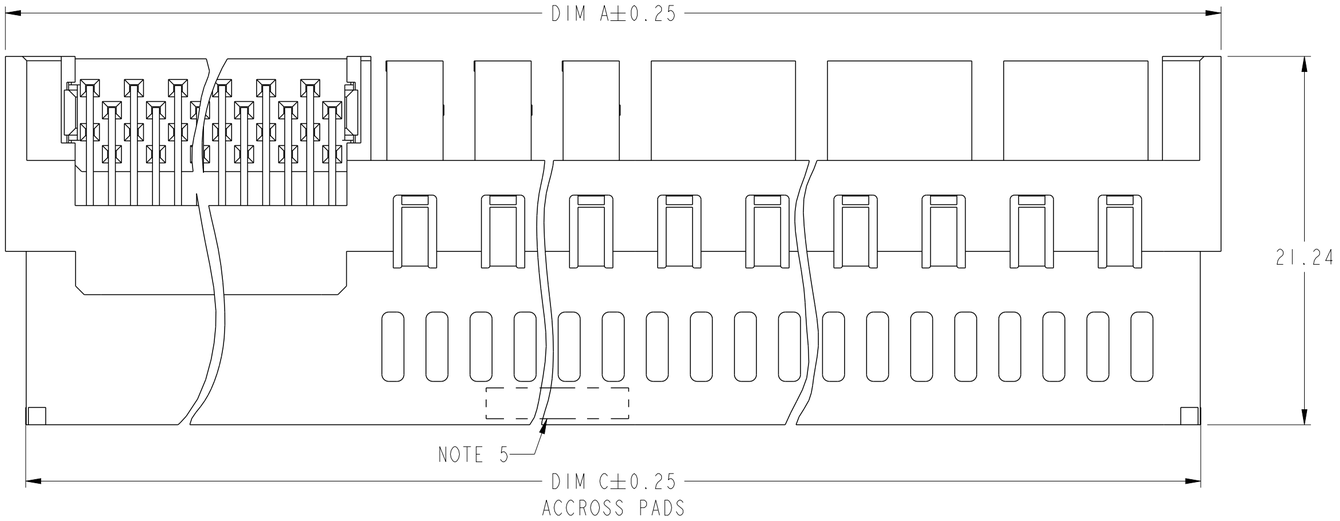
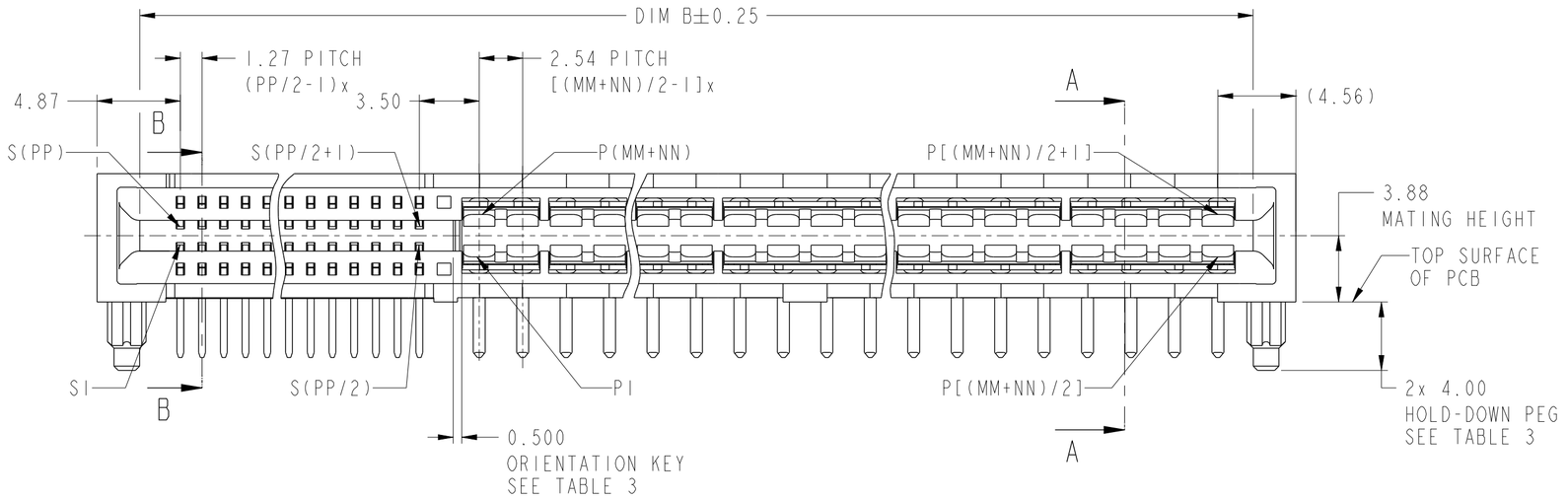
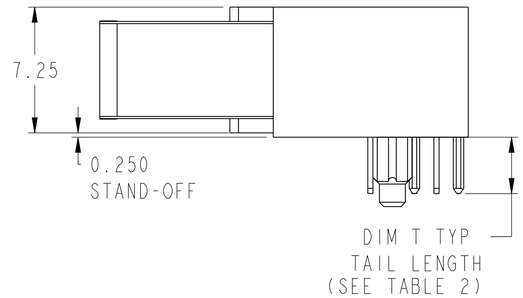
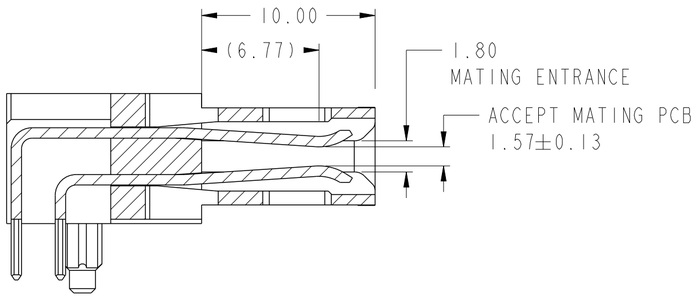
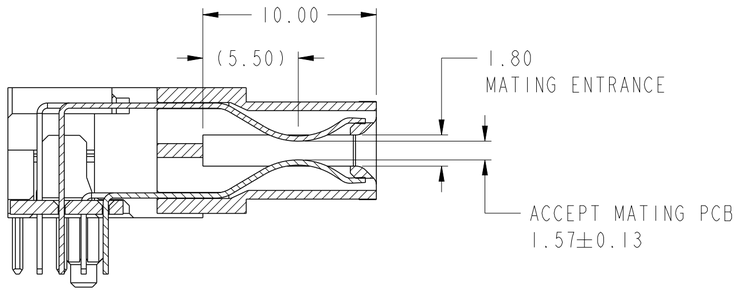








SECTION A-A



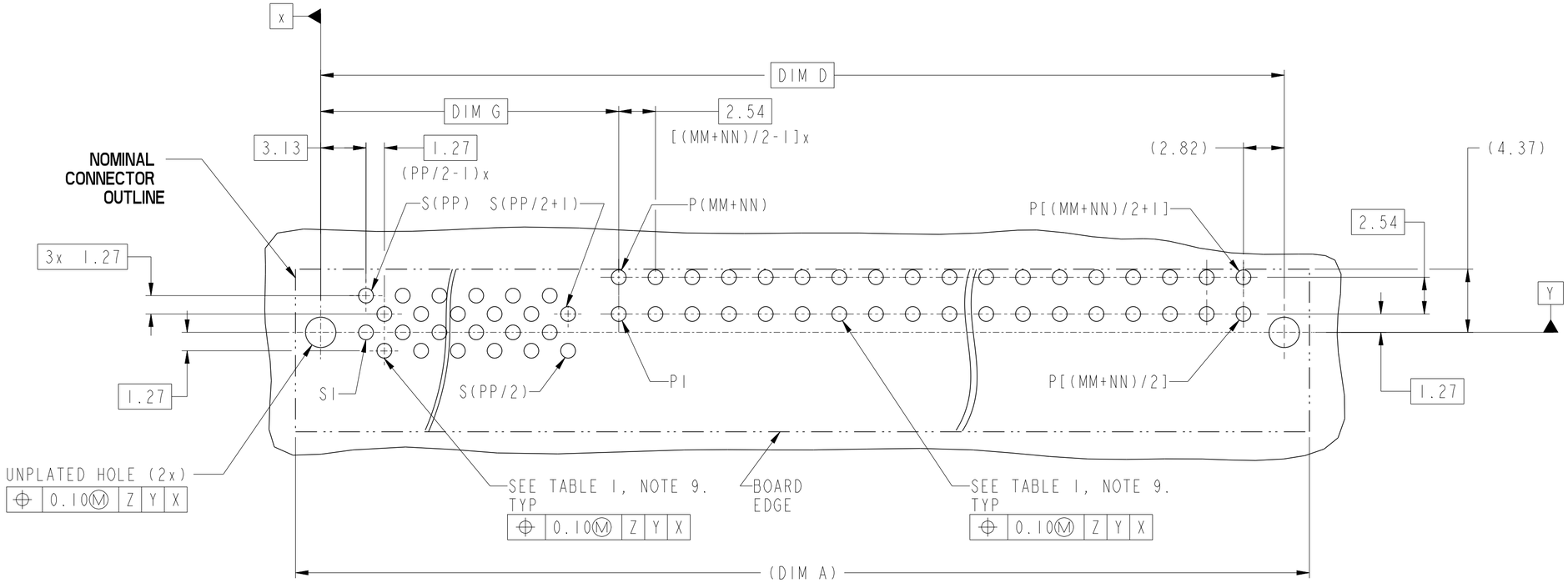
SECTION B-B

REV	EC	DR	DATE
A	-	DM	2014-01-15

spec ref	-			dr	Eric Jiang	2013/09/10	projection
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	De-Ming Lu	2014/01/17	MM
				chr	-	-	size A2 / scale 4:1
				appr	Pei-Ming Zheng	2014/01/17	ecn no -
surface ISO 1302	linear	0.X	±0.5	product family			rel level Released
		0.XX	±0.25	FCI	title: R/A REC S+P STANDARD HIGH POWER CARD EDGE - UNIVERSAL		dwg no 10126619 / rev A
		0.XXX	±0.10	www.fci.com	cat. no.	Product - Customer Drw	sheet 1 of 4
	angular	0°	±2°				

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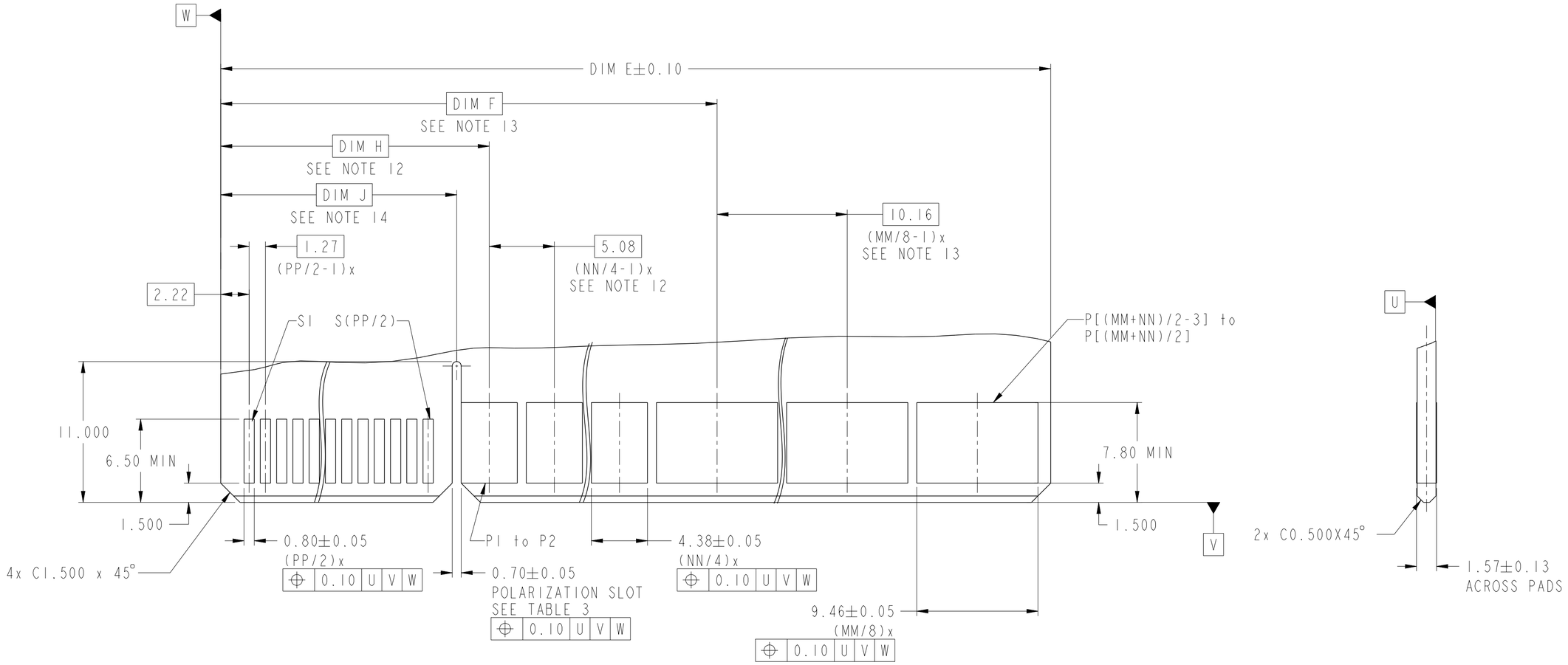
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN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

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spec ref	-			dr	Eric Jiang	2013/09/10	projection	MM	size A2	scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	De-Ming Lu	2014/01/17				
				chr	-	-			ecn no	-
				appr	Pei-Ming Zheng	2014/01/17	product family		rel level	Released
surface ISO 1302	linear	0.X	±0.5	FCI www.fci.com	title	R/A REC S+P STANDARD HIGH POWER CARD EDGE - UNIVERSAL			dwg no 10126619	rev A
		0.XX	±0.25							
		0.XXX	±0.10							
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 2 of 4	



RECOMMENDED MATING BOARD FOOT PRINT

Copyright FCI.

spec ref	-			dr	Eric Jiang	2013/09/10	projection	MM	size A2 / scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	De-Ming Lu	2014/01/17			ecn no -
				chr	-	-			
				appr	Pei-Ming Zheng	2014/01/17	product family		rel level Released
surface ISO 1302	linear	0.X	±0.5	FCI	title	R/A REC S+P STANDARD		dwg no 10126619	rev A
		0.XX	±0.25			HIGH POWER CARD EDGE - UNIVERSAL			
		0.XXX	±0.10						
	angular	0°	±2°	www.fci.com	cat. no.		Product - Customer Drw		sheet 3 of 4

10126619 - MM NN PP _ LF

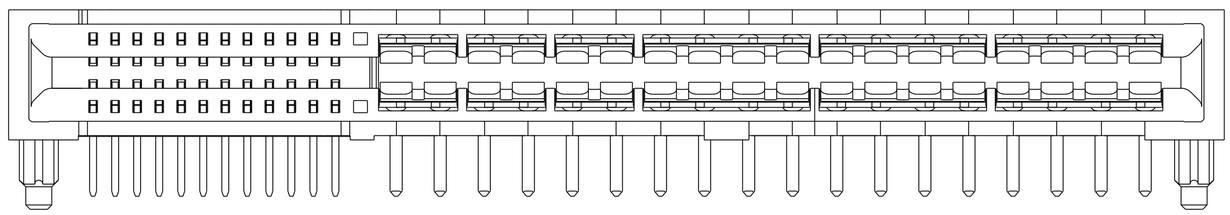
LEAD FREE

PP — SIGNAL CONTACT QTY

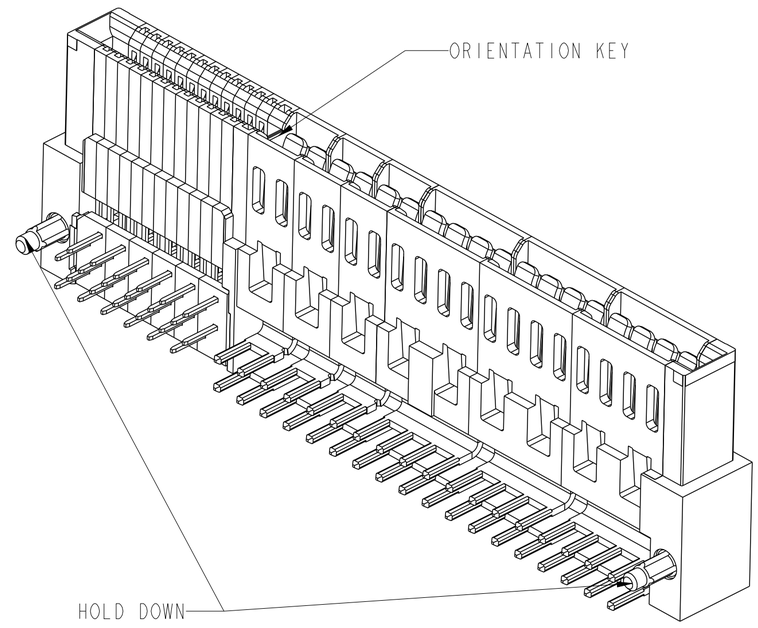
NN — 2 BEAM PWR QTY (NEXT TO SIGNAL)

MM — 4 BEAM PWR QTY (NEXT TO RIGHT END)

	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



Example: The Configuration above is 10126619-241224ELF
R/A RECEPTACLE 24S36P with Orientation Key and Hold Down.
24P is 4 beam contacts, 12P is 2 beam contacts.



EXAMPLE: 10126619-241224ELF

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

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 2.18 +/- 0.03 FOR SOLDER TAILS
11. MAXIUM OVERALL LENGTH IS 100mm.
12. DIM IS NOT APPLICABLE IF NO 2 BEAM CONTACT.
13. DIM IS NOT APPLICABLE IF NO 4 BEAM CONTACT.
14. DIM IS NOT APPLICABLE IF NO ORIENTATION KEY.

DIM	TABLE 2: LENGTH FORMULAS
DIM A (11)	(MM + NN) / 2 x 2.54 + (PP / 2) x 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	(PP / 2 - 1) x 1.27 + (NN / 4 - 1) x 5.08 + 14.61 (WITH 2 BEAM CONTACT)
	(PP / 2 - 1) x 1.27 + 9.53 (WITHOUT 2 BEAM CONTACT)
DIM G	(PP / 2 - 1) x 1.27 + 6.63
DIM H	(PP / 2 - 1) x 1.27 + 6.99
DIM J	(PP / 2 - 1) x 1.27 + 4.45
DIM T	2.6 or 3.25

spec ref	-		dr	Eric Jiang	2013/09/10	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	De-Ming Lu	2014/01/17		
			chr	-	-		
			appr	Pei-Ming Zheng	2014/01/17	product family	
surface ISO 1302	linear	0.X ±0.5	FCI www.fci.com			title: R/A REC S+P STANDARD HIGH POWER CARD EDGE - UNIVERSAL	dwg no: 10126619
		0.XX ±0.25					
		0.XXX ±0.10					
	angular	0° ±2°	cat. no.			Product - Customer Drw	

size A2 | scale 4:1 | ecn no - | rel level Released | rev A | sheet 4 of 4

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