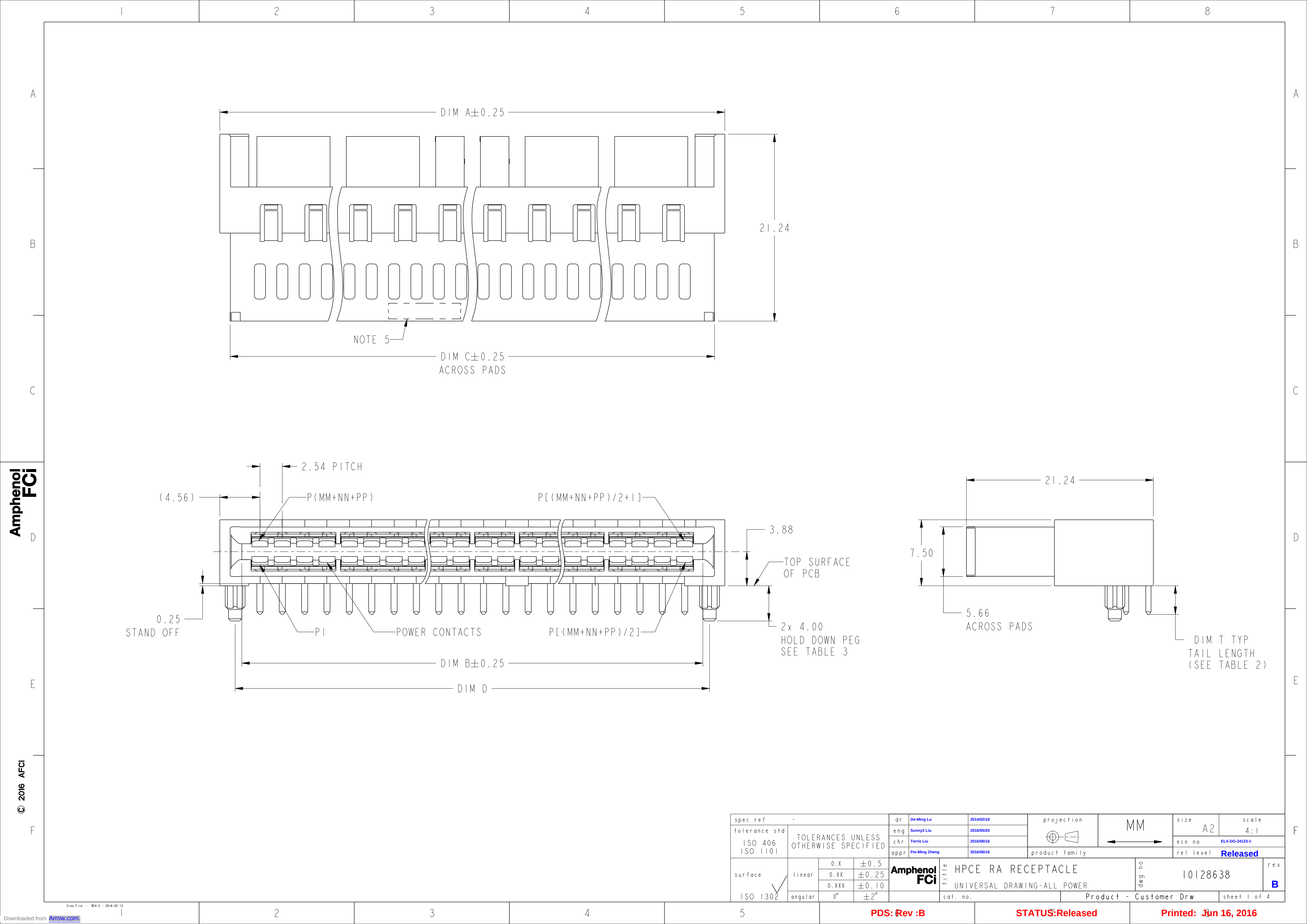
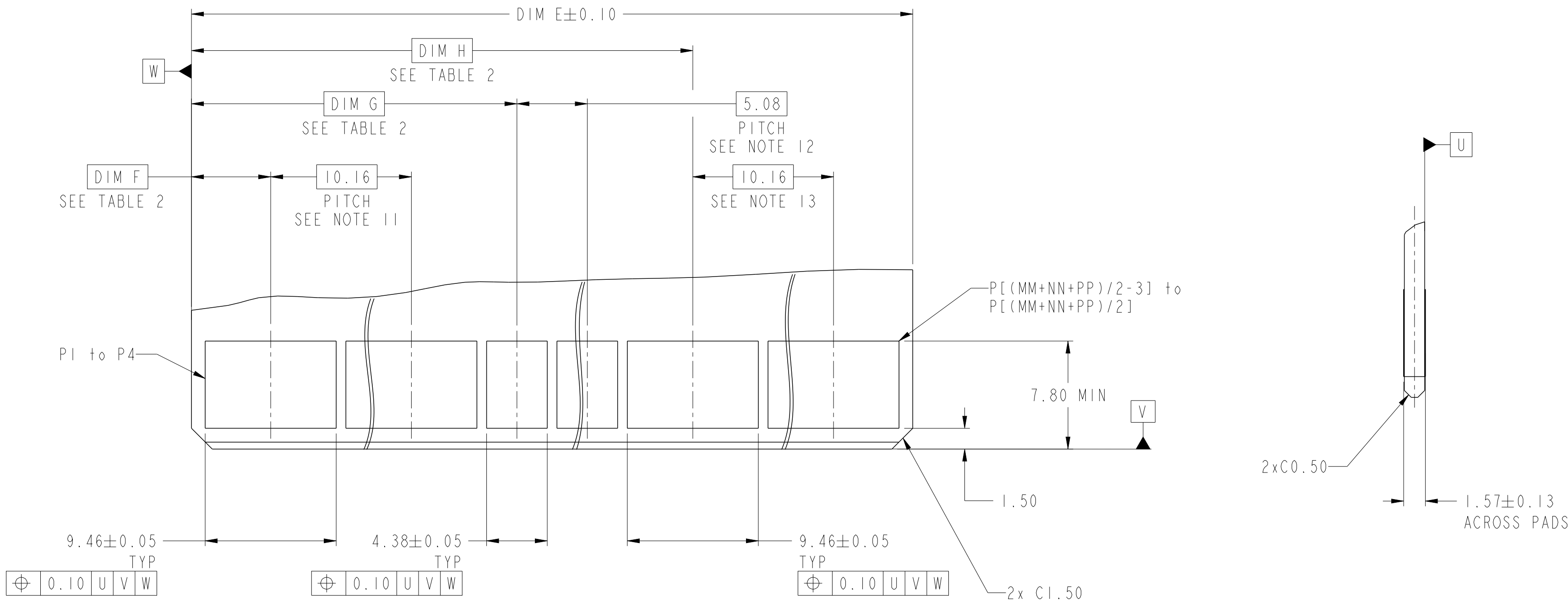




Amphenol
FCi

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RECOMMENDED MATING BOARD
FOOT PRINT

spec ref		-		dr		De-Ming Lu		2014/02/18		projection		MM		size		A2		scale		4:1	
tolerance std		ISO 406		eng		Sunny2 Liu		2016/09/20						ecn no		ELX-DG-24133-1					
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Terris Liu		2016/06/16						rel level		Released					
				appr		Pei-Ming Zheng		2016/06/16						product family							
surface		linear		0.X		±0.5		Amphenol FCI		title		HPCE RA RECEPTACLE UNIVERSAL DRAWING-ALL POWER		dwg no		10128638		rev		B	
		0.XX		±0.25																	
		0.XXX		±0.10																	
ISO 1302		angular		0°		±2°		cat. no.		Product - Customer Drw		sheet 3 of 4									

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 IN AREA SHOWN MEETS FCI SPECIFICATION GS-24-007.

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

7. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.

8. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

9. MOUNTING HOLES ARE UNPLATED
 $\varnothing 2.18 \pm 0.03$ FOR SOLDER TAILS

10. MAXIMUM OVERALL LENGTH IS 100mm.

11. DIM IS NOT APPLICABLE IF NO LEFT 4 BEAM CONTACT.

12. DIM IS NOT APPLICABLE IF NO 2 BEAM CONTACT.

13. DIM IS NOT APPLICABLE IF NO RIGHT 4 BEAM CONTACT.

14. A SYMBOL $\triangle B$ WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

10128638

MM

NN

PP

LF

LEAD FREE

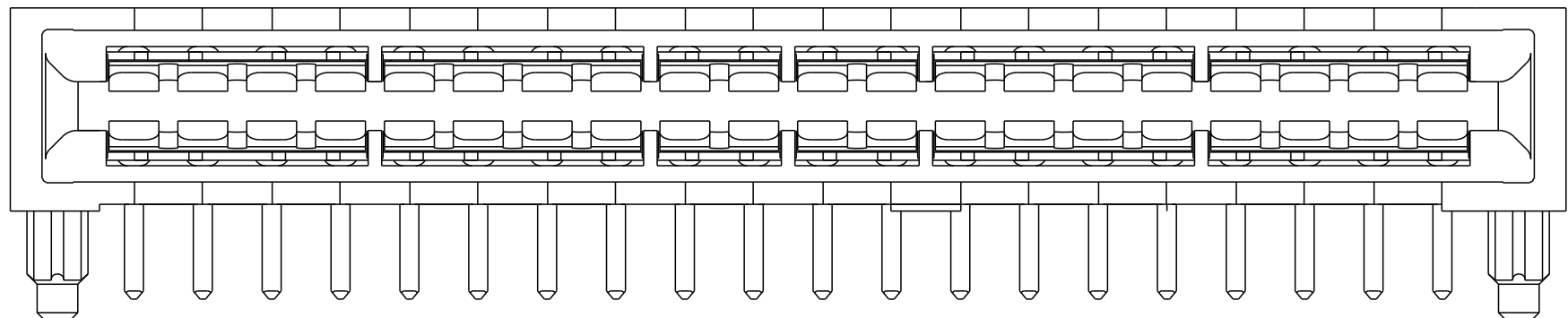
$\triangle B$

	A	B	C	D	E	F	G	H
Tail Length(DIM T)	2.60	2.60	3.25	3.25	4.05	4.05	4.85	4.85
Hold Down Option	Y	N	Y	N	Y	N	Y	N

4 BEAM PWR QTY
(NEXT TO LEFT END)

2 BEAM PWR QTY
(IN THE MIDDLE)

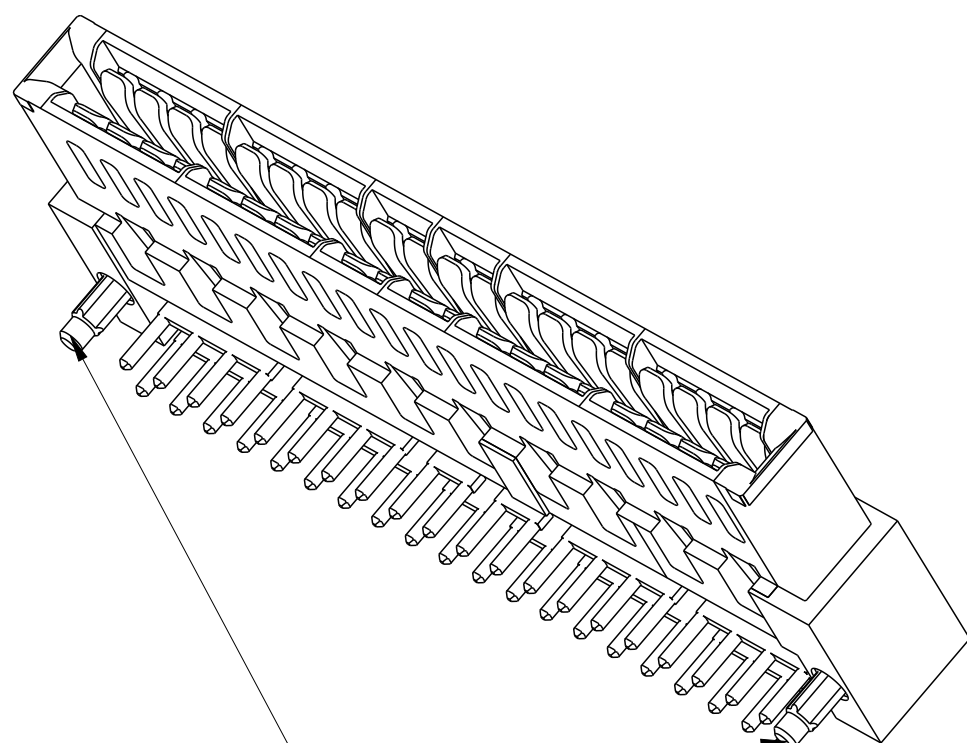
4 BEAM PWR QTY
(NEXT TO RIGHT END)



CONFIGURATION:

I: 4BEAM (NN = 00 AND PP = 00);
II: 2 BEAM (MM = 00 AND PP = 00);
III: 4 BEAM + 2 BEAM (PP = 00);
IV: 2 BEAM + 4 BEAM (MM = 00);
V: 4 BEAM + 2 BEAM + 4 BEAM.

Example: The Configuration above is 10128638-160816CLF
R/A RECEPTACLE 40P with Hold Down.
32P is 4 beam contacts, 8P is 2 beam contacts.

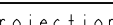
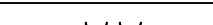


HOLD DOWN

EXAMPLE: 10128638-160816CLF

TABLE 3: PART NUMBER CODE FOR HPCE R/A RECEPTACLE P CONFIGURATION

DIM	TABLE 2: LENGTH FORMULAS	
DIM A $\textcircled{10}$	$(MM + NN + PP) / 2 \times 2.54 + 6.58$	
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	CONFIG. I	5.72
	CONFIG. II	-
	CONFIG. III	5.72
	CONFIG. IV	-
	CONFIG. V	5.72
DIM G	CONFIG. I	-
	CONFIG. II	3.18
	CONFIG. III	$(MM / 8 - 1) \times 10.16 + 13.34$
	CONFIG. IV	3.18
	CONFIG. V	$(MM / 8 - 1) \times 10.16 + 13.34$
DIM H	CONFIG. I	-
	CONFIG. II	-
	CONFIG. III	-
	CONFIG. IV	$(NN / 4 - 1) \times 5.08 + 10.80$
	CONFIG. V	$(MM / 8 - 1) \times 10.16 + (NN / 4 - 1) \times 5.08 + 20.96$
DIM T	2.60, 3.25, 4.05 or 4.85	

spec ref		-		dr	De-Ming Lu	2014/02/18			size	A2	scale	4:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sunny2 Liu	2016/05/20			ecn no	ELX-DG-24133-1				
ISO 406 ISO 1101				chr	Terris Liu	2016/06/16			rel level		Released			
				appr	Pei-Ming Zheng	2016/06/16	product family							
surface		linear	0.X	±0.5	Amphenol FCI	title	HPCE RA RECEPTACLE UNIVERSAL DRAWING-ALL POWER			dwg no	10128638		rev	B
			0.XX	±0.25										
			0.XXX	±0.10										
		angular	0°	±2°										
ISO 1302				cat. no.		Product - Customer Drw			sheet 4 of 4					