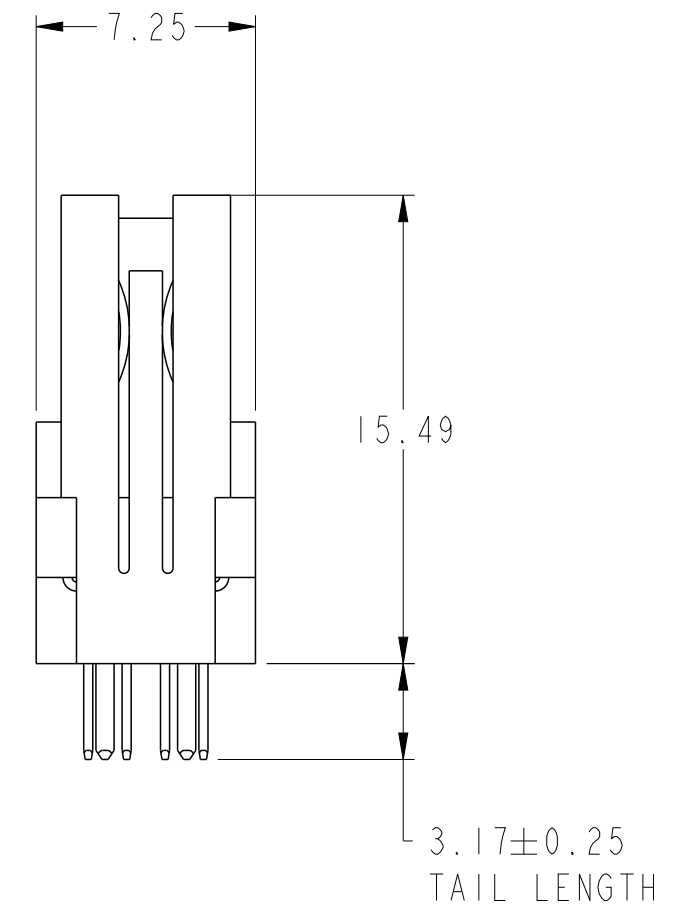
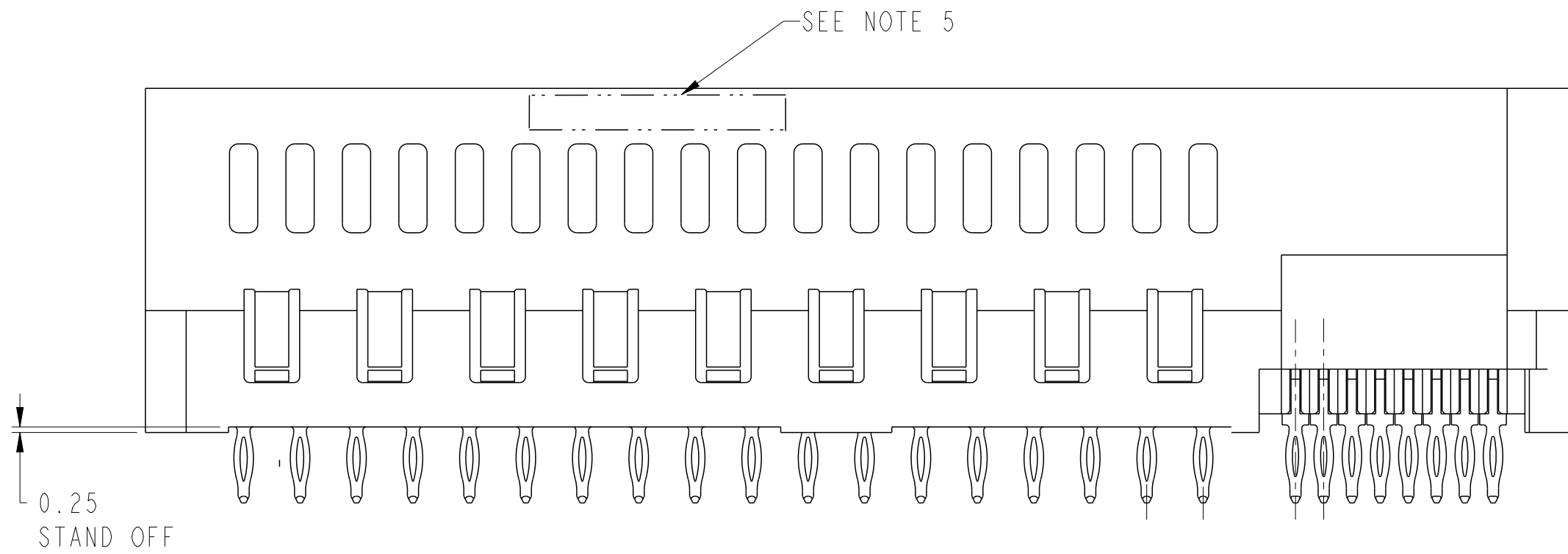
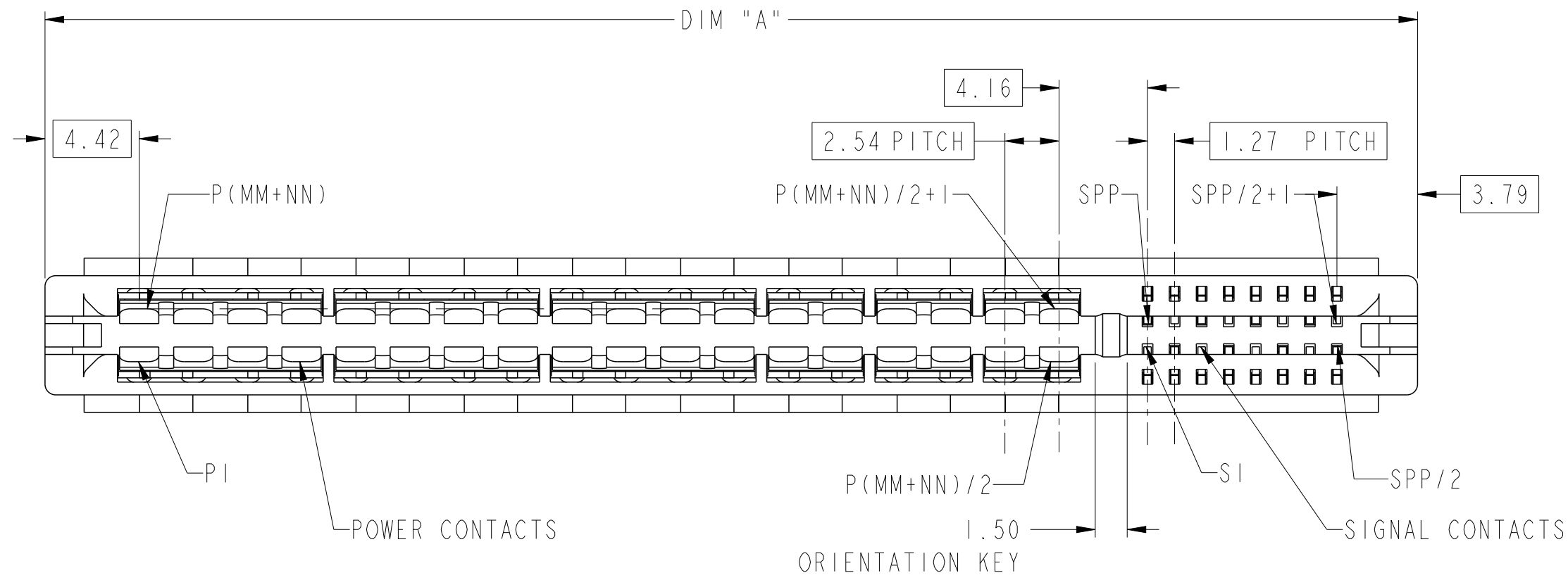
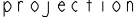
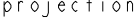
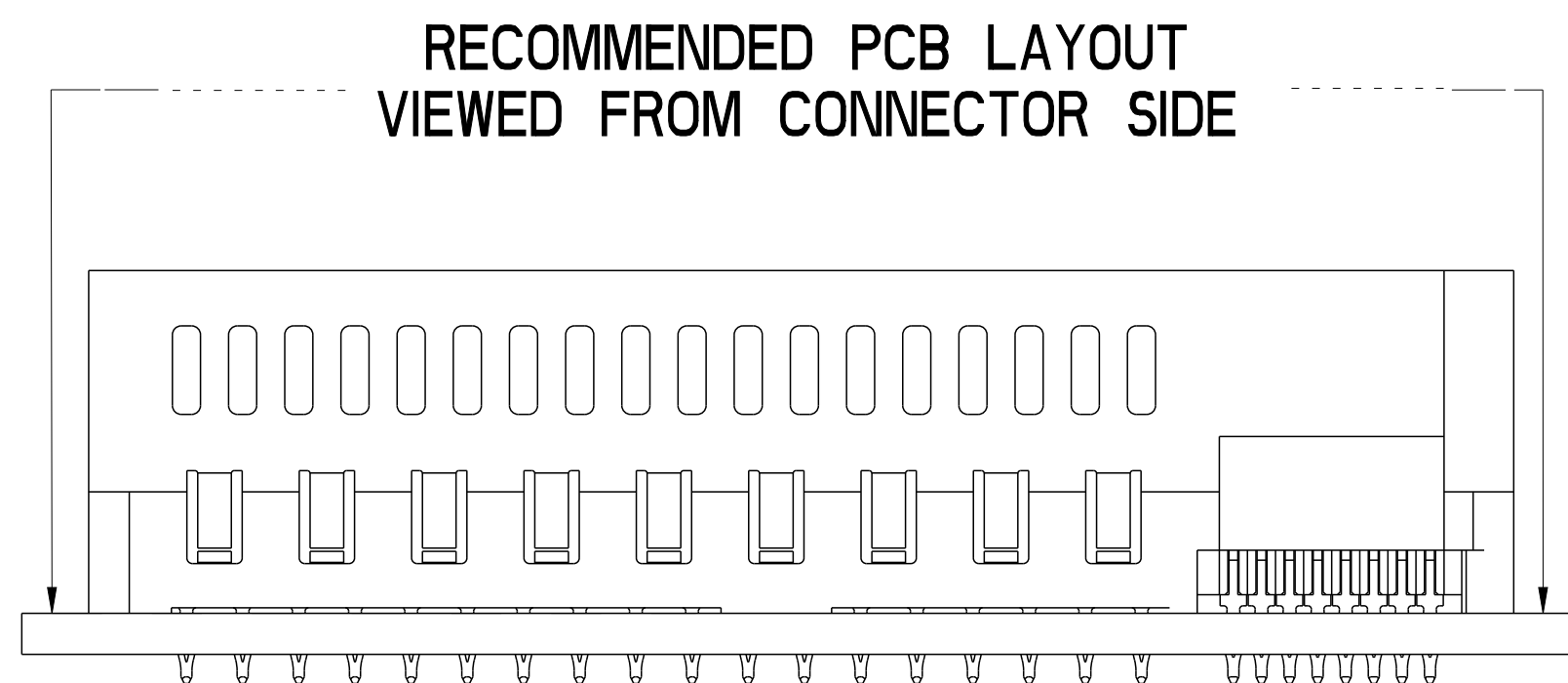
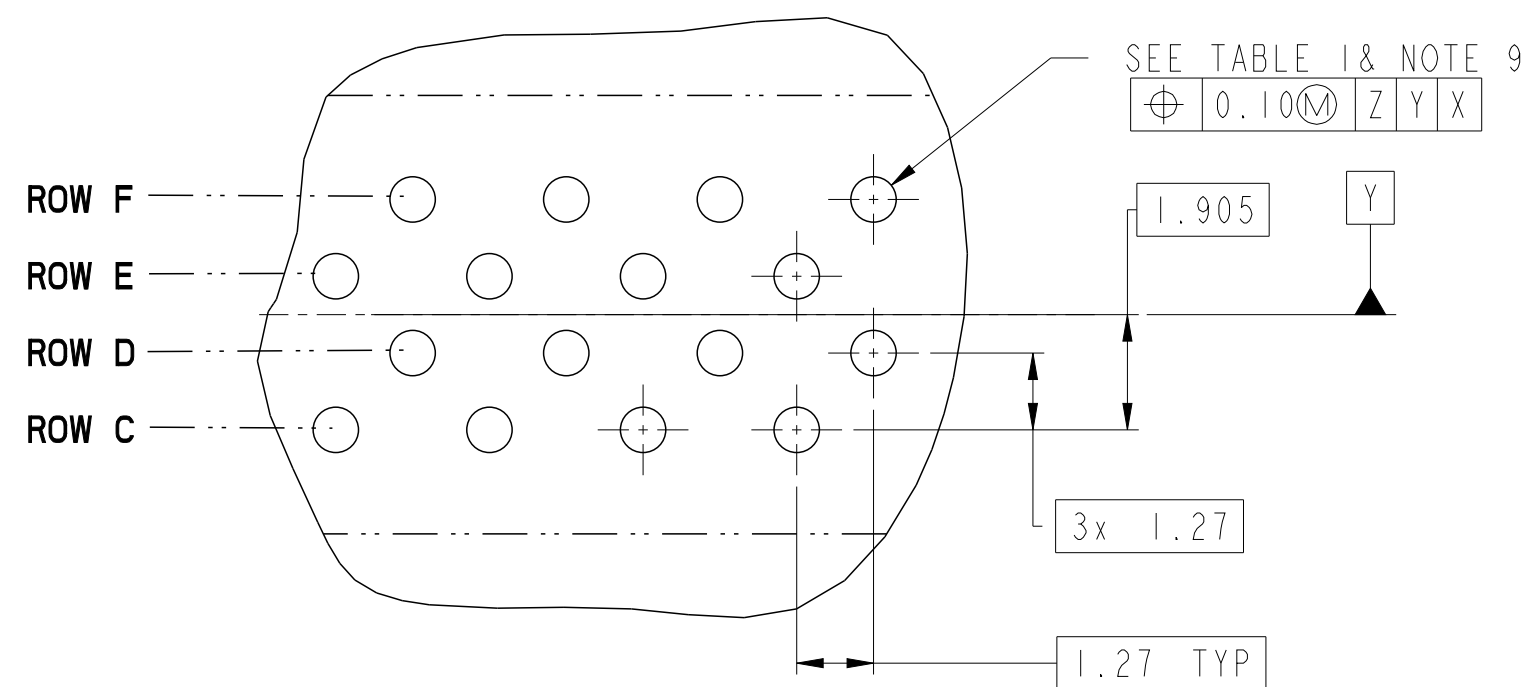
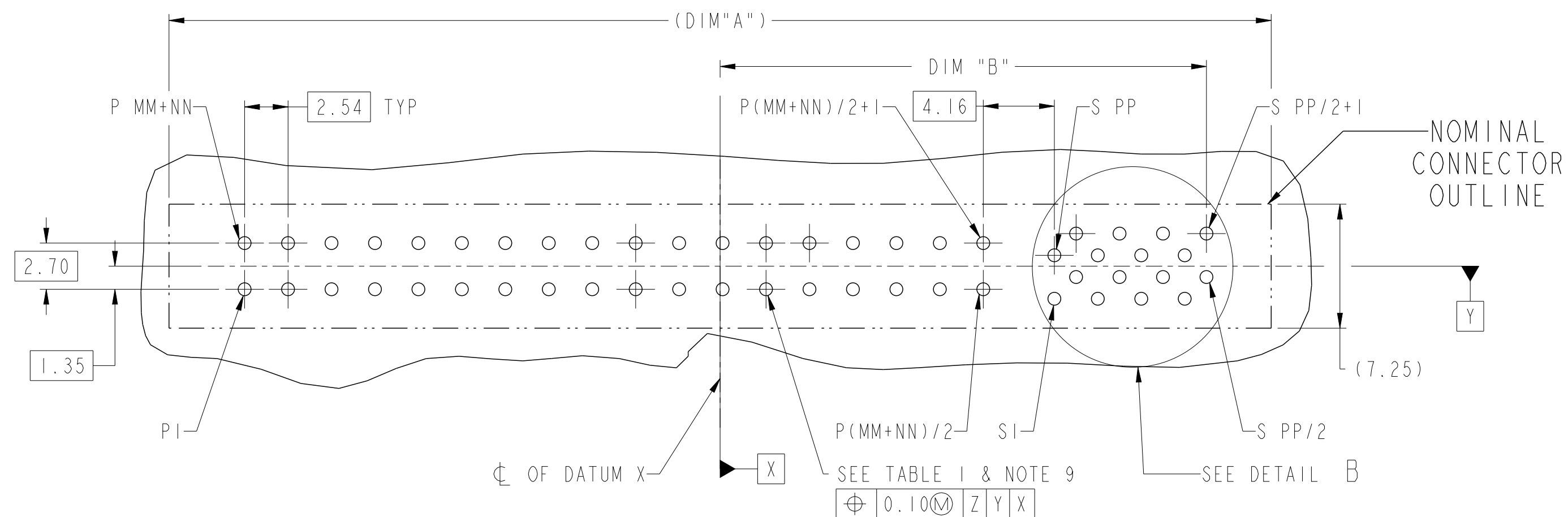


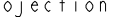


spec ref		-		dr		Jackie Huang		2014/10/31		projection				MM		size		A2		scale		5:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Sunny2 Liu		2019/03/04				MM		ecn no		ELX-DG-28377-1		Released					
ISO 406																							
ISO 1101																							
				chr		Feng Zheng		2019/03/05						product family		CARD EDGE							
				appr		Zheng, Pei-Min		2019/03/05															
surface		linear		0.X		±0.5				title		HPCE MEZZANINE		dwg no		10132153		rev		C			
				0.XX		±0.25																	
				0.XXX		±0.10																	
ISO 1302		angular		0°		±2°																	

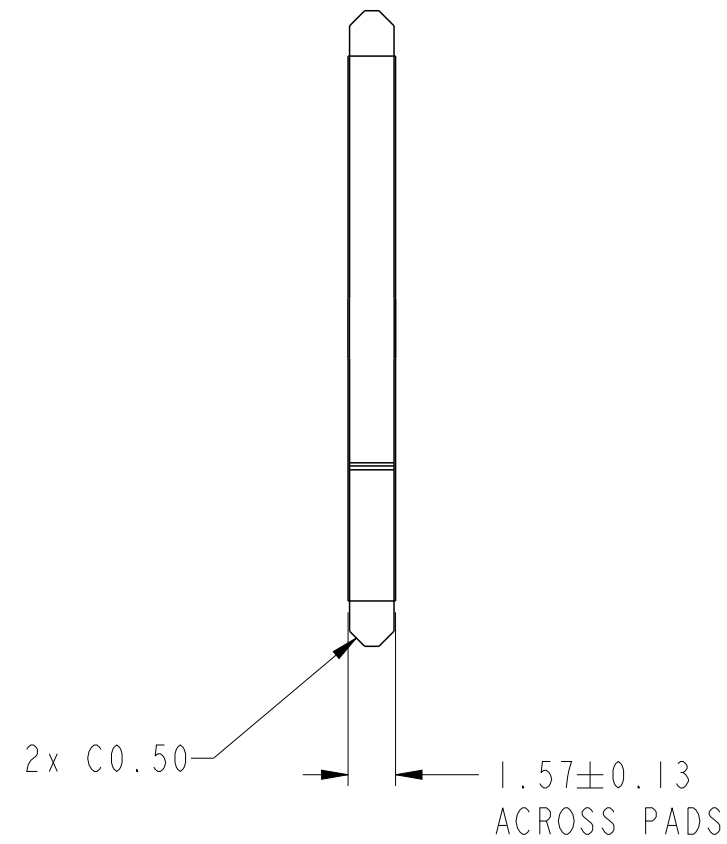
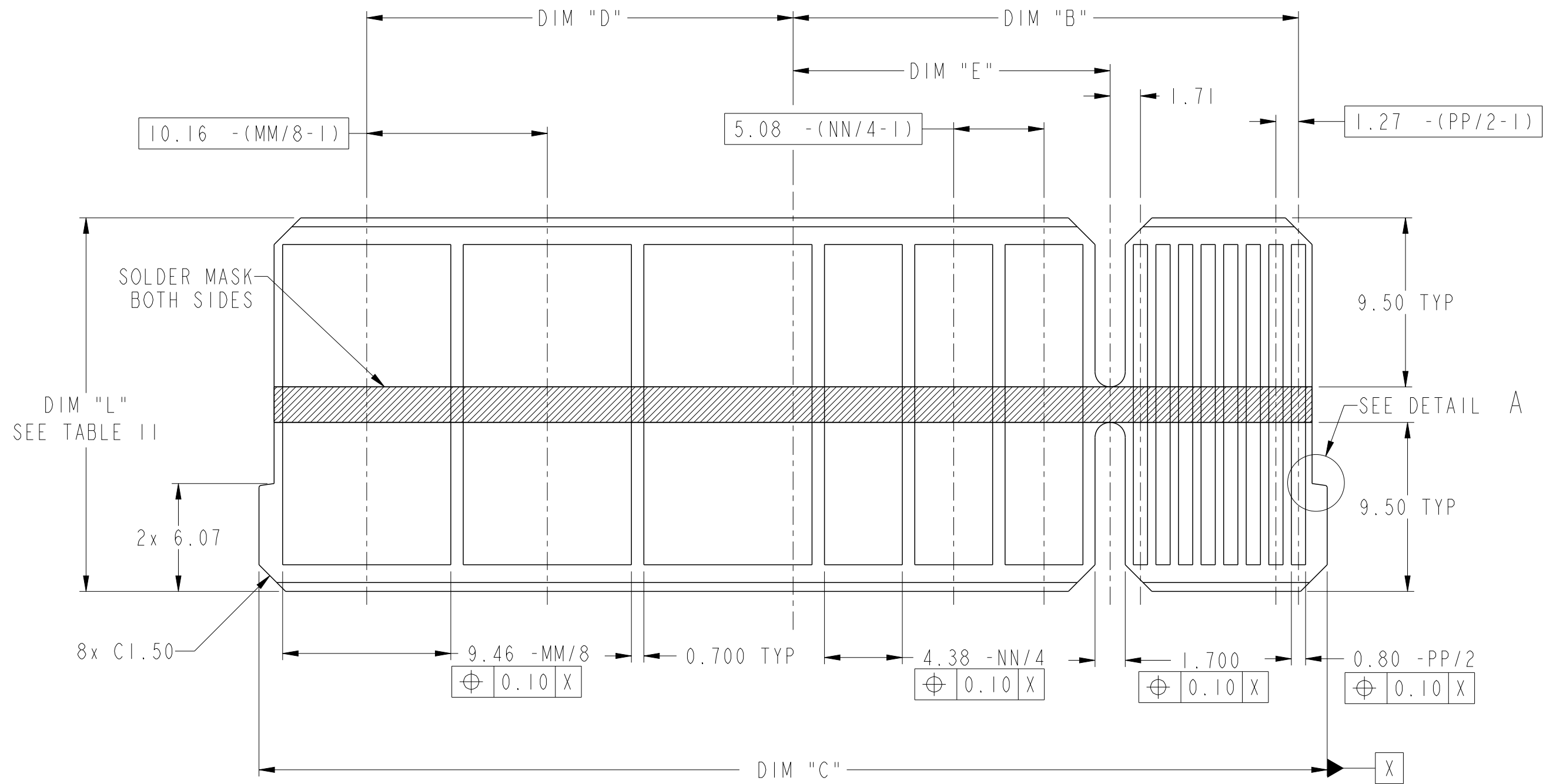
1	2	3	4	5		
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10

CONTACT TYPE		TABLE 1 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80
	COPPER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80

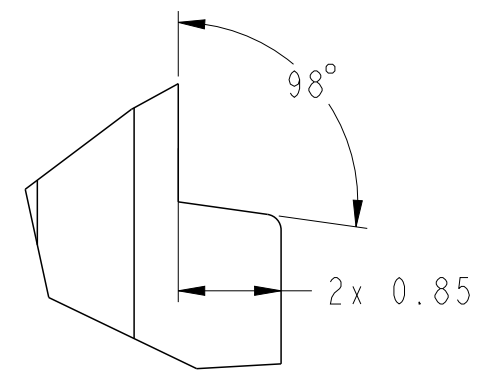


spec ref		-		dr Jackie Huang		2014/10/31		projection		MM		size A2		scale 2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Sunny2 Liu		2019/03/04						ecn no		ELX-DG-28377-1	
ISO 406				chr Feng Zheng		2019/03/05						rel level		Released	
ISO 1101				appr Zheng, Pei-Min		2019/03/05						product family		-	
surface		linear				title HPCE MEZZANINE UNIVERSAL P+S		dwg no 10132153		rev C					
		0.X ±0.5													
		0.XX ±0.25													
		0.XXX ±0.10													
ISO 1302		angular 0° ±2°													

DIM"L" (±0.25)	MEZZANINE STACK HEIGHT (±0.50)
21.02	32
22.02	33
23.02	34
24.02	35
25.02	36
26.02	37
27.02	38
28.02	39
29.02	40
30.02	41
31.02	42
TABLE 2	



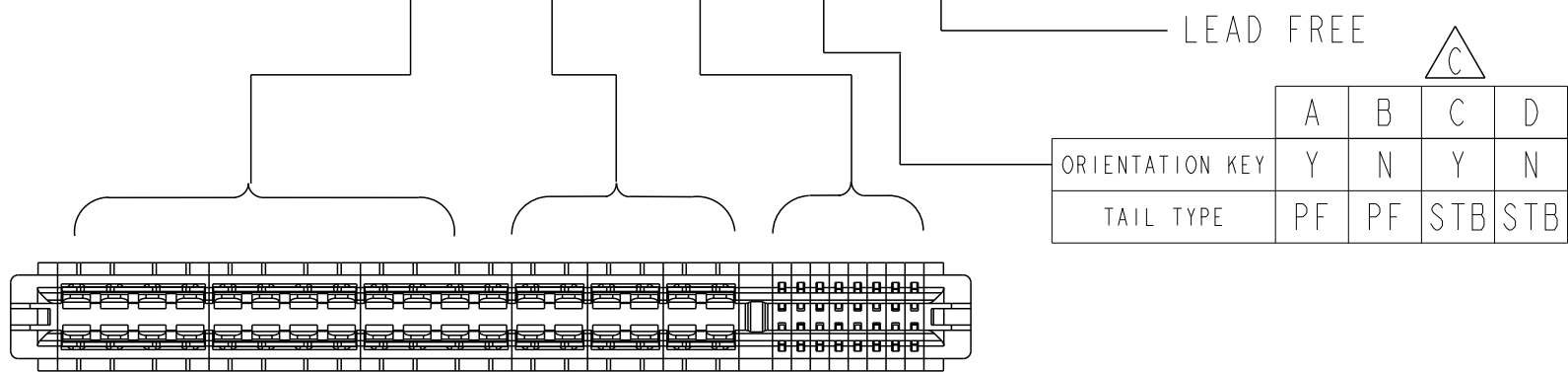
RECOMMENDED BRIDGE PCB



DETAIL A
SCALE 16:1

spec ref	-	dr	Jackie Huang	2014/10/31	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2019/03/04	chr	Feng Zheng	2019/03/05	ecn no	ELX-DG-28377-1	
		appr	Zheng, Pei-Min	2019/03/05	product family	-	rel level	Released		
surface	ISO 1302	linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.10	angular	0° ±2°	Amphenol FCi	HPCE MEZZANINE UNIVERSAL P+S	cat. no.	-	Product - Customer Drw
										sheet 3 of 4

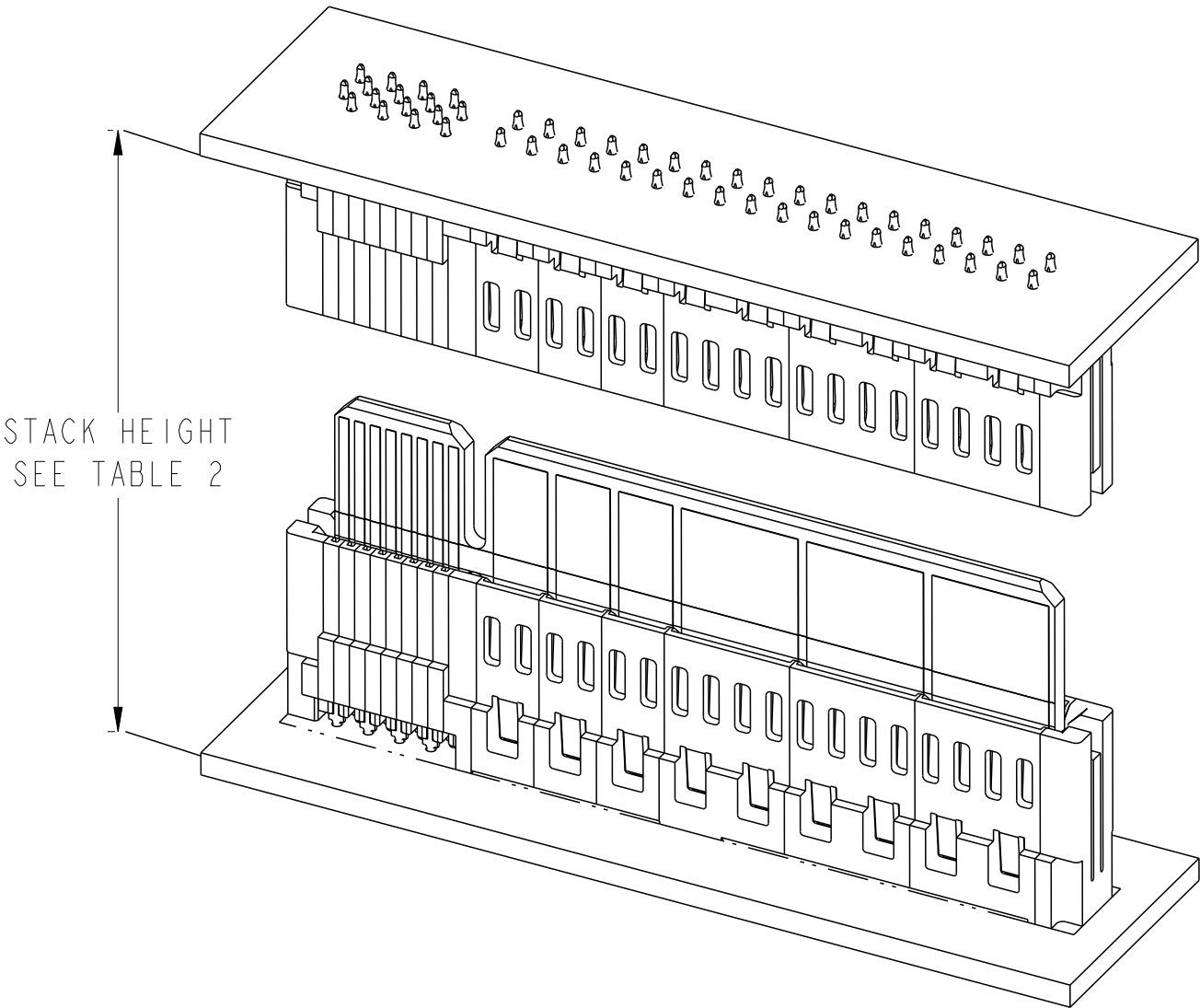
10132153 - MM NN PP * LF



Example : The part number above is 10132153-320424ALF
that's 36P24S with orientation key configuration
32 is 4beam contact ; 04 is 2beam contact

Table 3 : PART NUMBER CODE

DIM	LENGTH FORMULAS
A	=[(MM+NN)/2] x 2.54 + (PP/2) x 1.27 + 8.55
B	= DIM "A"/2 - 3.79
C	= DIM "A" - 4.34
D	= DIM "A"/2 - 8.23
E	= DIM "A" /2 - (PP/2-1)X1.27 - 5.5
Table 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-12-1261 SECTION 5.2.
3. PRODUCT SPECIFICATION: GS-12-1261.
4. APPLICATION SPECIFICATION: GS-20-128.
5. PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI 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. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
10. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref -				dr Jackie Huang	2014/10/31			size A2	scale 1:1
tolerance std ISO 406 ISO 1101				eng Sunny2 Liu	2019/03/04			ecn no ELX-DG-28377-1	rel level Released
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr Feng Zheng	2019/03/05				
				appr Zheng, Pei-Min	2019/03/05	product family -			
surface ISO 1302	linear	0.X	±0.5	Amphenol FCI	title HPCE MEZZANINE UNIVERSAL P+S	dwg no 10132153	rev C		
		0.XX	±0.25						
		0.XXX	±0.10						
	angular 0°	±2°							
				cat. no. -	Product - Customer Drw			sheet 4 of 4	