

SECTION A-A

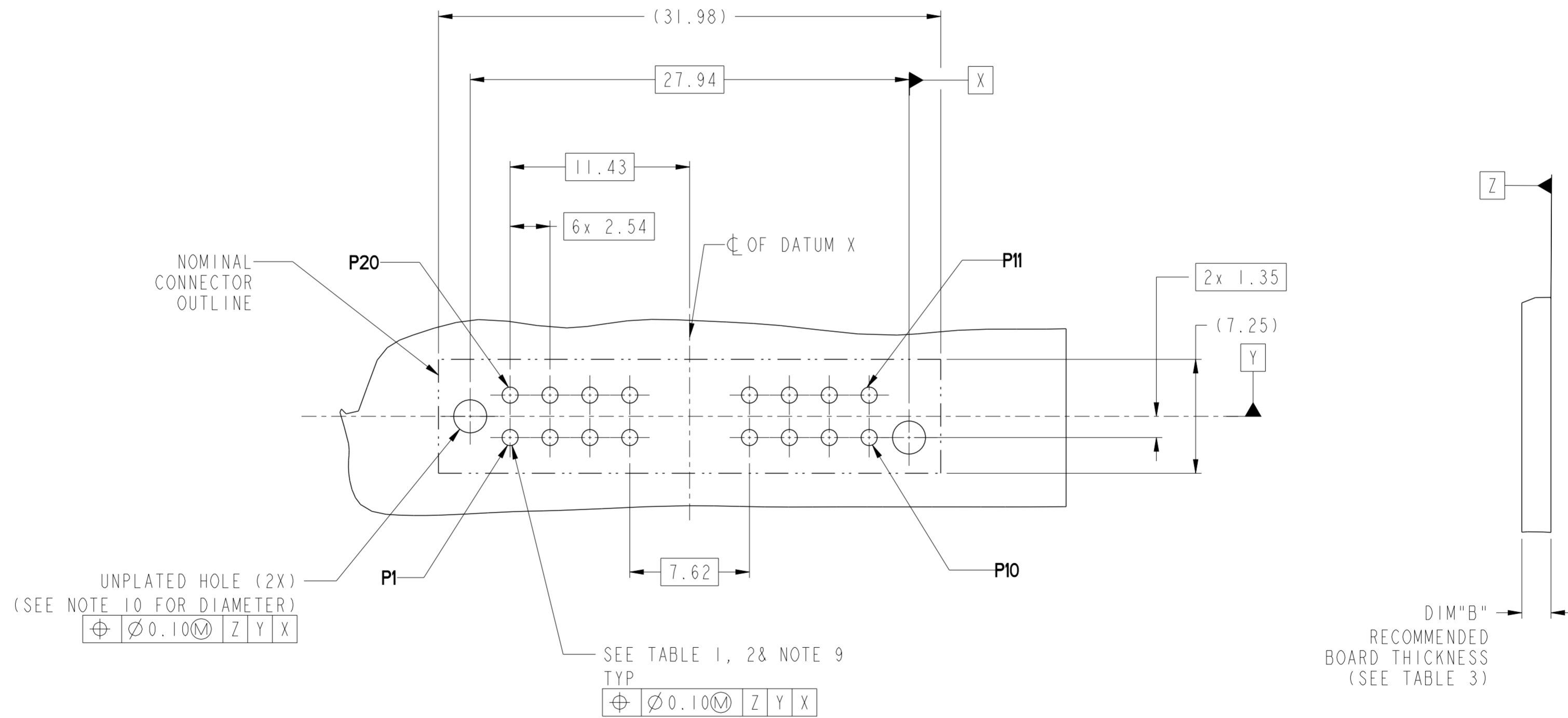
spec ref	-	dr	Eric Jiang	2013/04/10	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/05/20				rel level	Released	
surface	ISO 1302	appr	Pai-Ming Zheng	2016/05/24	product family	VERT RECT (20P) HIGH POWER CARD EDGE		dwg no	10125025	
								rev	B	
					cat. no.	Product - Customer Drw		sheet 1 of 4		

Amphenol  
FCi

© 2016 AFci

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 (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10

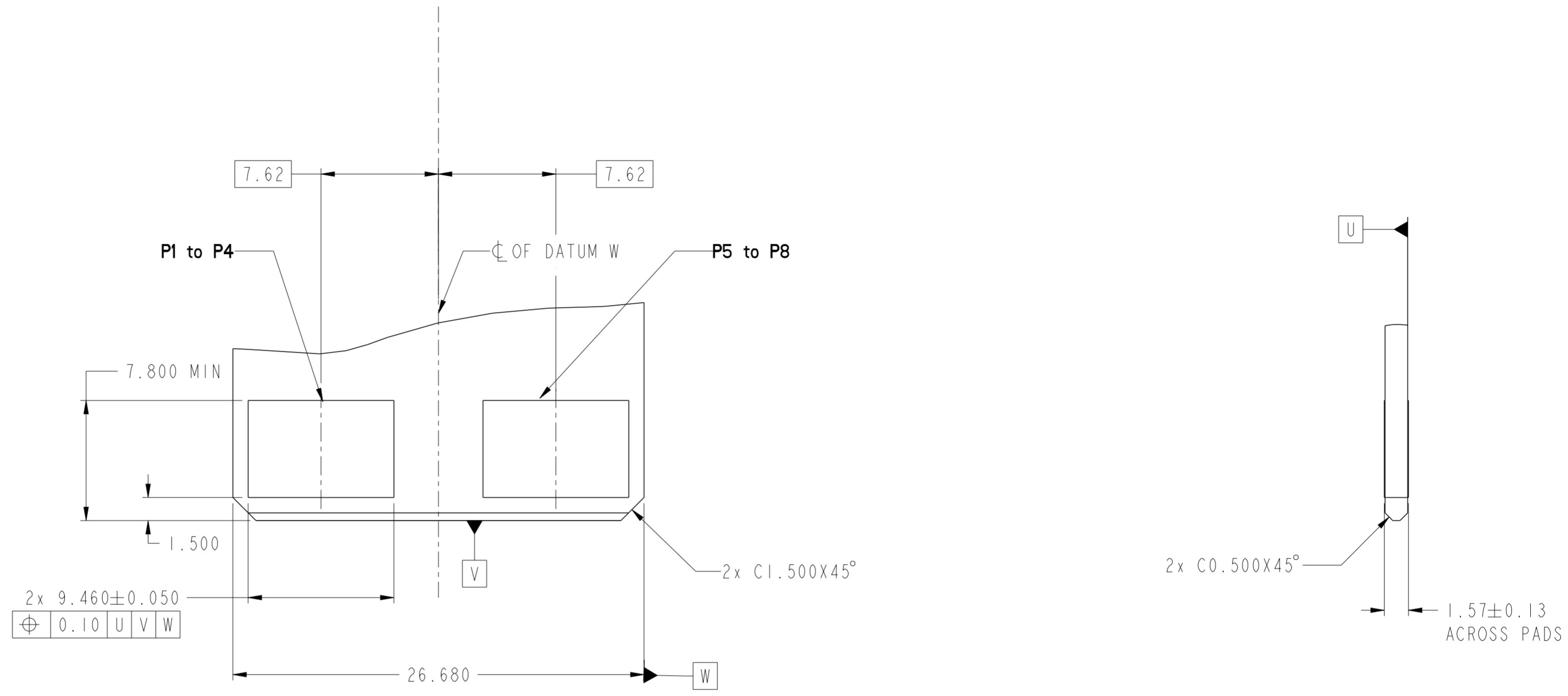
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80
	COPPER (SEE NOTE 8)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



spec ref	-	dr	Eric Jiang	2013/04/10	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/05/20						
		appr	Pai-Ming Zheng	2016/05/24						
surface	linear	0.X	±0.5	<b>Amphenol FCI</b>	product family		title VERT RECT (20P) HIGH POWER CARD EDGE	dwg no 10125025	rev B	
		0.XX	±0.25		cat. no.					Product - Customer Drw
	angular	0°	±2°		sheet 2 of 4					

Amphenol FCI

© 2016 APCI



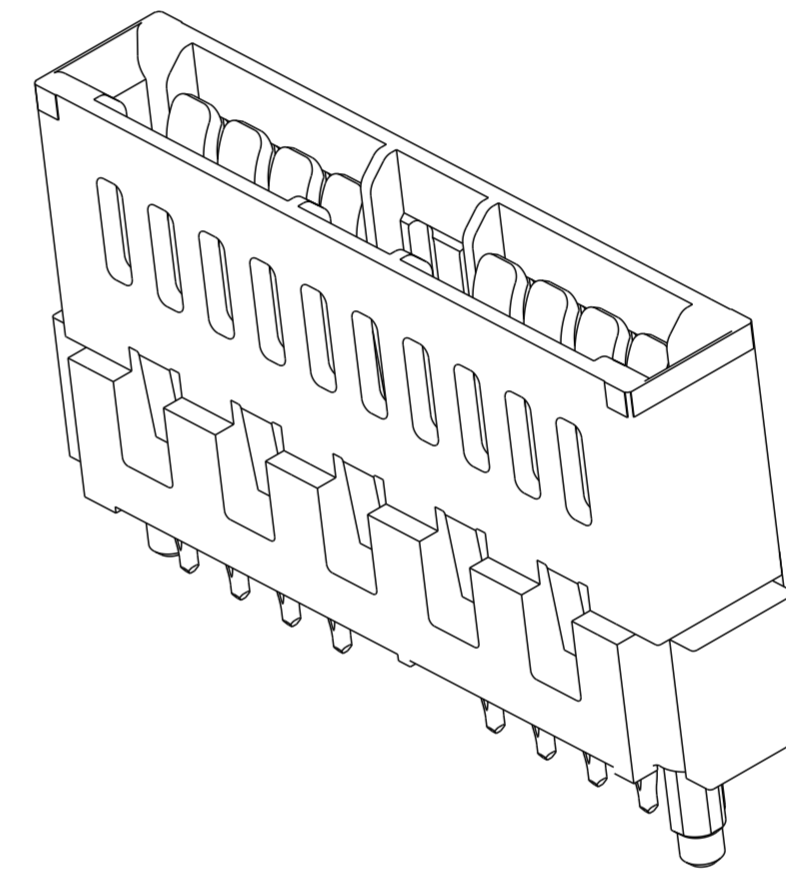
2x 9.460±0.050				
⊕	0.10	U	V	W

Amphenol  
FCi






spec ref	-			dr	Eric Jiang	2013/04/10	projection	MM	size	A2	scale	1:1		
tolerance std	ISO 406 ISO 1101			eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1				
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr	Terris Liu	2016/05/20			rel level	Released				
surface	linear	0.X	±0.5	appr	Pai-Ming Zheng	2016/05/24			product family					
		0.XX	±0.25	<b>Amphenol FCI</b>				title	VERT RECT (20P)		dwg no	10125025	rev	B
		0.XXX	±0.10					cat. no.			Product - Customer Drw		sheet 3 of 4	
	angular	0°	±2°	PDS: Rev :B				STATUS:Released		Printed: May 24, 2016				

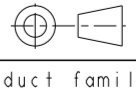
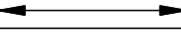
HPCE PART NUMBER (TABLE 3)

PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10125025-001LF	SOLDER	NO	3.17 ±0.25	1.59 - 2.38
10125025-002LF	PRESS-FIT	NO	3.17 ±0.25	1.57 MIN



NOTES:

- CONNECTOR MATERIALS:  
 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK  
 UL 94V-0 COMPLIANT  
 CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
- CONTACT FINISH REF. GS-12-604 SECTION 5.2.
- PRODUCT SPECIFICATION: GS-12-604.
- APPLICATION SPECIFICATION: GS-20-128.
-  5. PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.
- PACKAGING MEETS FCI SPECIFICATION GS-14-937.
- HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
-  COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
-  ALL HOLE SIZES ARE FINISHED HOLE SIZES.
-  MOUNTING HOLES ARE UNPLATED  
 Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS  
 Ø 2.18 +/- 0.03 FOR SOLDER TAILS
- PRESS FIT APPLICATION TOOL DRAWING : 10119453.
- A SYMBOL  WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref	-	dr	Eric Jiang	2013/04/10	projection	MM	size	A2	scale	1:1			
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/05/20			rel level	Released					
surface	linear	0.X	±0.5	0.XX			±0.25	0.XXX	±0.10	Amphenol FCI	VERT RECT (20P) HIGH POWER CARD EDGE	cat. no.	10125025
ISO 1302	angular	0°	±2°	appr	Pai-Ming Zheng	2016/05/24	product family	Product - Customer Drw			sheet 4 of 4		