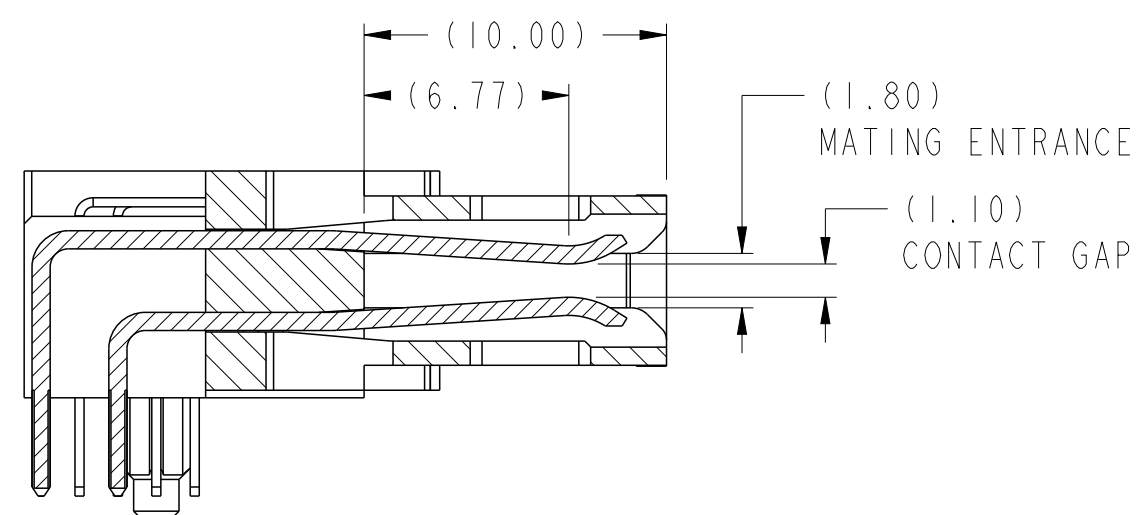
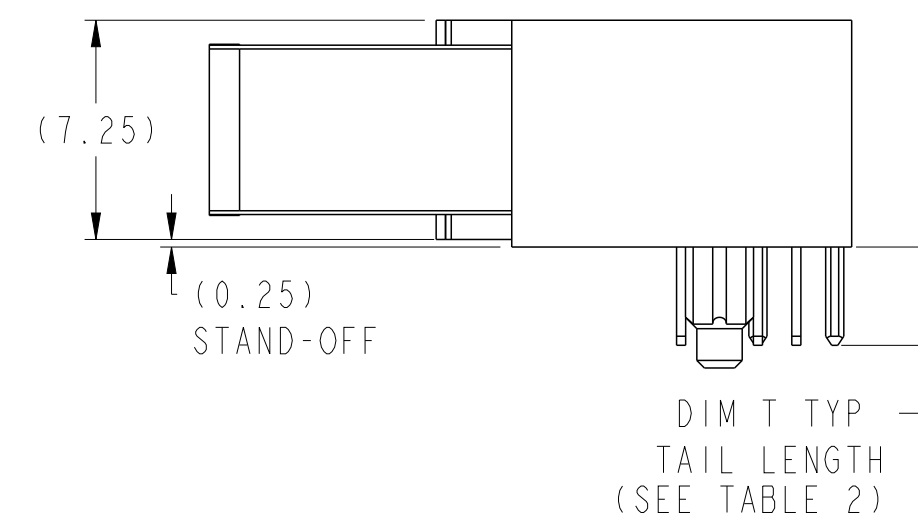
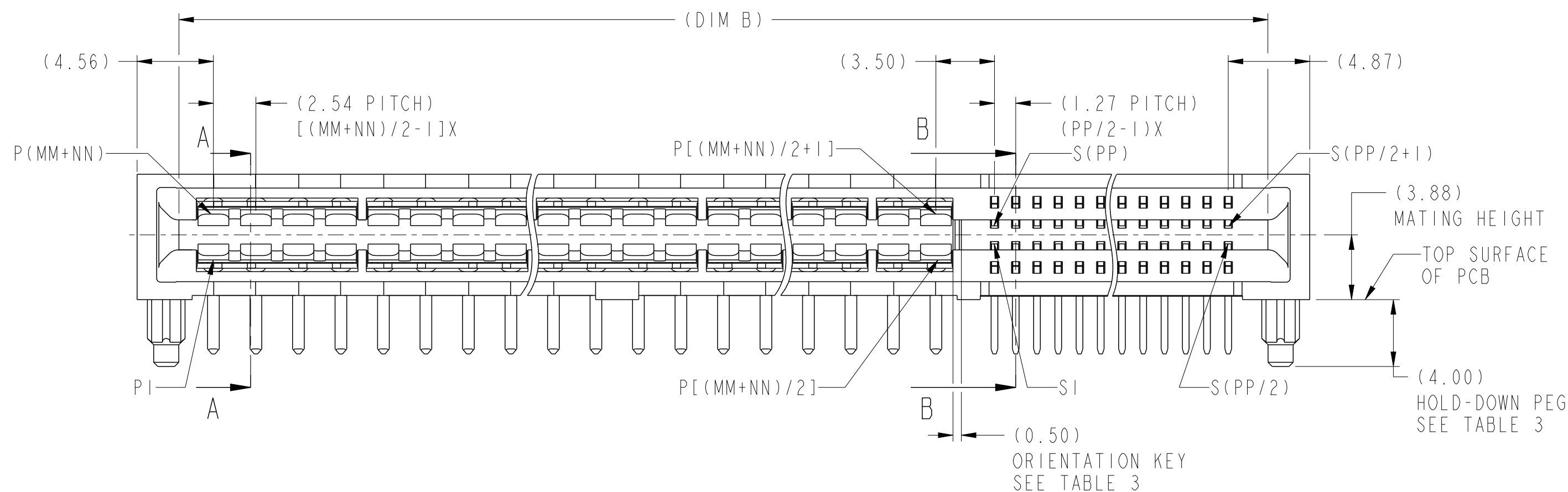
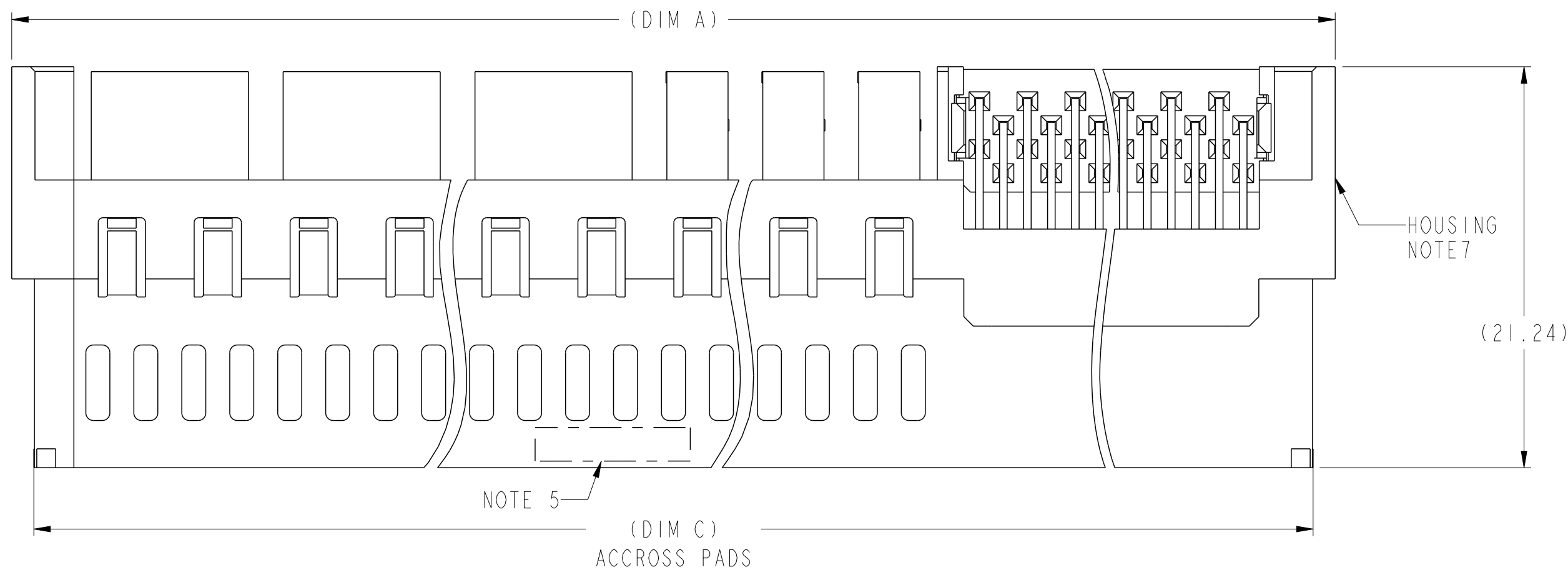
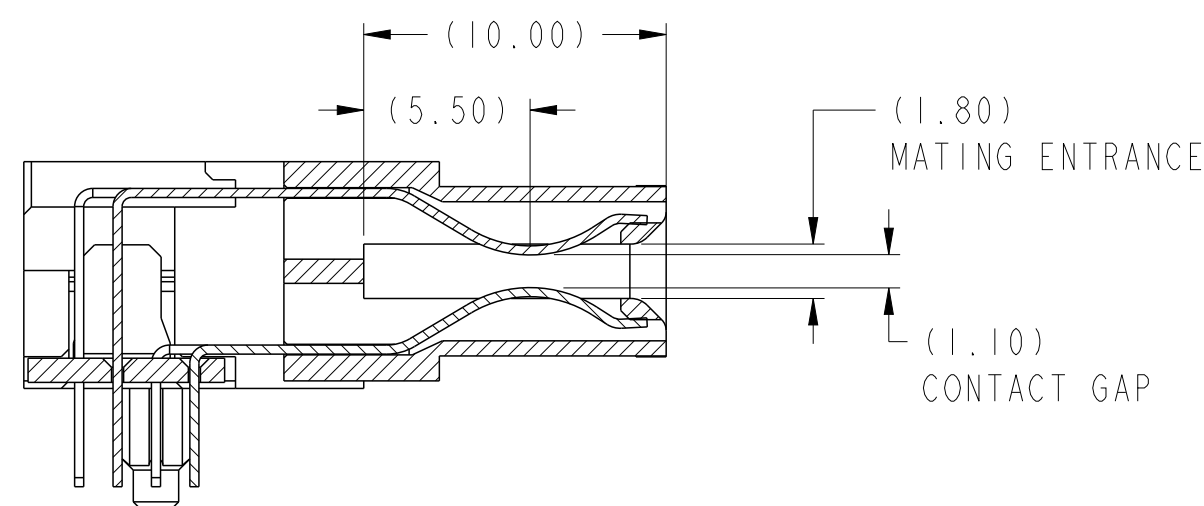




SECTION A-A
SCALE 4:1



SECTION B-B
SCALE 4:1

REV	EC	DR	DATE
A	-	JULIA	2012-08-03

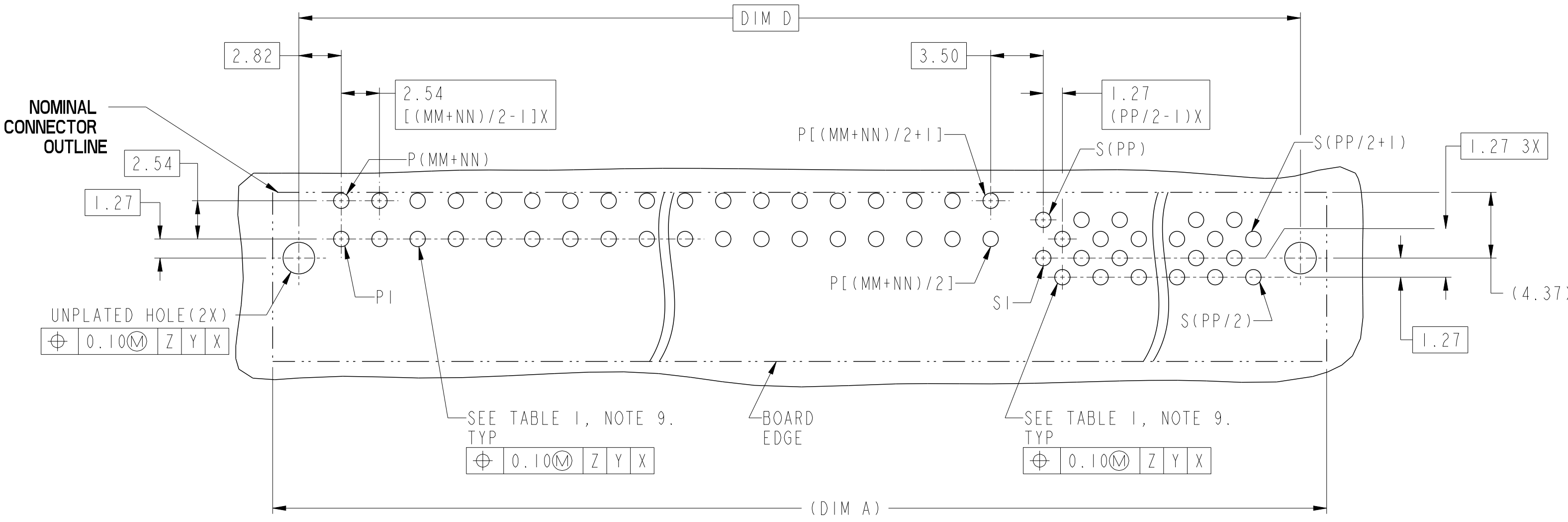
spec ref	-	dr	Wei-Long Zhang	2012/08/02	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Wei-Long Zhang	2012/10/08	chr	-	ecn no	-	rel level	Released
surface	ISO 1302	appr	Pei-Ming Zheng	2012/10/09	product family		cat. no.		Product - Customer Drw	sheet 1 of 4
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°							
R/A RECEPTACLE HIGH POWER CARD EDGE - UNIVERSAL										rev
www.fci.com										A

PDS: Rev :A

STATUS:Released

Printed: Oct 09, 2012

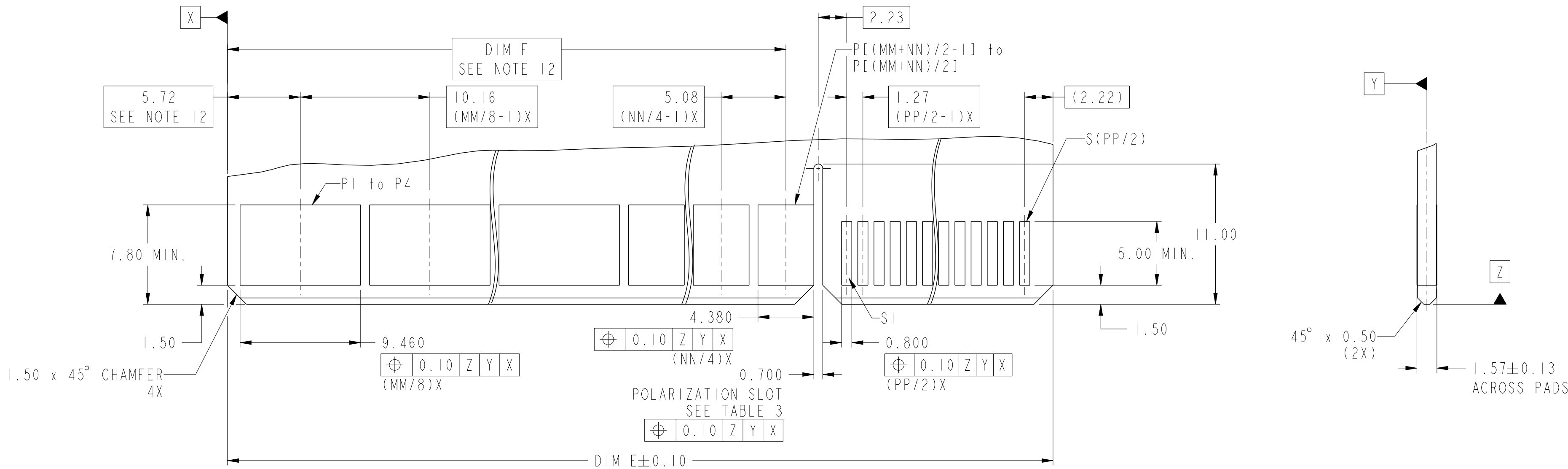
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	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



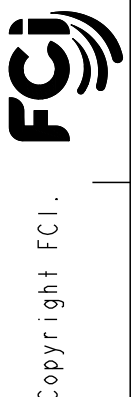
RECOMMENDED PCB LAYOUT

Copyright FCI.

spec ref	-	dr	Wei-Long Zhang	2012/08/02	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Wei-Long Zhang	2012/10/08	chr	-	ecn no	-		
		appr	Pei-Ming Zheng	2012/10/09	product family		rel level	Released		
surface	ISO 1302	linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	FCI	title	R/A RECEPTACLE HIGH POWER CARD EDGE - UNIVERSAL	dwg no	10121510
			www.fci.com	cat. no.		Product - Customer Drw	sheet 2 of 4	rev	A	



RECOMMENDED MATING BOARD
FOOT PRINT



spec ref	-	dr	Wei-Long Zhang	2012/0802	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Wei-Long Zhang	2012/10/08	chr	-	ecn no	-		
surface	ISO 1302	appr	Pei-Ming Zheng	2012/10/09	product family		rel level	Released		
		linear	0.X	±0.3	FCI		title	R/A RECEPTACLE	dwg no	10121510
			0.XX	±0.10	www.fci.com			HIGH POWER CARD EDGE - UNIVERSAL		rev
		angular	0°	±2°	cat. no.			Product - Customer Drw	sheet 3 of 4	A

TABLE 3: PART NUMBER CODE FOR HPCE R/A RECEPTACLE P+S CONFIG

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 (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
- PACKAGING MEETS FCI SPECIFICATION GS-14-937.
- HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
- ALL HOLE SIZES ARE FINISHED HOLE SIZES.
- MOUNTING HOLES ARE UNPLATED
 $\varnothing$ 2.18 +/- 0.03 FOR SOLDER TAILS
- MAXIMUM OVERALL LENGTH IS 100mm.
- DIM IS NOT APPLICABLE IF NO 4 BEAM CONTACT OR 2 BEAM CONTACT.

10121510 - MM NN PP LF

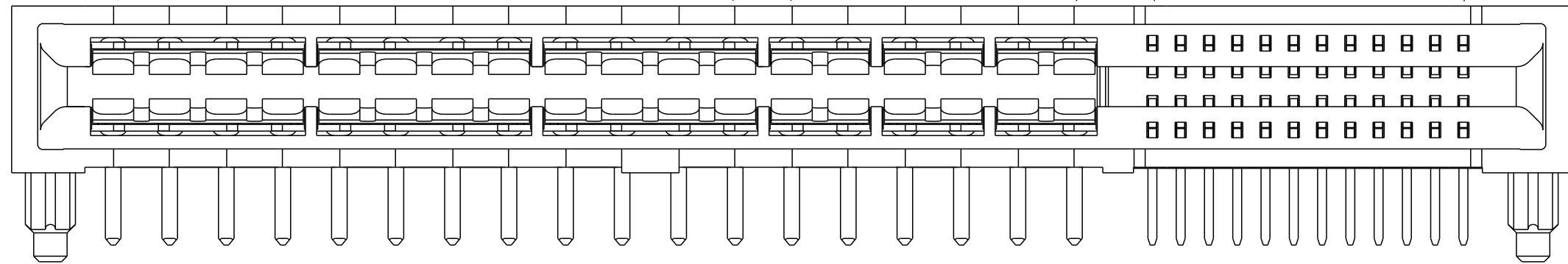
LEAD FREE

	A	B	C	D	E	F	G	H
Tail Length(DIM T)	2.6	2.6	2.6	2.6	3.25	3.25	3.25	3.25
Orientation Key	Y	N	N	Y	Y	N	N	Y
Hold Down Option	Y	Y	N	N	Y	Y	N	N

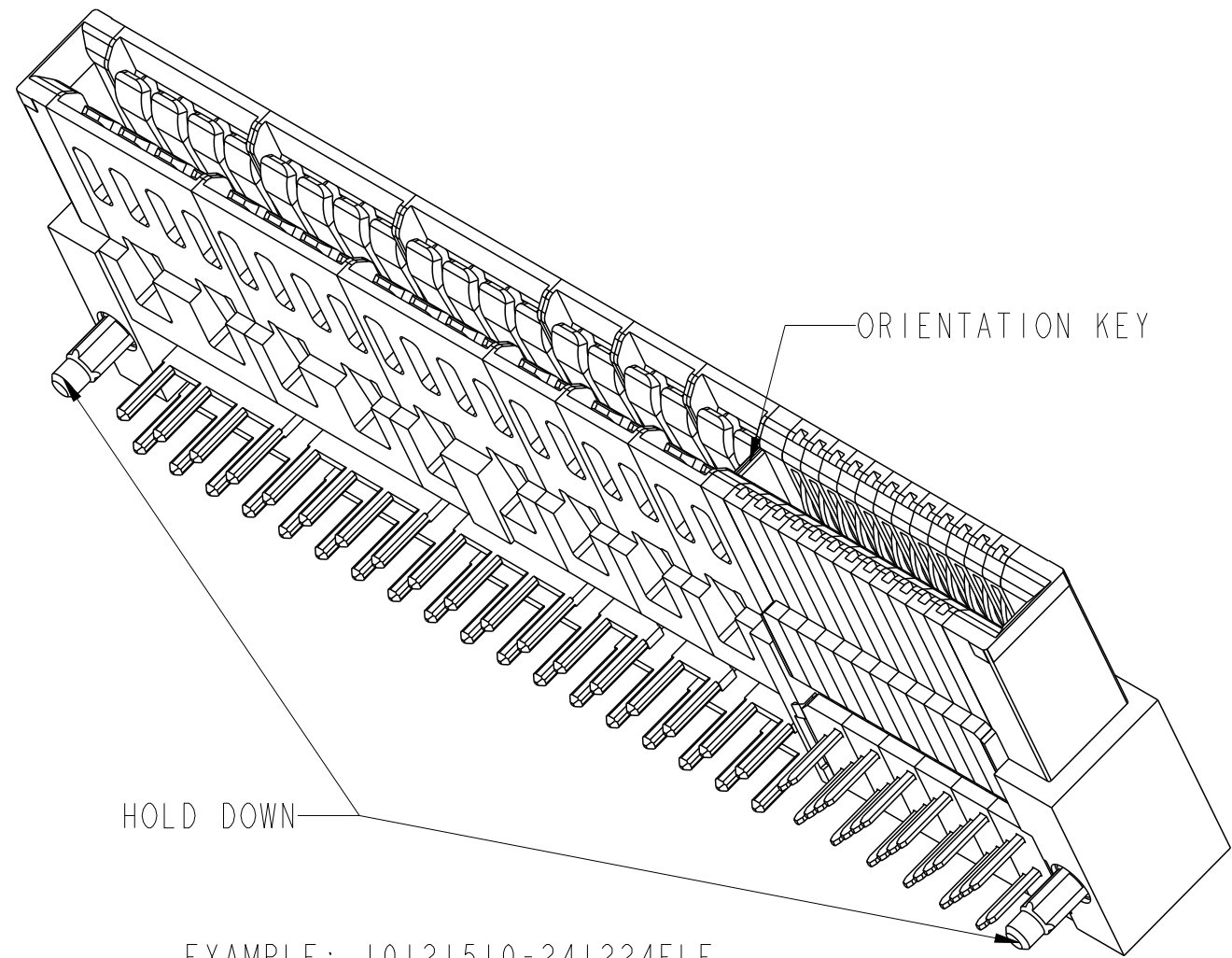
4 BEAM PWR QTY
(NEXT TO LEFT END)

2 BEAM PWR QTY
(NEXT TO SIGNAL)

SIGNAL CONTACT QTY



Example: The Configuration above is 10121510-241224ELF
R/A RECEPTACLE 36P24S with Orientation Key and Hold Down.
24P is 4 beam contacts, 12P is 2 beam contacts.



EXAMPLE: 10121510-241224ELF

DIM	TABLE 2: LENGTH FORMULAS
DIM A ①	$(MM + NN) / 2 \times 2.54 + (PP / 2) \times 1.27 + 9.12$
DIM B	DIM A - 5.00
DIM C	DIM A - 2.34
DIM D	DIM A - 3.48
DIM E	DIM A - 5.30
DIM F ②	$(MM / 8 - 1) \times 10.16 + (NN / 4 - 1) \times 5.08 + 13.34$ (WITH 4 BEAM CONTACT) $(NN / 4 - 1) \times 5.08 + 3.18$ (WITHOUT 4 BEAM CONTACT)
DIM T	2.6 or 3.25

spec ref	-	dr	Wei-Long Zhang	2012/08/02	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Wei-Long Zhang	2012/10/08	chr	-	ecn no	-		
surface	ISO 1302	appr	Pei-Ming Zheng	2012/10/09	product family		rel level	Released		
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	title	R/A RECEPTACLE HIGH POWER CARD EDGE - UNIVERSAL				dwg no	10121510	rev	A
angular	0° ±2°	www.fci.com	cat. no.	Product - Customer Drw			sheet 4 of 4			