

Amphenol
FCI

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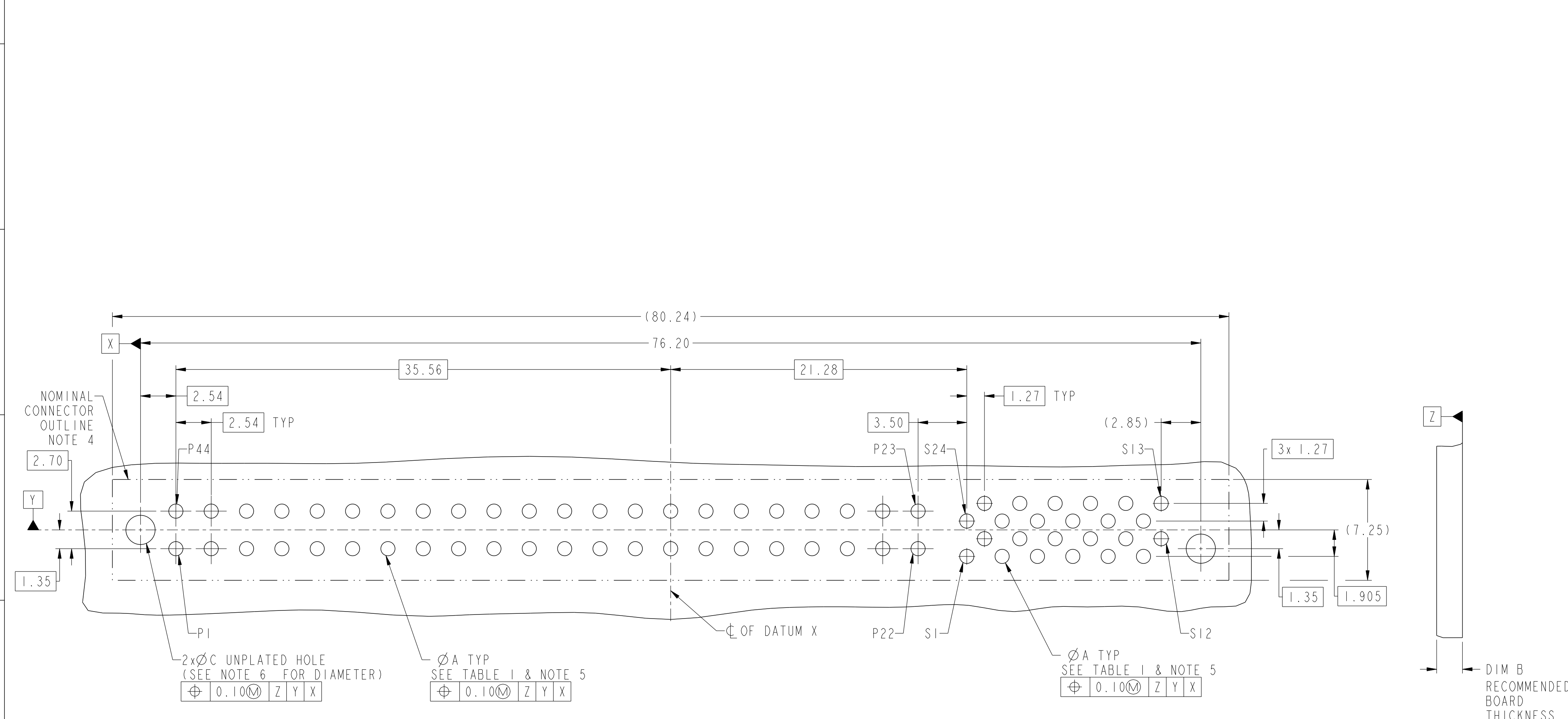
spec ref	-	dr	Sunny2 Liu	2016/10/24	projection	mm	size	A2	scale	4:1		
tolerance std	-	eng	Sunny2 Liu	2016/11/23		mm	A2	4:1	ecn no		-	
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Terris Liu	2016/11/23					rel level	Released		
surface	linear	0.X	±0.5	0.XX					±0.25	0.XXX	±0.10	ASME Y14.5
		Amphenol FCI		HPCE VT RECEPT		cat. no.		Product - Customer Drw		sheet 1 of 4		
		22LP24S		Title		dwg no		10140797		rev		A

PDS: Rev :A

STATUS:Released

Printed: Nov 24, 2016

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER(ϕ A)
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 - 1.5 μ m	0.70 - 0.80
	COPPER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



RECOMMENDED HOST BOARD LAYOUT
DIMENSION TOLERANCE IS ± 0.05 MM

spec ref	-	dr	Sunny2 Liu	2016/10/24	projection	mm	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/11/23			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/11/23						
		appr	Pei-Ming Zheng	2016/11/23						
surface	linear	0.X	± 0.5		product family		HPCE VT RECEPT 22LP24S	cat. no.	Product - Customer Drw	sheet 2 of 4
		0.XX	± 0.25		product family	rel level				
	angular	0°	$\pm 2^\circ$		product family	rel level				
ASME Y14.5							10140797	rev	A	

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Amphenol FCI

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

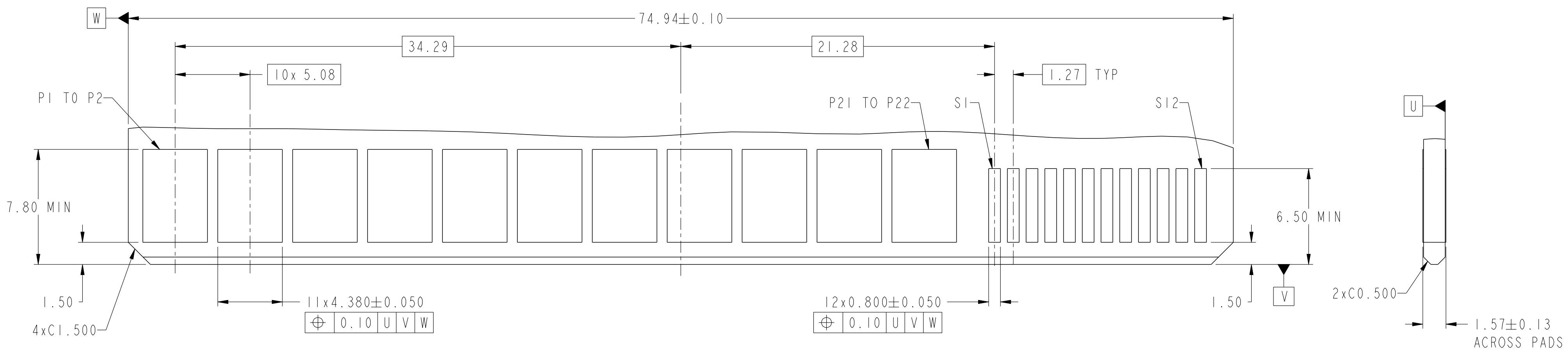
B

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F



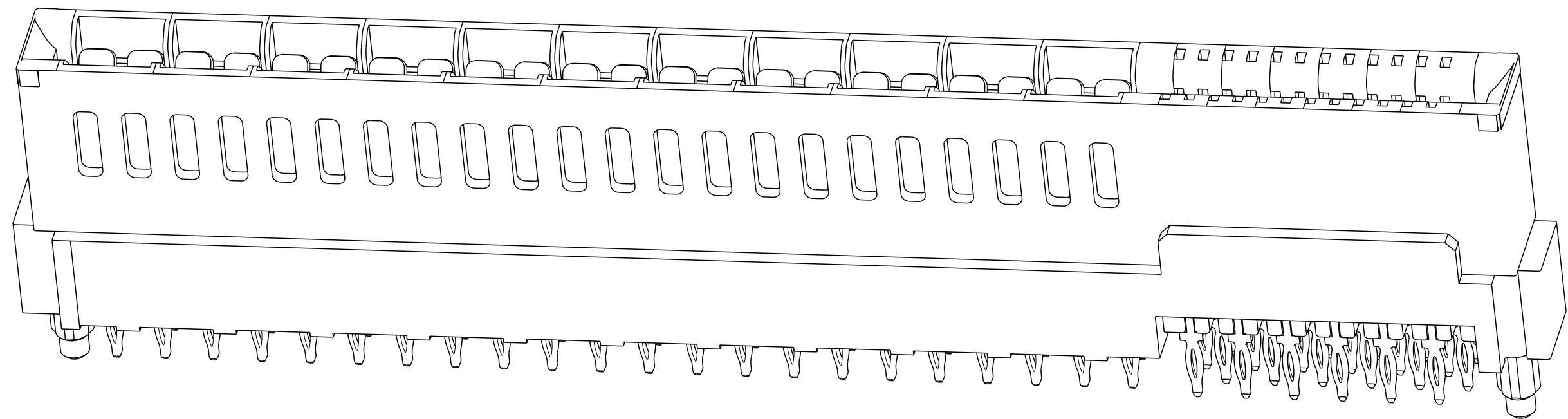
RECOMMENDED MATING BOARD LAYOUT
DIMENSION TOLERANCE IS ±0.05MM

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spec ref	-	dr	Sunny2 Liu	2016/10/24	projection	mm	size	A2	scale	4:1	
tolerance std	ASME Y14.5	eng	Sunny2 Liu	2016/11/23			ecn no	-	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/11/23							
		appr	Pei-Ming Zheng	2016/11/23							
surface	ASME Y14.5	linear	0.X	±0.5	0.XX	±0.25	0.XXX	±0.10	angular	0°	±2°
				title HPCE VT RECEPT 22LP24S		cat. no.	-	Product - Customer Drw	sheet 3 of 4	rev	A

PART NUMBER	TAIL TYPE	TAIL LENGTH	DIM B RECOMMENDED BOARD THICKNESS
10140797-001LF	PRESS FIT	3.17±0.25	1.57 MIN



NOTES:

- 1) PRODUCT MARK:
PART NUMBER AND DATE CODE TO BE MARKED ON THIS SURFACE .
THE MARK CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.
- 2) MATERIALS:
-HOUSING : HIGH TEMPERATURE THERMOPLASTIC WITH GLASS FIBER, UL94V-0, BLACK.
-CONTACT : COPPER ALLOY.
- 3) CONTACT FINISH REF: GS-12-604 SECTION 5.2.
- 4) DENOTES CONNECTOR KEEP OUT ZONE.
- 5) ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
- 6) MOUNTING HOLES ARE UNPLATED
Ø2.40 +/- 0.1 FOR PRESS FIT TAILS
- 7) THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING SOLDER PROCESS.
- 8) THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- 9) PRODUCT SPECIFICATION : GS-12-604.
APPLICATION SPECIFICATION : GS-20-128.
PACKAGING SPECIFICATION: GS-14-937.
- 10) PRESS FIT APPLICATION TOOL DRAWING:10119453.

spec ref	-	dr	Sunny2 Liu	2016/10/24	projection	mm	size	A2	scale	4:1
tolerance std	-	eng	Sunny2 Liu	2016/11/23			ecn no	-	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Terris Liu	2016/11/23						
surface	linear	appr	Pei-Ming Zheng	2016/11/23	product family	-	rel level	Released	cat. no.	HPCE VT RECEPT
ASME Y14.5	angular								dwg no	10140797
									rev	A
									Product - Customer Drw	sheet 4 of 4