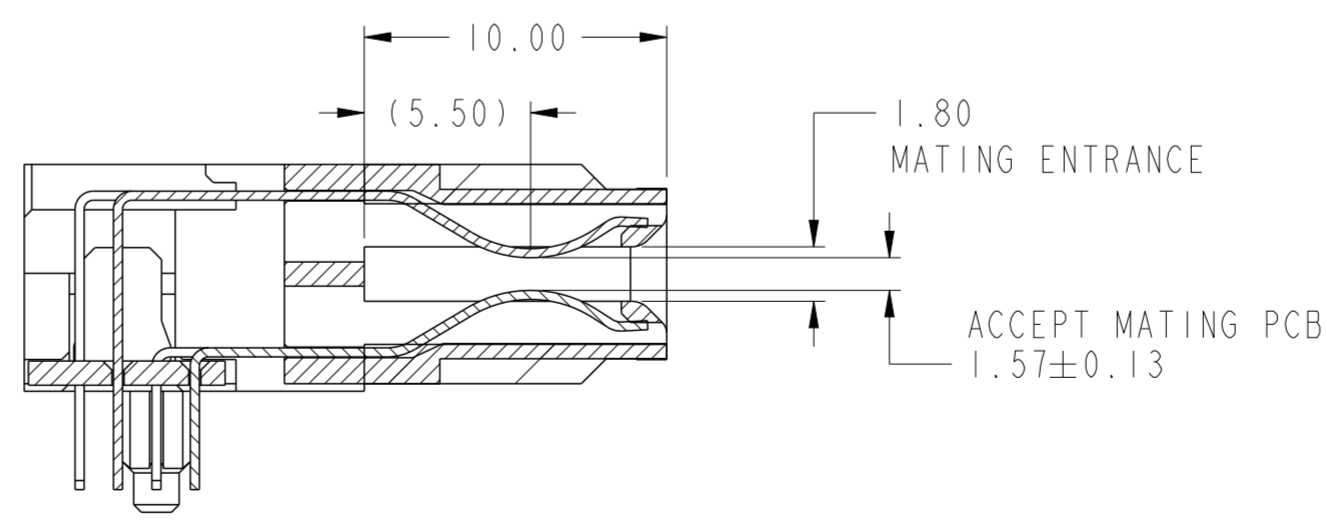


SECTION A-A



SECTION B-B

spec ref	-	dr	De-Ming Lu	2014/03/05	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/05/20						
surface	linear	0.X	±0.5		R/A RECT - ENHANCED WALLS		dwg no 10128622	rev C		
		0.XX	±0.25		S+P CONFIGURATION- UNIVERSAL					
	angular	0°	±2°							

PDS: Rev :C

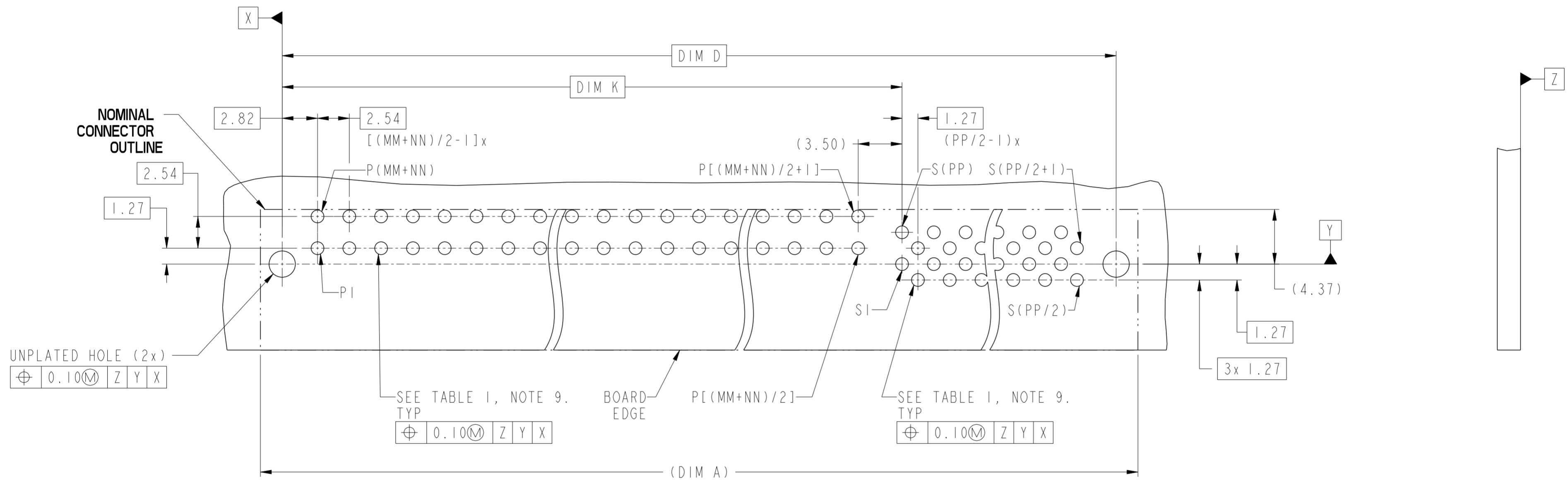
STATUS:Released

Printed: May 24, 2016

Amphenol FCI

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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

spec ref	-	dr	De-Ming Lu	2014/03/05	projection	MM	size	A2	scale	4:1	
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1	rel level	Released	
surface	linear	0.X	±0.5								
		0.XX	±0.25								
		0.XXX	±0.10								
	angular	0°	±2°								
TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI		R/A RECT - ENHANCED WALLS		S+P CONFIGURATION- UNIVERSAL		10128622		rev	C
		cat. no.		Product - Customer Drw		sheet 2 of 4					

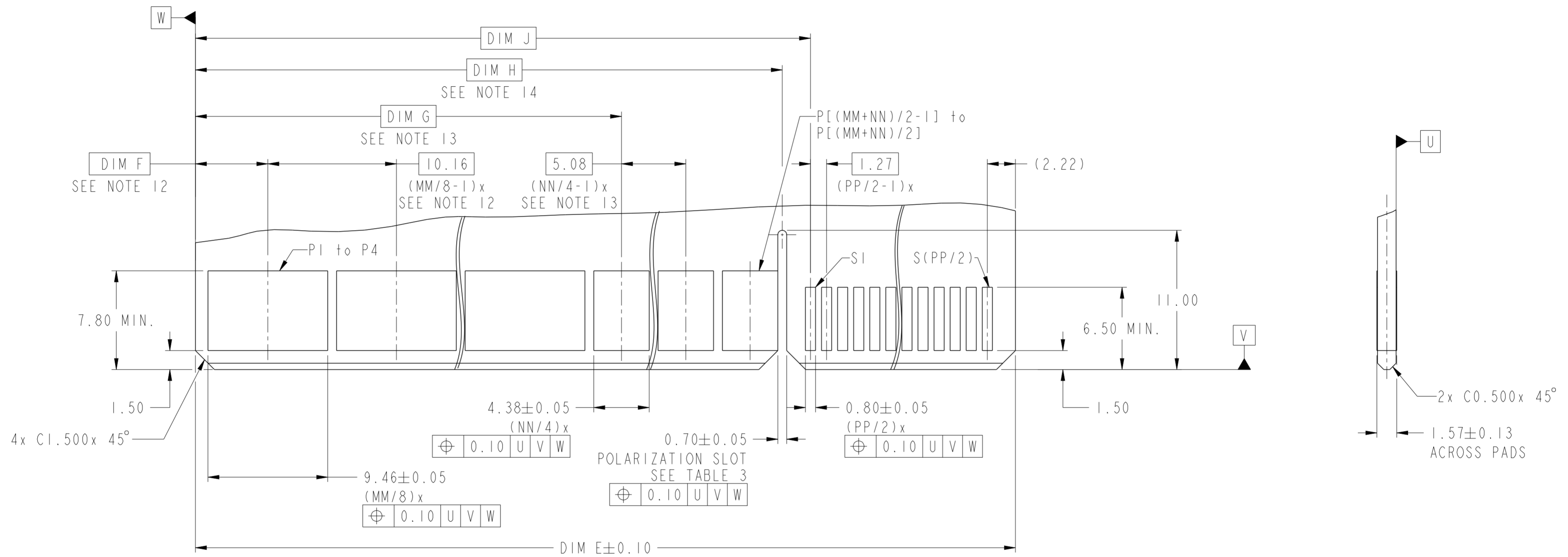
PDS: Rev :C

STATUS:Released

Printed: May 24, 2016

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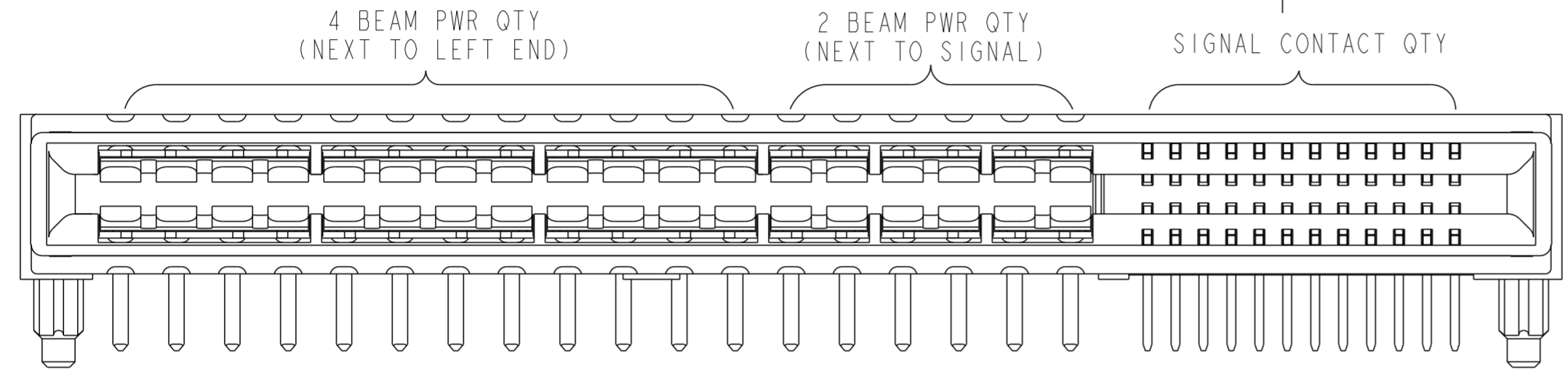
## RECOMMENDED MATING BOARD FOOT PRINT

spec ref -		dr De-Ming Lu	2014/03/05	projection	MM	size A2	scale 4:1												
tolerance std ISO 406 ISO 1101		eng Sunny2 Liu	2016/05/06			ecn no ELX-DG-24036-1	rel level Released												
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr Terris Liu	2016/05/20																
surface ISO 1302		appr Pei-Ming Zheng	2016/05/24	product family		cat. no.	sheet 3 of 4												
<table border="1" style="font-size: small;"> <tr> <td>linear</td> <td>0.X</td> <td>±0.5</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.25</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.10</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>		linear	0.X	±0.5		0.XX	±0.25		0.XXX	±0.10	angular	0°	±2°			title R/A RECT - ENHANCED WALLS S+P CONFIGURATION- UNIVERSAL		dwg no 10128622	rev C
linear	0.X	±0.5																	
	0.XX	±0.25																	
	0.XXX	±0.10																	
angular	0°	±2°																	

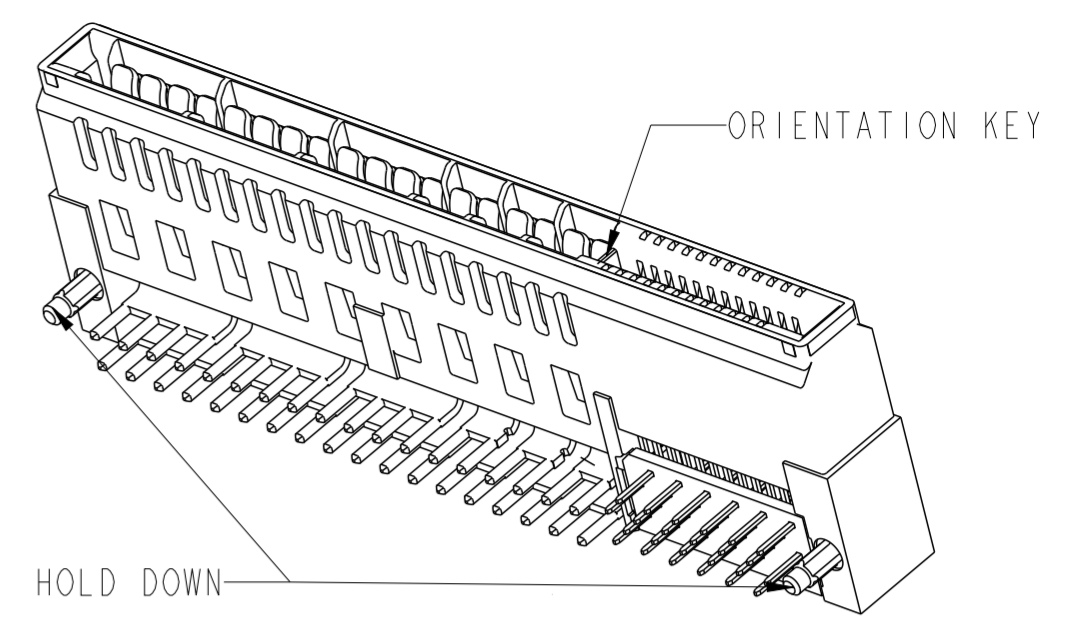
10128622 - MM NN PP LF LEAD FREE

	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

J	K	L	M
2.10	2.10	2.10	2.10
Y	N	N	Y
Y	Y	N	N



CONFIGURATION:  
 I: 2BEAM (MM = 00);  
 II: 4BEAM (NN = 00);  
 III: 4BEAM + 2BEAM;



EXAMPLE: 10128622-241224ELF

Example: The Configuration above is 10128622-241224ELF  
 R/A RECEPTACLE 36P24S with Orientation Key and Hold Down.  
 24P is 4 beam contacts, 12P is 2 beam contacts.

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 ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.
- 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.
- DIM IS NOT APPLICABLE IF NO 2 BEAM CONTACT.
- DIM IS NOT APPLICABLE IF NO ORIENTATION KEY.
- ASMEYD SYMBOL WILL BE NEXT ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH CURRENT DRAWING VERSION

DIM	TABLE 2: LENGTH FORMULAS	
DIM A (D)	$(MM + NN) / 2 \times 2.54 + (PP / 2) \times 1.27 + 9.12$	
DIM B	DIM A - 5.00	
DIM C	DIM A - 0.94	
DIM D	DIM A - 3.48	
DIM E	DIM A - 5.30	
DIM F	CONFIG. I	5.72
	CONFIG. II	-
	CONFIG. III	5.72
DIM G	CONFIG. I	-
	CONFIG. II	3.18
	CONFIG. III	$(MM / 8 - 1) \times 10.16 + 13.34$
DIM H	$(MM / 8 - 1) \times 10.16 + (NN / 4 - 1) \times 5.08 + 15.88$	
DIM J	$(MM / 8 - 1) \times 10.16 + (NN / 4 - 1) \times 5.08 + 18.11$	
DIM K	$[(MM + NN) / 2 - 1] \times 2.54 + 6.32$	
DIM T	2.6 or 3.25	

spec ref	-	dr	De-Ming Lu	2014/03/05	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/05/20				rel level	Released	
surface	linear	angular	0.X	±0.5	product family		cat. no.	10128622	Product - Customer Drw	sheet 4 of 4
			0.XX	±0.25	R/A RECT - ENHANCED WALLS					
			0.XXX	±0.10	S+P CONFIGURATION- UNIVERSAL					
			0°	±2°	Amphenol FCI					

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