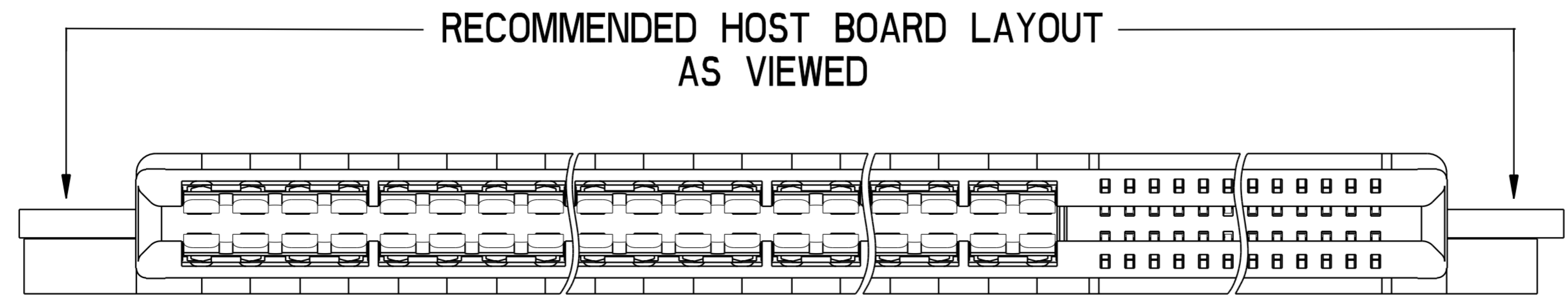
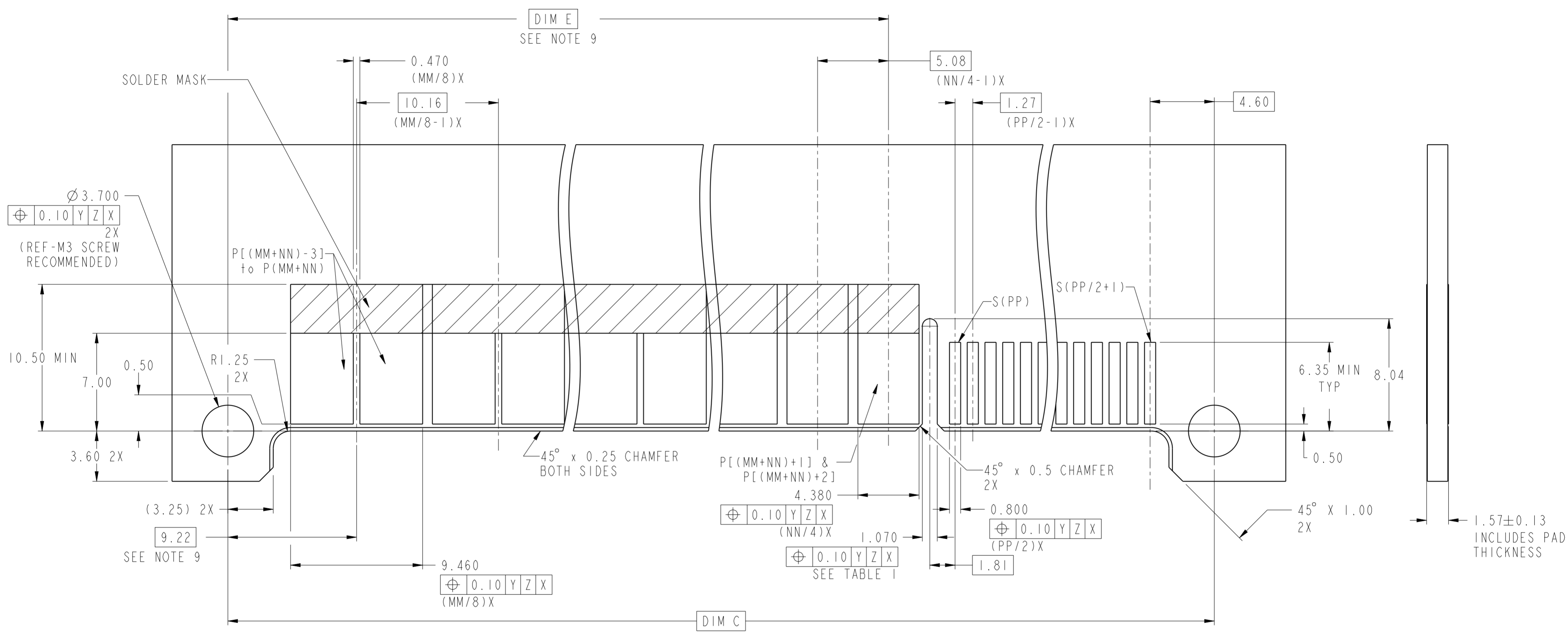


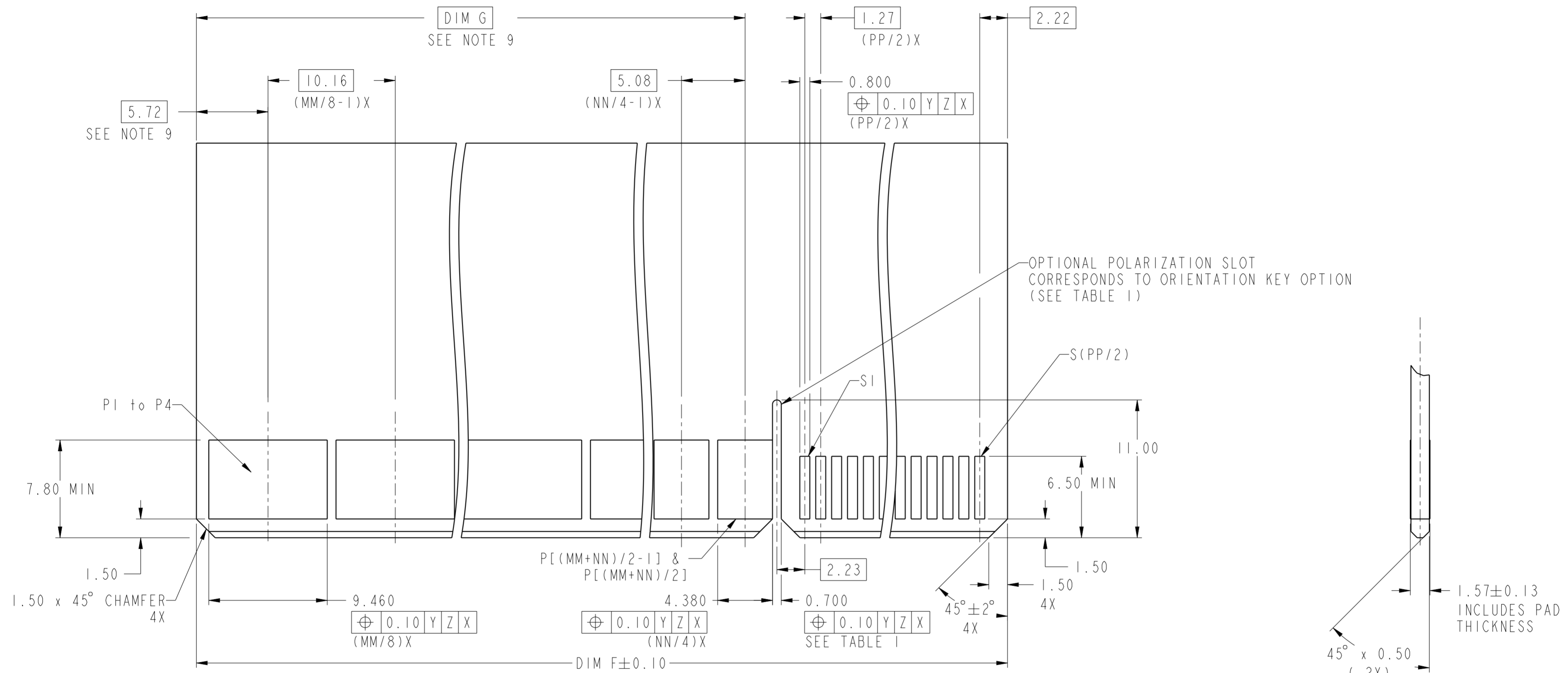
spec ref	-	dr	Wei-Long Zhang	2012/08/09	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	size
tolerance std	ISO 406 ISO 1101	eng	Ada Ye	2021/08/30		ec n no	4:1	A2
surface	TOLERANCES UNLESS OTHERWISE SPECIFIED	r w r	-	-		rel level	Released	
		appr	Zheng, Pei-Min	2021/08/30	product family	CARD EDGE	Product - Customer Drw	sheet 1 of 4
		projection			title	STD STRADDLE MT	cat. no.	10122237
					rel level	Released	rev	C

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spec ref	-	dr	Wei-Long Zhang	2012/08/09	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	2:1	size	A2
tolerance std	ISO 406 ISO 1101	eng	Ada Ye	2021/08/30		ecn no	ELX-DG-42143-1	rel level	Released	
surface	ISO 1302	fwvr	-	-		cat. no.	10122237	rev	C	
TOLERANCES UNLESS OTHERWISE SPECIFIED linear: 0.X ±0.3, 0.XX ±0.1, 0.XXX ±0.05 angular: 0° ±°		projection			title: STD STRADDLE MT HIGH POWER CARD EDGE - UNIVERSAL		Product - Customer Drw		sheet 2 of 4	



RECOMMENDED MATING BOARD FOOTPRINT

spec ref	-	dr	Wei-Long Zhang	2012/08/09	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	size		
tolerance std	ISO 406 ISO 1101	eng	Ada Ye	2021/08/30		ec n no	1:1	A2		
TOLERANCES UNLESS OTHERWISE SPECIFIED		f v w r	-	-		rel level	Released			
surface	linear	0.X	±0.3	projection 	title	STD STRADDLE MT	dig no	10122237	rev	C
	angular	0°	±°		product family	HIGH POWER CARD EDGE - UNIVERSAL	cat. no.	-	sheet 3 of 4	
ISO 1302		app r		Zheng, Pei-Min	2021/08/30	Product - Customer Drw				

10122237 - MM NN PP LF

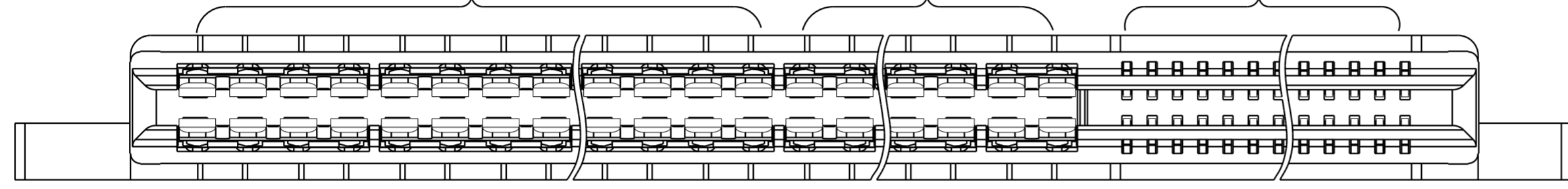
LEAD FREE

	LEAD FREE								HALOGEN FREE							
	A	B	C	D	E	F	G	H	I	2	3	4	5	6	7	8
MOUNTING EARS	Y	Y	Y	N	N	Y	N	Y	Y	Y	N	N	N	Y	N	
POLARIZATION KEY	Y	N	N	Y	N	N	Y	Y	Y	N	N	Y	N	N	Y	Y
REAR KEY	Y	Y	N	Y	Y	N	N	Y	Y	N	Y	Y	N	N	N	

4 BEAM PWR CONTACT QTY
(NEXT TO LEFT END)

2 BEAM PWR CONTACT QTY
(NEXT TO SIGNAL)

SIGNAL CONTACT QTY

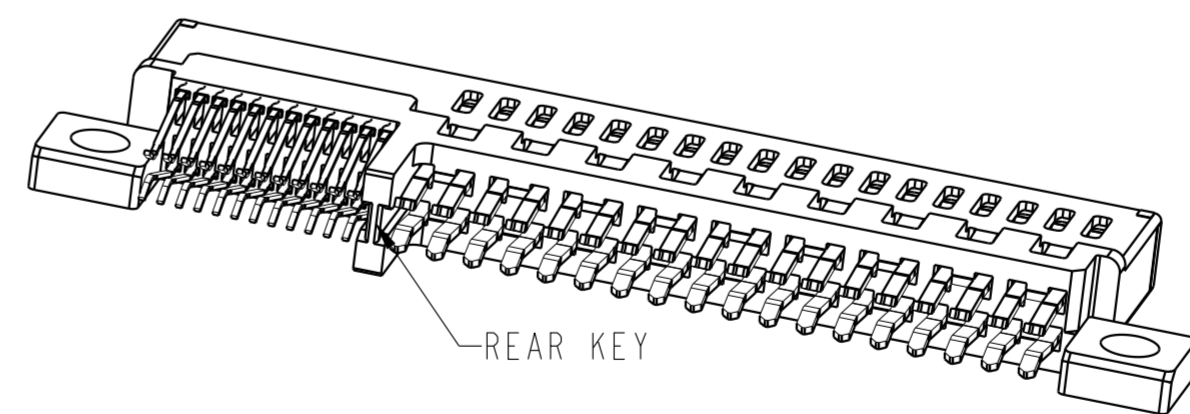
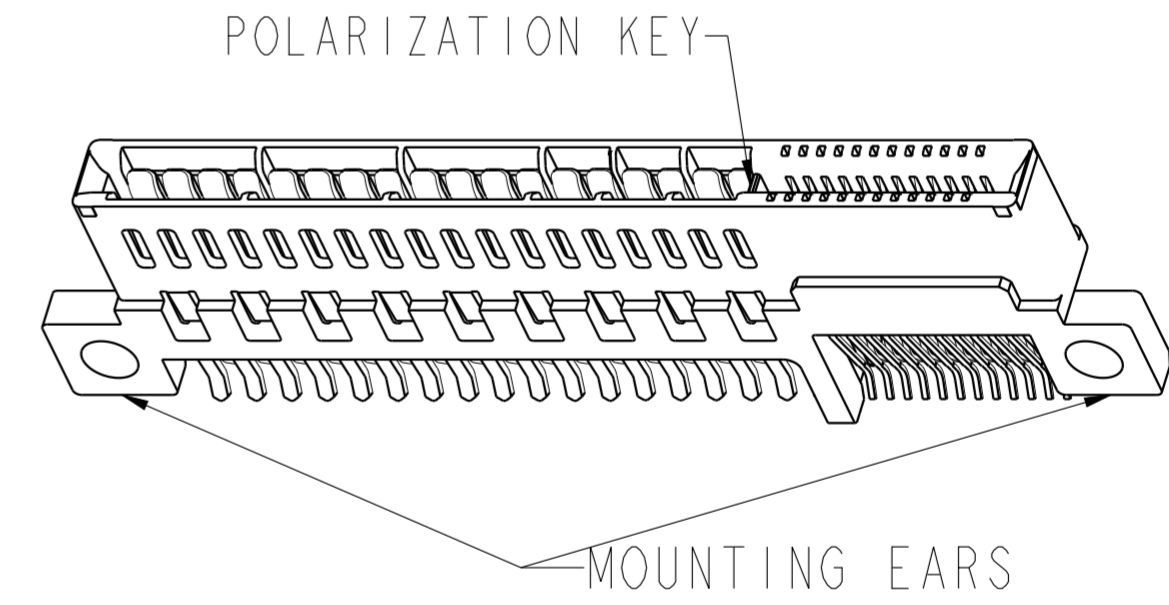


Example: The configuration above is 10122237-241224LF
 STD STRADDLE MT 36P24S with MOUNTING EARS, POLARIZATION KEY and REAR KEY.
 24P is 4 beam contacts, 12P is 2 beam contacts.

TABLE 1: PART NUMBER CODE FOR STD HPCE MT 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.
- MAXIMUM OVERALL LENGTH IS 100mm.
- DIM IS NOT APPLICABLE IF NO 4 BEAM CONTACT OR 2 BEAM CONTACT.



DIM	TABLE 2. LENGTH FORMULAS
DIM A ⑧	$(MM + NN) / 2 \times 2.54 + (PP / 2) \times 1.27 + 17.2$
DIM B	DIM A - 13.08
DIM C	DIM A - 7.5
DIM D	DIM A - 10.42
DIM E ⑨	$(MM / 8 - 1) \times 10.16 + (NN / 4 - 1) \times 5.08 + 16.84$ (WITH 4 BEAM CONTACT) 6.68 (WITHOUT 4 BEAM CONTACT)
DIM F	DIM A - 13.38
DIM G ⑨	$(MM / 8 - 1) \times 10.16 + (NN / 4 - 1) \times 5.08 + 13.34$ (WITH 4 BEAM CONTACT) 3.18 (WITHOUT 4 BEAM CONTACT)

spec ref	-	dr	Wei-Long Zhang	2012/08/09	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	size
tolerance std	ISO 406 ISO 1101	eng	Ada Ye	2021/08/30		4:1	A2	
surface	ISO 1302	fwvr	-	-		ec n no	ELX-DG-42143-1	
	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Zheng-Pei-Min	2021/08/30	rel level	Released		
linear	0.X ±0.3 0.XX ±0.1 0.XXX ±0.05	projection	STD STRADDLE MT HIGH POWER CARD EDGE - UNIVERSAL		dig no	10122237	rev	C
angular	0° ±°	product family	CARD EDGE		cat. no.	-	Product - Customer Drw	sheet 4 of 4

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