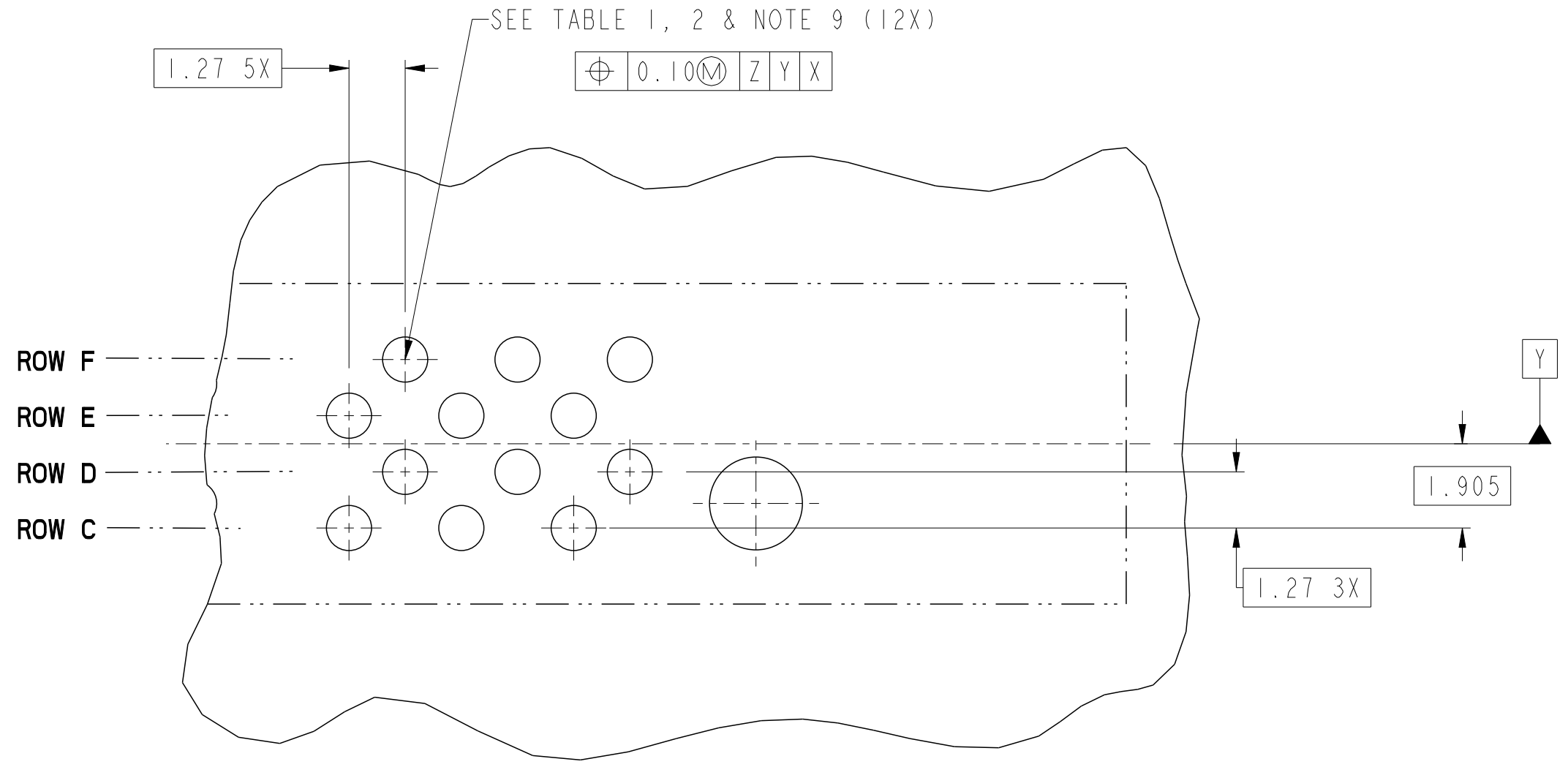
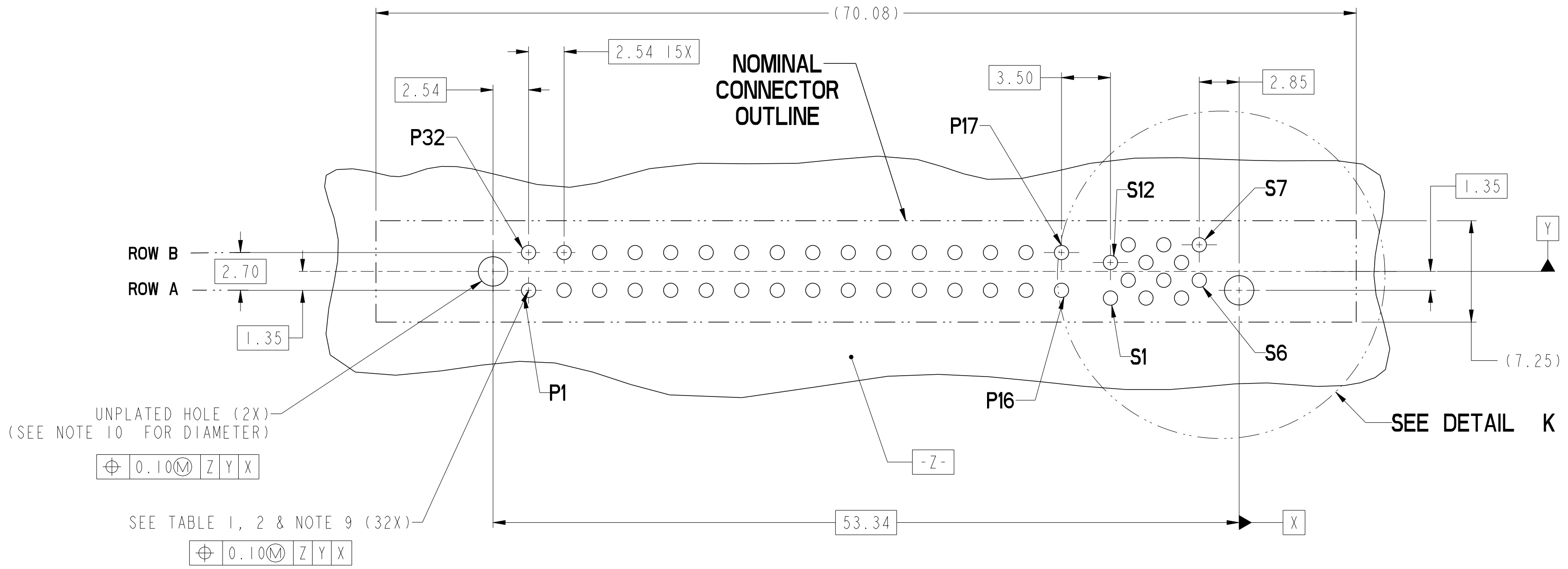
rev	ecn no	dr	date
A	---	HZ	2011-07-03
B	ELX-DG-008860-1	HZ	2011-12-15

spec ref	-
tolerance std	ASME Y14.5
surface	✓
ASME Y14.5	angular 0° ±2°

dr	Wei-Long Zhang	2011/04/06
eng	Wei-Long Zhang	2011/12/15
chr	Jon Qin	2011/12/15
appr	Pei-Ming Zheng	2011/12/15

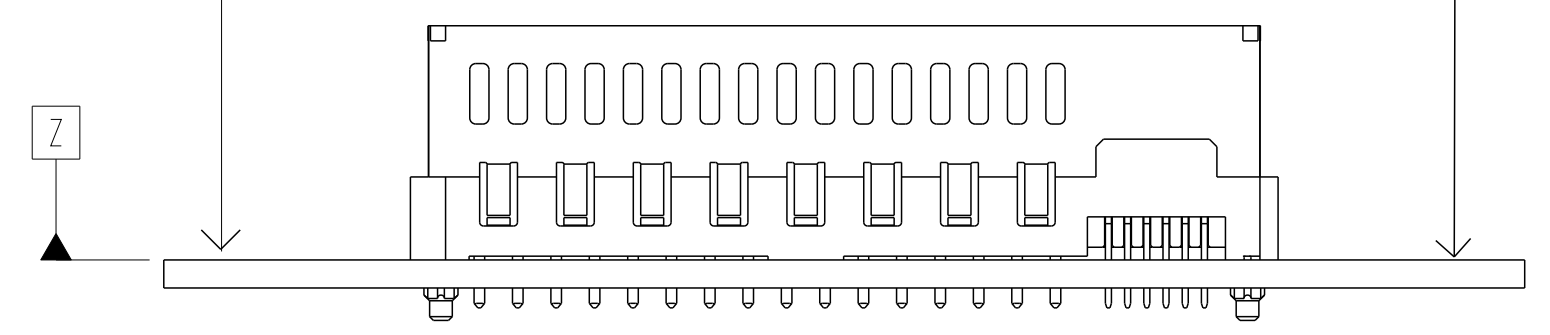
projection	MM	size	A2	scale	4:1
product family	CARD EDGE	ecn no	ELX-DG-008860-1	rel level	Released
title	VERT RECT (32P 12S) HIGH POWER CARD EDGE	dwg no	10117936	rev	B
www.fci.com	cat. no.	Product - Customer Drw	sheet 1 of 4		

Copyright FCI. FCI



DETAIL K
SCALE 8:1

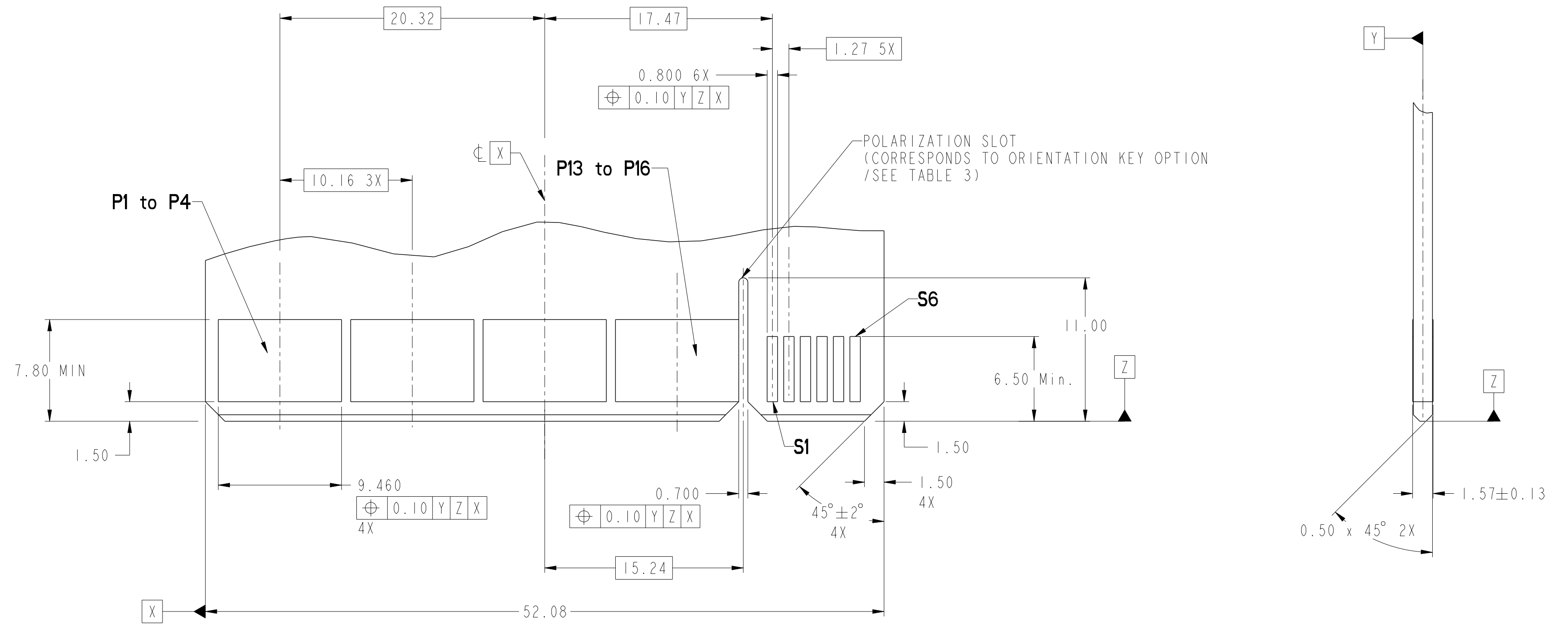
**RECOMMENDED PCB LAYOUT
VIEWED FROM CONNECTOR SIDE**



dr	Wei-Long Zhang	2011/04/06	projection	MM	size	A2	scale	4:1
eng	Wei-Long Zhang	2011/12/15		MM	ecn no	ELX-DG-008860-1	rel level	Released
chr	Jon Qin	2011/12/15						
appr	Pai-Ming Zheng	2011/12/15	product family	CARD EDGE	rel level	Released		
			title VERT RECT (32P 12S) HIGH POWER CARD EDGE			dwg no 10117936		rev B
www.fci.com			cat. no.			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

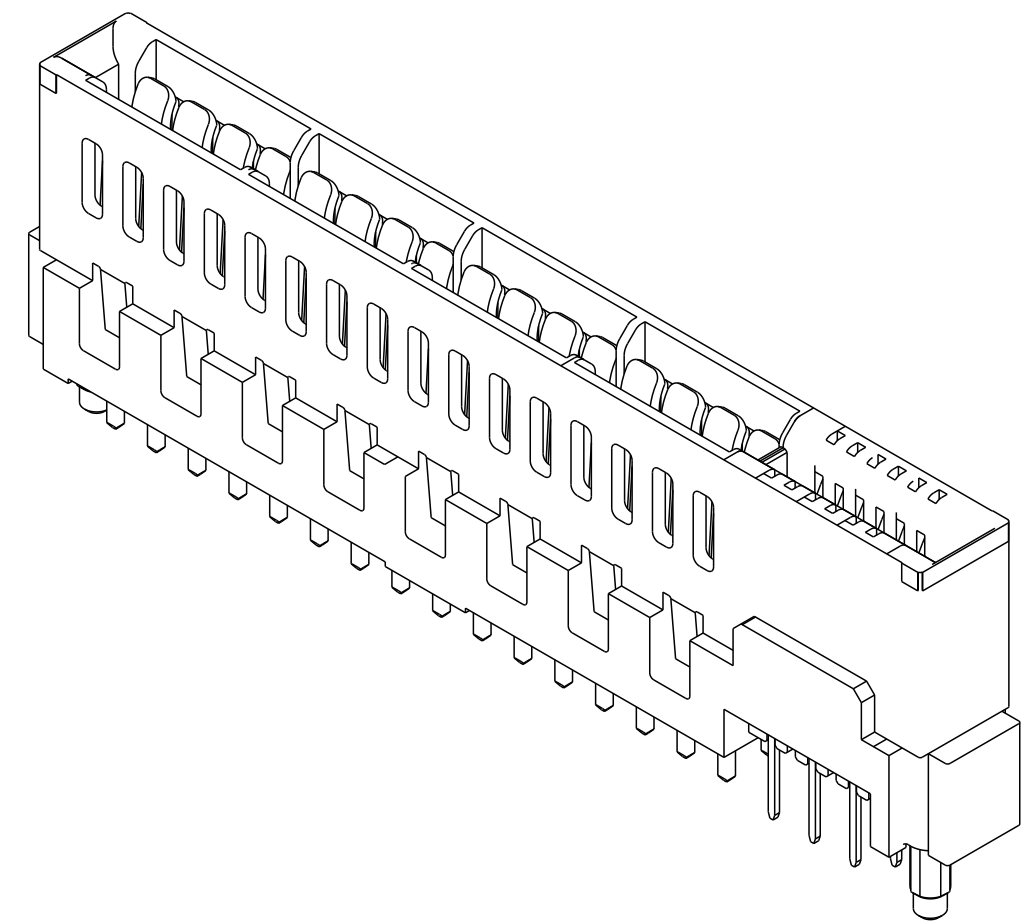


RECOMMENDED MATING BOARD FOOTPRINT

dr	Wei-Long Zhang	2011/04/06	projection	MM	size	A2	scale	4:1
eng	Wei-Long Zhang	2011/12/15			ecn no	ELX-DG-008860-1	rel level	Released
chr	Jon Qin	2011/12/15						
appr	Pei-Ming Zheng	2011/12/15	product family	CARD EDGE	rel level	Released		
			VERT RECT (32P 12S) HIGH POWER CARD EDGE			dwg no 10117936	rev B	
www.fci.com			cat. no.	-	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" RECOMMENDED BOARD THICKNESS
10117936-001LF	SOLDER	YES	3.17 ±0.25	1.59 - 2.38
10117936-002LF	SOLDER	NO		
10117936-003	PRESS-FIT	YES	3.17 ±0.25	1.6 MIN
10117936-003LF	PRESS-FIT	YES		
10117936-004	PRESS-FIT	NO		
10117936-004LF	PRESS-FIT	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

dr	Wei-Long Zhang	2011/04/06	projection	MM	size	A2	scale	4:1	
eng	Wei-Long Zhang	2011/12/15			ecn no	ELX-DG-008860-1			
chr	Jon Qin	2011/12/15			product family	CARD EDGE	rel level	Released	
appr	Pei-Ming Zheng	2011/12/15			title	VERT RECT (32P 12S) HIGH POWER CARD EDGE		rev	B
www.fci.com			cat. no.	-	Product - Customer Drw		sheet 4 of 4		

Copyright FCI. FCI