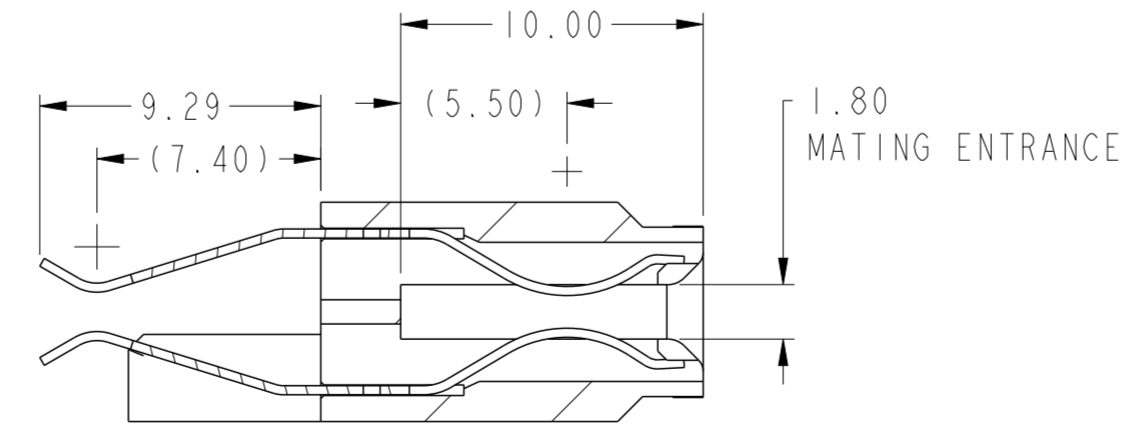


SECTION C-C



SECTION D-D

spec ref	-	dr	Wei-Long Zhang	2012/08/02	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	4:1	size	A2
tolerance std	ASME Y14.5	eng	Laven Wang	2025/05/13		ec n no	ELX-DG-54933-1	rel level	Released	
surface	linear	projection	Zheng, Pei-Min	2025/05/15		title	SMT WITH ENHANCED WALLS	cat. no.	10122238	rev
	angular				product family	CARD EDGE	Product - Customer Drw	sheet	1 of 4	

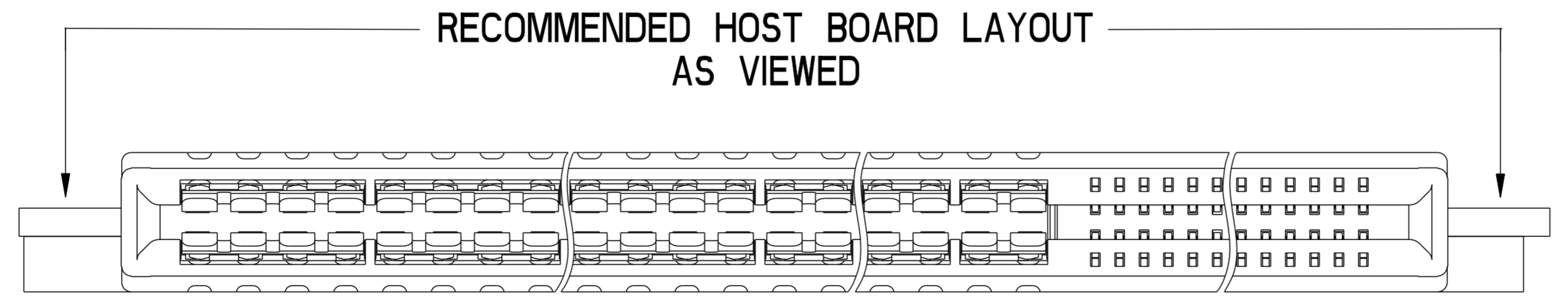
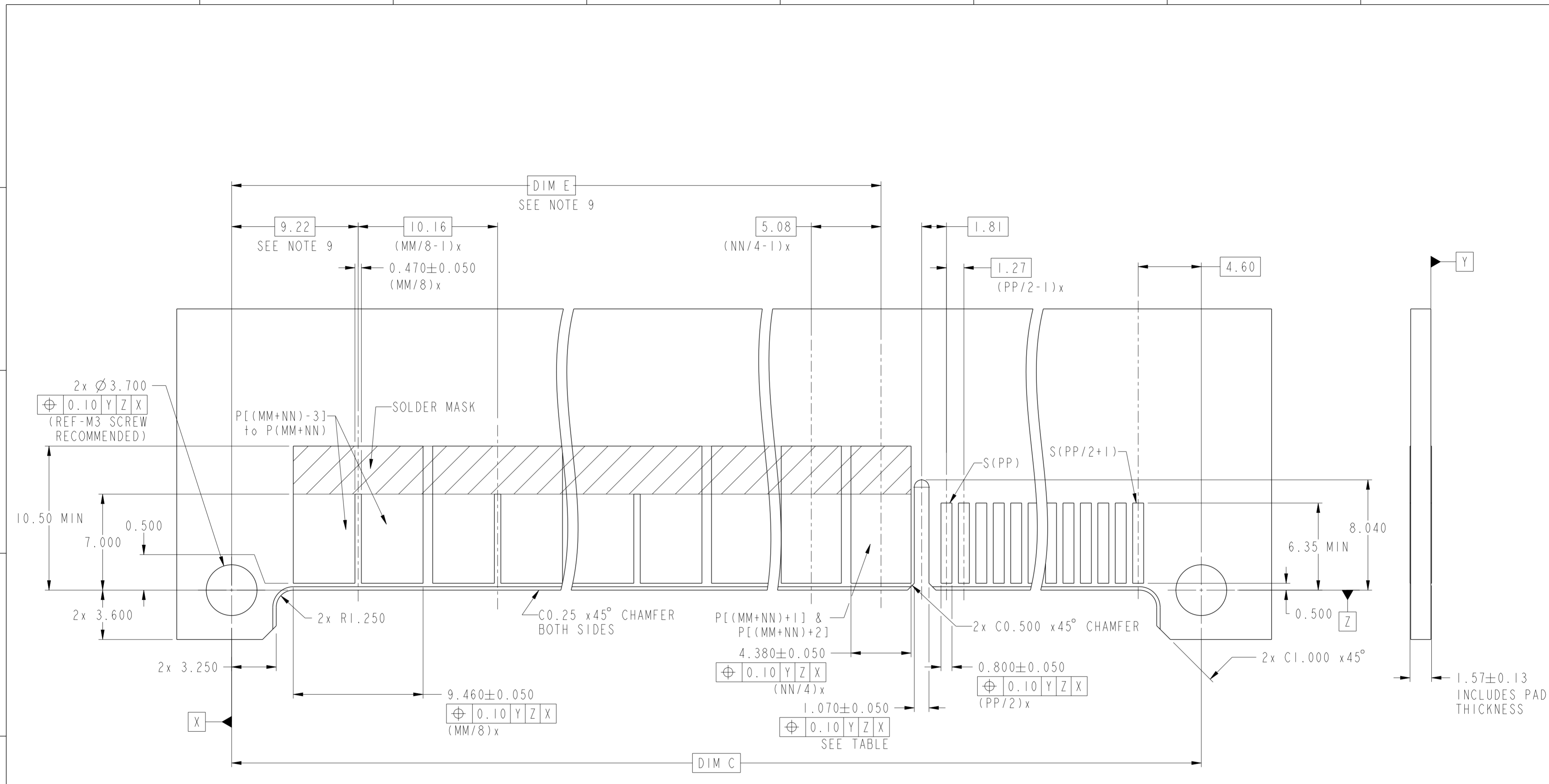
PDS: Rev :C

STATUS:Released

Printed: May 15, 2025

Amphenol Power Solutions

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spec ref	-	dr	Wei-Long Zhang	2012/08/02	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	size				
tolerance std	ASME Y14.5	eng	Laven Wang	2025/05/13		4:1	A2					
TOLERANCES UNLESS OTHERWISE SPECIFIED		r w r	-	-		ec n no	ELX-DG-54933-1					
surface	linear	angular	0.X	±0.5	0.XX	±0.25	0.XXX	±0.10	projection	10122238	rel level	Released
ASME Y14.5	angular	0°	±2°		product family	-	Product - Customer Drw	sheet 2 of 4	cat. no.	-	rev	C

10122238 - MM NN PP LF

LEAD FREE

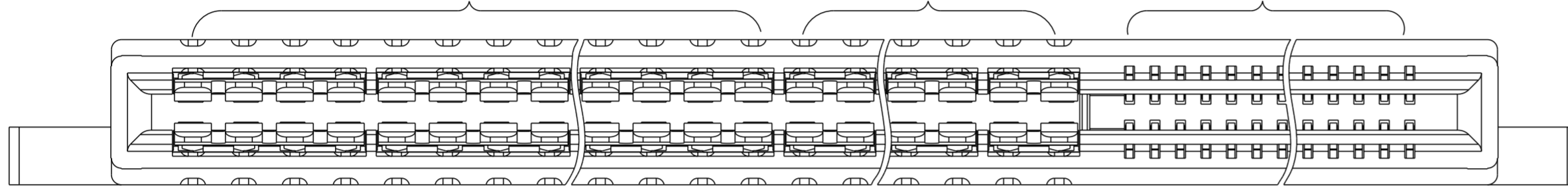


	NON-HALOGEN FREE								HALOGEN FREE							
	A	B	C	D	E	F	G	H	I	2	3	4	5	6	7	8
MOUNTING EARS	Y	Y	Y	N	N	Y	N	Y	Y	Y	N	N	Y	N	Y	N
POLARIZATION KEY	Y	N	N	Y	N	N	Y	Y	Y	N	N	Y	N	N	Y	Y
REAR GUIDE	Y	Y	N	Y	Y	N	N	Y	Y	N	Y	Y	N	N	N	N

QUAD PWR BEAM QTY
(NEXT TO LEFT END)

DUAL PWR BEAM QTY
(NEXT TO SIGNAL)

SIGNAL CONTACT QTY



Example: The configuration above is 10122238-241224ALF
STRADDLE MT WITH ENHANCED WALLS 36P24S with MOUNTING EARS,
POLARIZATION KEY and ALIGNMENT KEY.
24P is 4 beam contacts, 12P is 2 beam contacts.

TABLE: PART NUMBER CODE FOR HPCE MT WITH ENHANCED WALLS P+S 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 ON HOUSING IN AREA SHOWN MEETS APCI SPECIFICATION: GS-24-007.

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

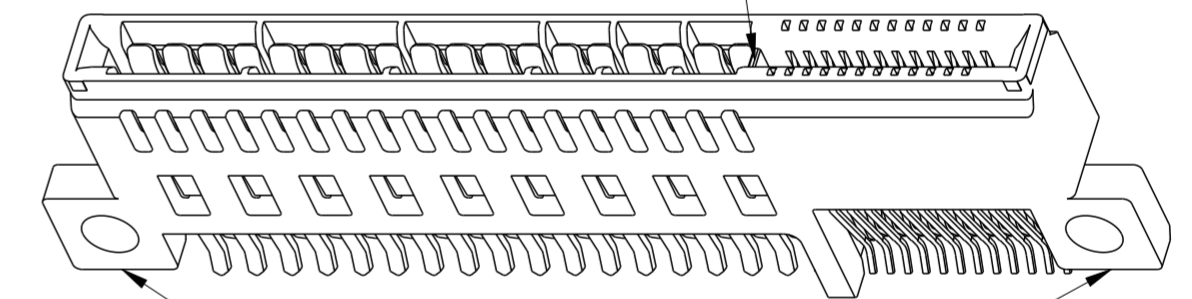
7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.

8. MAXIMUM OVERALL LENGTH IS 100mm.

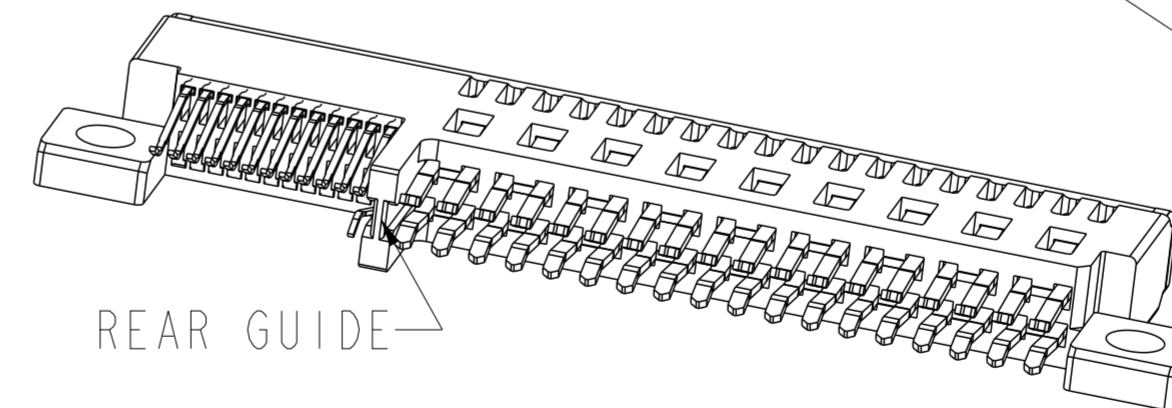
9. DIM IS NOT APPLICABLE IF NO 4 BEAM CONTACT OR 2 BEAM CONTACT.

10. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

POLARIZATION KEY



MOUNTING EARS



REAR GUIDE

DIM	TABLE 2. LENGTH FORMULAS
DIM A	$(MM + NN) / 2 \times 2.54 + (PP / 2) \times 1.27 + 17.2$
DIM B	DIM A - 13.08
DIM C	DIM A - 7.5
DIM D	DIM A - 9.02
DIM E	$(MM / 8 - 1) \times 10.16 + (NN / 4 - 1) \times 5.08 + 16.84$ (WITH 4 BEAM CONTACT)
	$(NN / 4 - 1) \times 5.08 + 6.68$ (WITHOUT 4 BEAM CONTACT)
DIM F	DIM A - 13.38
DIM G	$(MM / 8 - 1) \times 10.16 + (NN/4 - 1) \times 5.08 + 13.34$ (WITH 4 BEAM CONTACT)
	$(NN / 4 - 1) \times 5.08 + 3.18$ (WITHOUT 4 BEAM CONTACT)

spec ref	-	dr	Wei-Long Zhang	2012/08/02		MM	scale	4:1	size	A2	
tolerance std	ASME Y14.5	eng	Laven Wang	2025/05/13		ec n no	ELX-DG-54933-1	rel level	Released		
surface	linear	appr	Zheng, Pei-Min	2025/05/15		product family	CARD EDGE	Product - Customer Drw	sheet 4 of 4		
	angular				title	SMT WITH ENHANCED WALLS		dig no	10122238	rev	C
						HIGH POWER CARD EDGE - UNIVERSAL DRW		cat. no.	-		