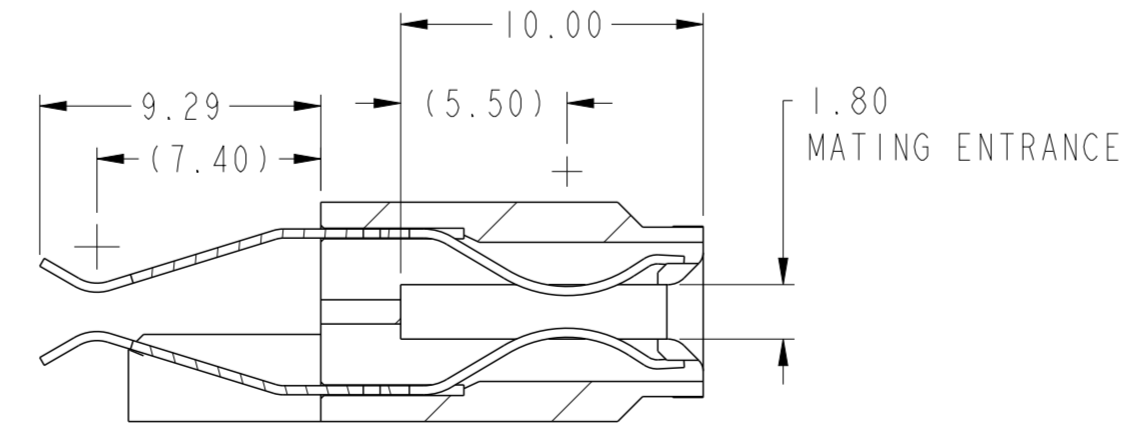


SECTION C-C



SECTION D-D

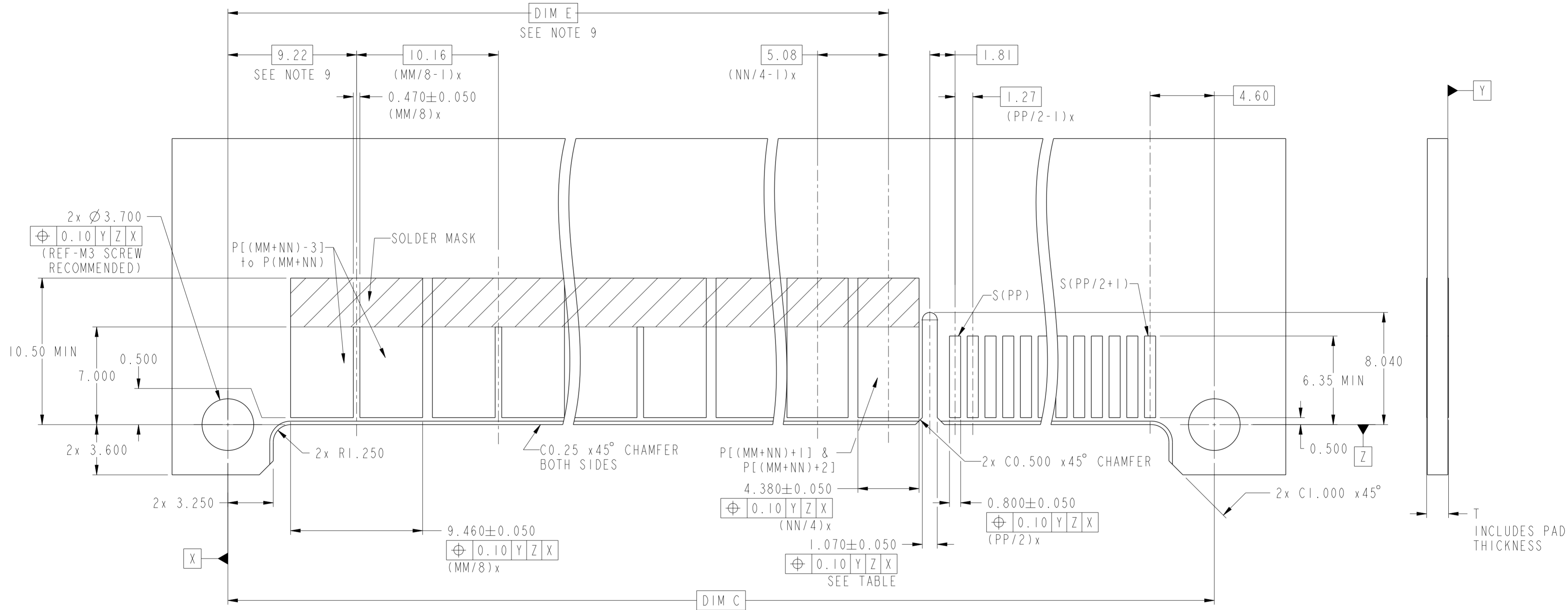
REV	ECN NO.	DR	DATE
A	---	Peter	

spec ref	-	dr	Liu Jenson	2013/08/19	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	Zhao Peter	2013/10/31		CARD EDGE	ecn no	ELX-DG-16175-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	apppr			Collins Lu	2013/11/07	product family	CARD EDGE
surface	✓	ASME Y14.5	linear	0.X	±0.5		STRADDLE MOUNT ASSEMBLY HIGH POWER CARD EDGE - UNIVERSAL DRAWING	divg no 10126933	sheet 1 of 4	rev B
				0.XX	±0.25					
				0.XXX	±0.10					
		angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw			

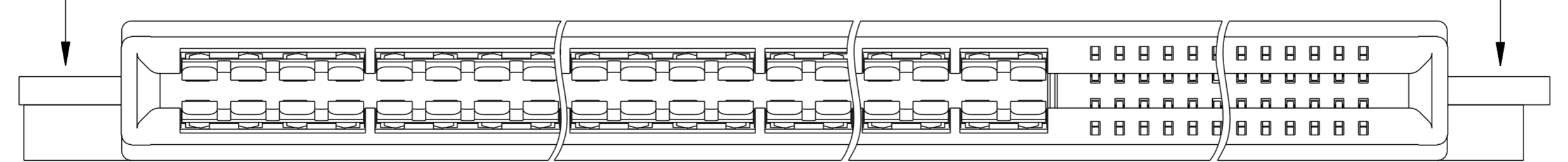
1 2 3 4 5 6 7 8

A
B
C
D
E
F

A
B
C
D
E
F

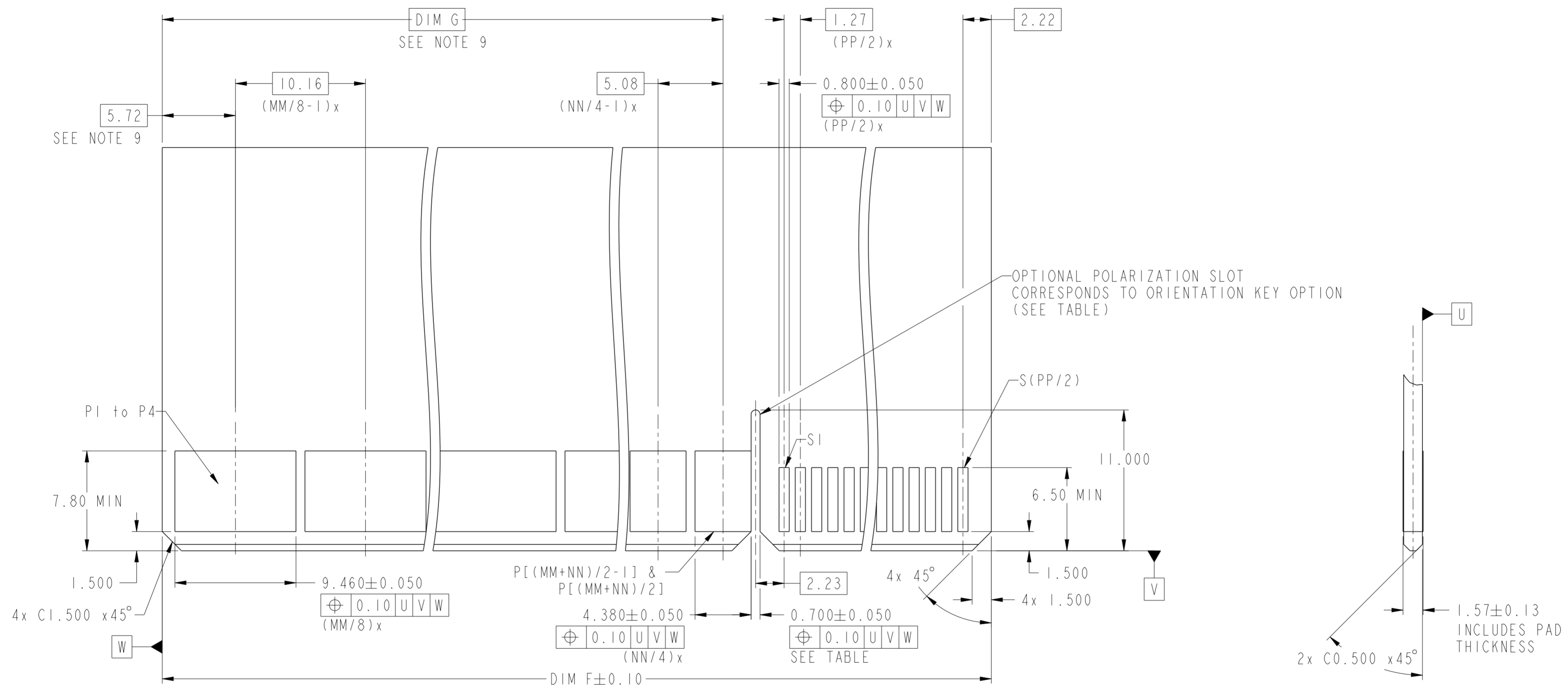


RECOMMENDED HOST BOARD LAYOUT AS VIEWED



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dr	Liu Jensen	2013/08/19	projection	MM	size	A2	scale	4:1
eng	Zhao Peter	2013/10/31		CARD EDGE	ecn no	ELX-DG-16175-1		
chr	-	-			rel level	Released		
appr	Collins Lu	2013/11/07	product family		Product - Customer Drw			
		STRADDLE MOUNT ASSEMBLY HIGH POWER CARD EDGE - UNIVERSAL DRAWING			dwg no 10126933	rev B		
www.fci.com		cat. no.	-		Product - Customer Drw		sheet 2 of 4	



RECOMMENDED MATING BOARD FOOTPRINT

dr	Liu Jenson	2013/08/19	projection	MM	size	A2	scale	4:1
eng	Zhao Peter	2013/10/31			ecn no	ELX-DG-16175-1		
chr	-	-			rel level	Released		
appr	Collins Lu	2013/11/07	product family	CARD EDGE				
		STRADDLE MOUNT ASSEMBLY HIGH POWER CARD EDGE - UNIVERSAL DRAWING		dwg no 10126933	rev B			
www.fci.com		cat. no.	Product - Customer Drw		sheet 3 of 4			

A

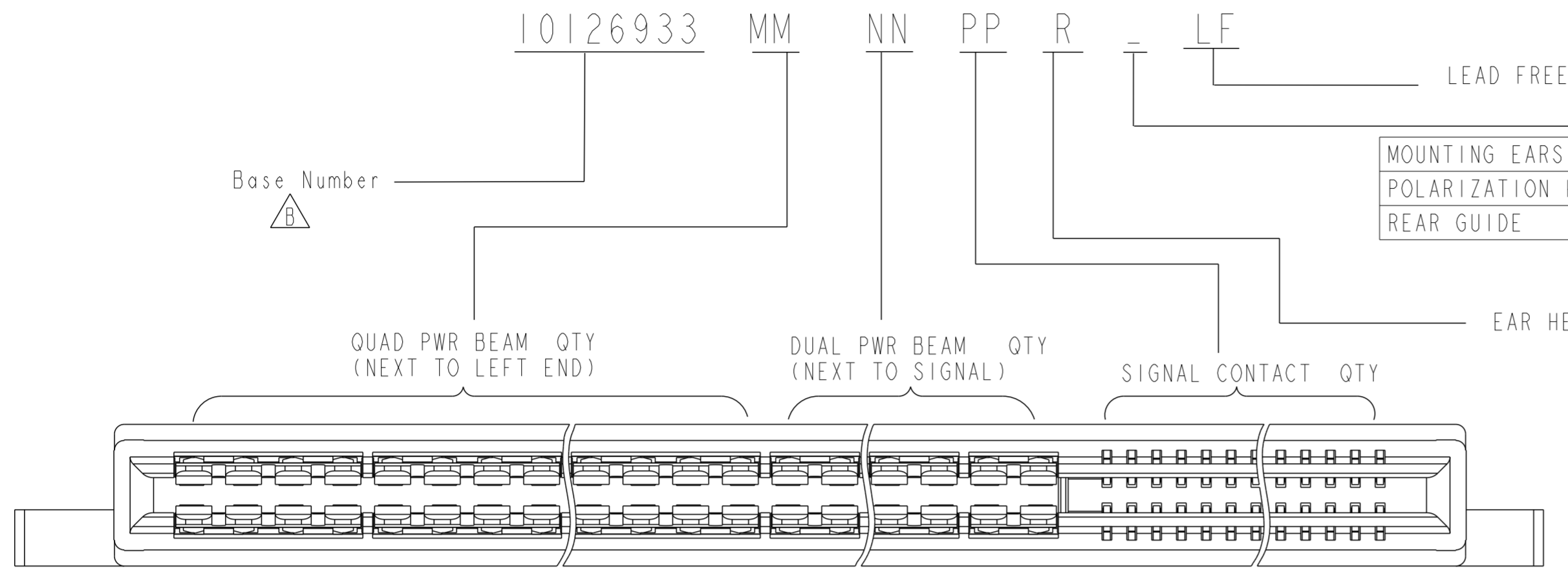
B

C

A

B

C



	A	B	C	D	E	F	G	H
MOUNTING EARS	Y	Y	Y	N	N	N	Y	N
POLARIZATION KEY	Y	N	N	Y	N	N	Y	Y
REAR GUIDE	Y	Y	N	Y	Y	N	N	N

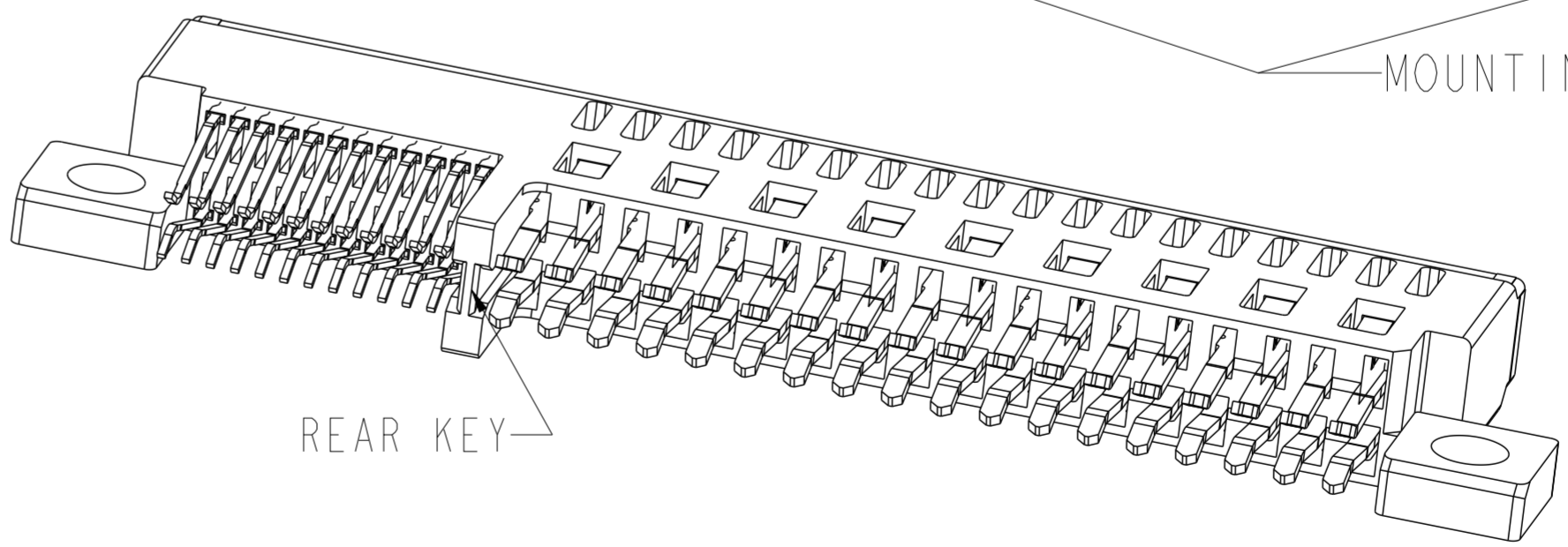
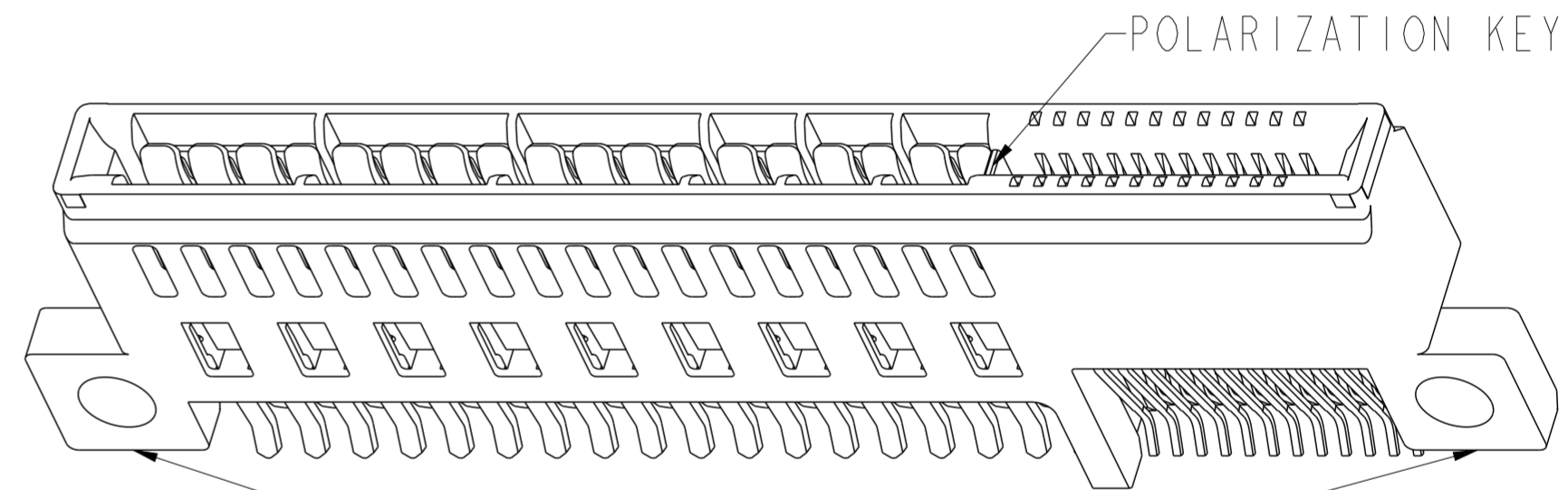
- EAR HEIGHT AND HOST BOARD THICKNESS
1. WITH GAP HEIGHT H=2.160mm , HOST BOARD THICKNESS T=1.83±0.13mm;
IF WITH EARS , EAR HEIGHT J= 2.700mm
 2. WITH GAP HEIGHT H=2.410mm , HOST BOARD THICKNESS T=2.08±0.13mm;
IF WITH EARS , EAR HEIGHT J= 2.575mm
 3. WITH GAP HEIGHT H=2.770mm , HOST BOARD THICKNESS T=2.44±0.13mm;
IF WITH EARS , EAR HEIGHT J= 2.395mm
 4. WITH GAP HEIGHT H=3.080mm , HOST BOARD THICKNESS T=2.75±0.18mm;
IF WITH EARS , EAR HEIGHT J= 2.240mm
 5. WITH GAP HEIGHT H=3.340mm , HOST BOARD THICKNESS T=3.01±0.18mm;
IF WITH EARS , EAR HEIGHT J= 2.110mm

Example: THE CONFIGURATION ABOVE IS 10126933-2412241ALF
STRADDLE MT WITH ENHANCED WALLS 36P24S WITH MOUNTING EARS,
POLARIZATION KEY AND REAR 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 (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. MAXIMUM OVERALL LENGTH IS 100mm.
9. 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 - 9.02
DIM E ⑨	$(MM / 8 - 1) \times 10.16 + (NN / 4 - 1) \times 5.08 + 16.84$ (WITH 4 BEAM CONTACT) $(NN / 4 - 1) \times 5.08 + 6.68$ (WITHOUT 4 BEAM CONTACT)
DIM F	DIM A - 13.38
DIM G ⑨	$(MM / 8 - 1) \times 10.16 + (NN/4 - 1) \times 5.08 + 13.34$ (WITH 4 BEAM CONTACT) $(NN / 4 - 1) \times 5.08 + 3.18$ (WITHOUT 4 BEAM CONTACT)

dr	Liu Jensen	2013/08/19	projection	MM	size	A2	scale	4:1
eng	Zhao Peter	2013/10/31		CARD EDGE	ecn no	ELX-DG-16175-1		
chr	-	-			rel level	Released		
appr	Collins Lu	2013/11/07	product family		Product - Customer Drw			
		title STRADDLE MOUNT ASSEMBLY HIGH POWER CARD EDGE - UNIVERSAL DRAWING		dwg no 10126933	rev B		sheet 4 of 4	
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