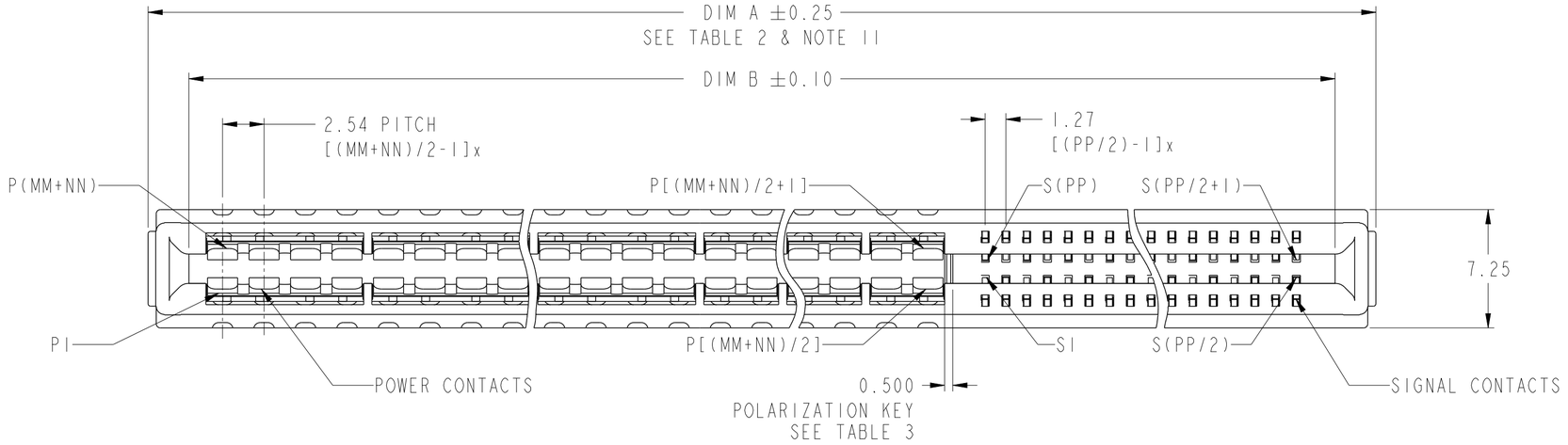
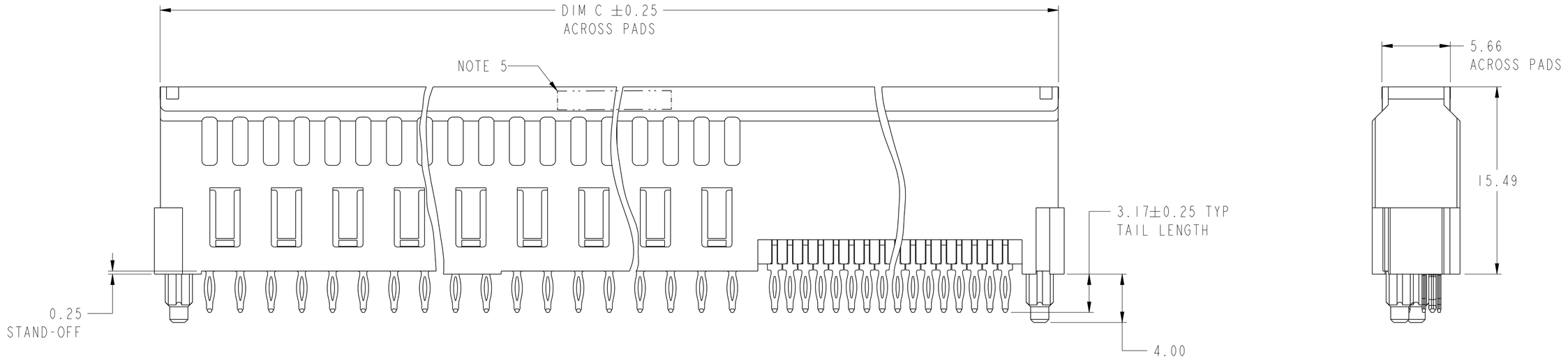




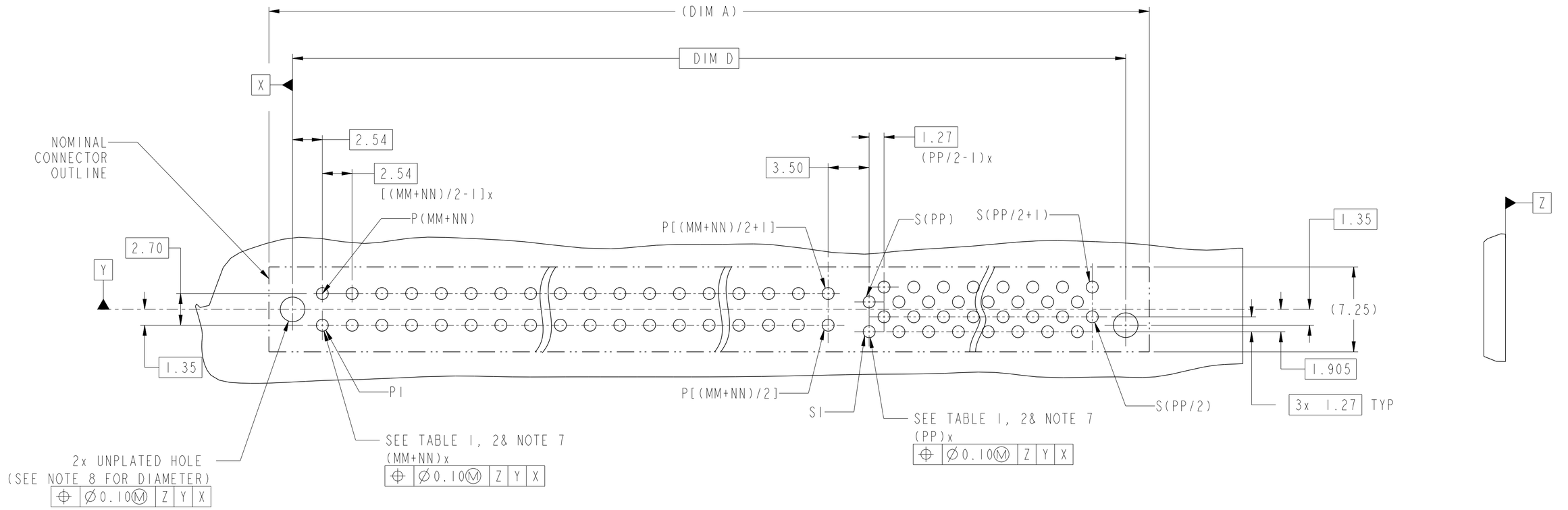
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spec ref	-			dr	Hai-Ling Liu	2016/03/09	projection	MM
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/06/16		
ISO 406 ISO 1101				chr	Terris Liu	2016/06/16		
				appr	Pei-Ming Zheng	2016/06/16	product family	

size	A2	scale	1:1				
ecn no	-						
rel level	Released						
surface	linear	0.X	±0.5	Amphenol FCi	title	HPCE VT-ENHANCED WALLS	dwg no 10139003 rev A
ASME Y14.5		0.XX	±0.25			P+S - UNIVERSAL DRAWING LOW HF	
		0.XXX	±0.10				
	angular	0°	±2°		cat. no.	Product - Customer Drw	sheet 1 of 4

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	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10

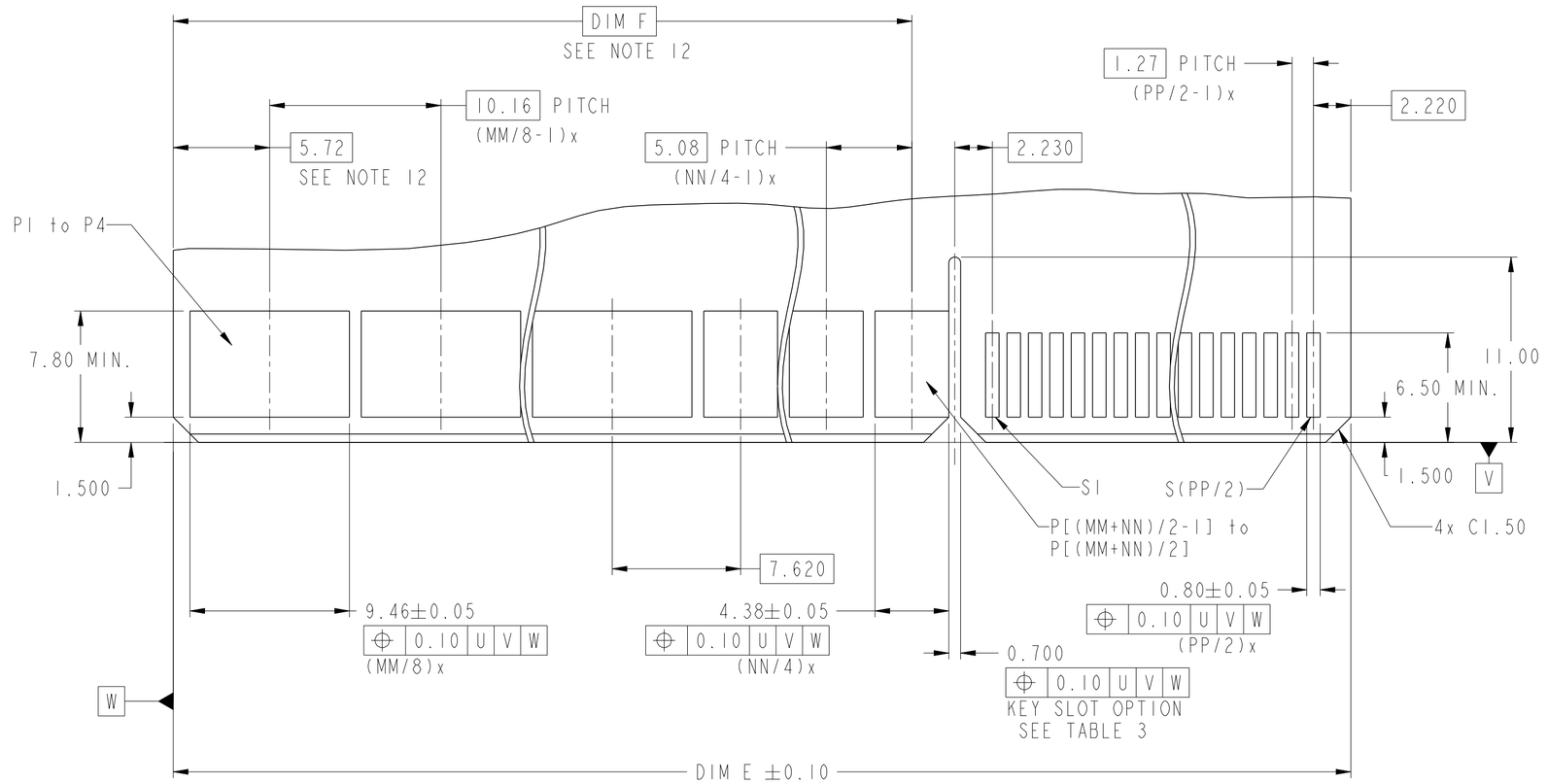
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION 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

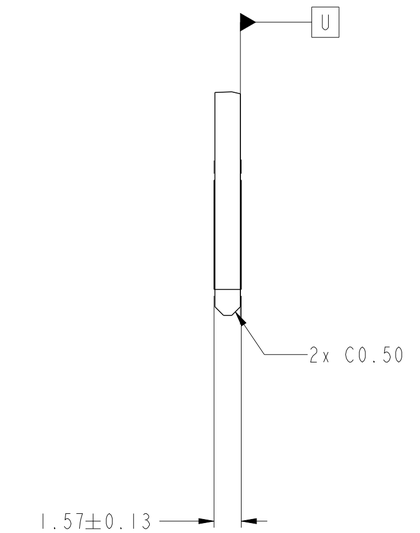


RECOMMENDED PCB LAYOUT
DIMENSION TOLERANCE IS ± 0.05 mm

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spec ref	-			dr	Hai-Ling Liu	2016/03/09	projection: MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/06/16	size A2 / scale 1:1
				chr	Terris Liu	2016/06/16	ecn no -
				appr	Pei-Ming Zheng	2016/06/16	product family / rel level Released
surface ASME Y14.5	linear	0.X	±0.5	Amphenol FCI	title: HPCE VT-ENHANCED WALLS P+S - UNIVERSAL DRAWING LOW HF		dwg no 10139003 / rev A
		0.XX	±0.25				
		0.XXX	±0.10				
	angular	0°	±2°		cat. no.	Product - Customer Drw	sheet 2 of 4





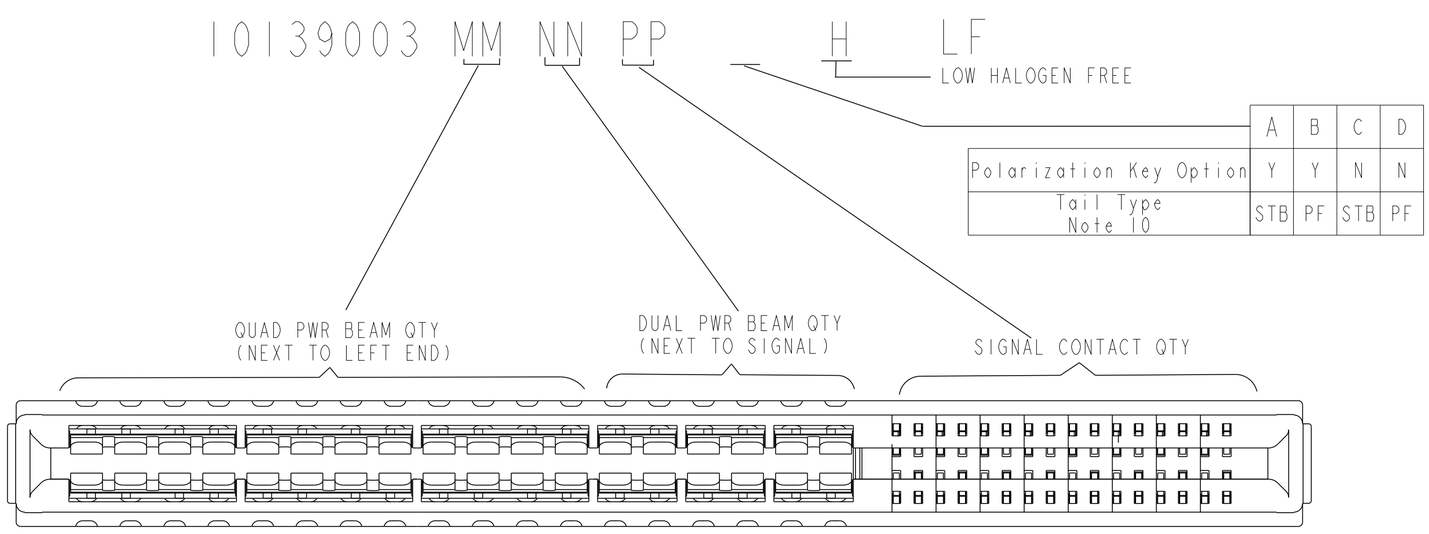
RECOMMENDED EDGE CARD LAYOUT
DIMENSION TOLERANCE IS ± 0.05 mm

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spec ref	-		dr	Hai-Ling Liu	2016/03/09	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sunny2 Liu	2016/06/16		
			chr	Terris Liu	2016/06/16		
			appr	Pei-Ming Zheng	2016/06/16	product family	
surface ASME Y14.5	linear	0.X ±0.5	Amphenol FCi	title	HPCE VT-ENHANCED WALLS	dwg no	10139003
		0.XX ±0.25			P+S - UNIVERSAL DRAWING LOW HF		
		0.XXX ±0.10					
	angular	0° ±2°		cat. no.	Product - Customer Drw		

size	scale	rev
A2	1:1	A

ecn no -
rel level **Released**
sheet 3 of 4



	A	B	C	D
Polarization Key Option	Y	Y	N	N
Tail Type Note 10	STB	PF	STB	PF

Example: The configuration above is 10139003241232BHLF
VERT Press fit 36P32S with polarization key. 24P is Quad beam contact, 12P is dual beam contact.

DIM	TABLE 2. LENGTH FORMULAS.
DIM A	(MM/8)X10.16+ (NN/4)X5.08 + (PP/2)X1.27 + 9.12
DIM B	DIM "A" - 5.00
DIM C	DIM "A" - 0.94
DIM D	DIM "A" - 4.04
DIM E	DIM "A" - 5.30
DIM F	(MM/8-1)x10.16 + (NN/4-1)x5.08 + 13.34 (WITH 4 BEAM CONTACT)
	3.18 (WITHOUT 4 BEAM CONTACT)

TABLE 3. PART NUMBER CODE. HPCE VERT 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 AFCI SPECIFICATION GS-24-007

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

7. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

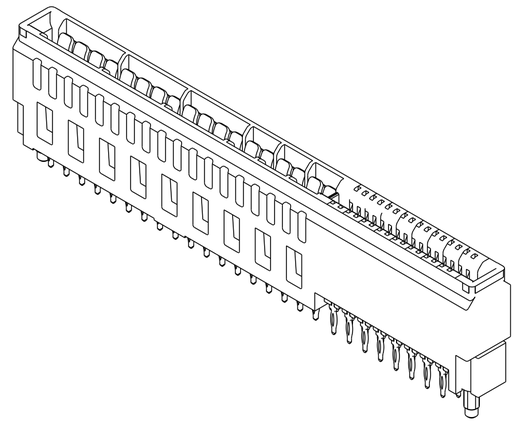
8. MOUNTING HOLES ARE UNPLATED
   Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS
   Ø 2.18 +/- 0.03 FOR SOLDER TAILS

9. PRESS FIT APPLICATION TOOL DRAWING : 10119453.

10. STB=SOLDER TO BOARD,2.36MM PCB THICKNESS.
    PF=PRESS FIT,1.57MM MINIMUN PCB THICKNESS.

11. MAXIUM OVERALL LENGTH IS 100mm.

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



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spec ref -			dr	Hai-Ling Liu	2016/03/09	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sunny2 Liu	2016/06/16		
			chr	Terris Liu	2016/06/16		
			appr	Pei-Ming Zheng	2016/06/16	product family	
surface ASME Y14.5	linear	0.X ±0.5	Amphenol FCi	title	HPCE VT-ENHANCED WALLS P+S - UNIVERSAL DRAWING LOW HF	dwg no 10139003	rev A
		0.XX ±0.25					
		0.XXX ±0.10					
	angular	0° ±2°		cat. no.	Product - Customer Drw		sheet 4 of 4

size A2 | scale 1:1 | ecn no - | rel level Released

Unikeyic Electronics

Global Electronic Components Distributor

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Amphenol:

68000-236HLF 86093968813H45V1LF 91614-403ALF D15P13A6RV12LF DCMF37P 68001-108HLF 68001-200HLF 86093488314745V1LF LD25S33E4GV00LF 863013A RJE061661210 68002116HLF 69192-408HLF 86130202123355E1LF 95157-140LF CD15S13E4RV09LF DEM09P032N RJSBE5080C2 76384-316LF DAPO15S365TLF 86093968191755E3LF 70218-1116LF 70234-112LF 86093967896755LF 65781-158 70430-164LF LD15P33E4GV00LF 54202-G0805CLF 54202-S08-07LF 67996-204HLF