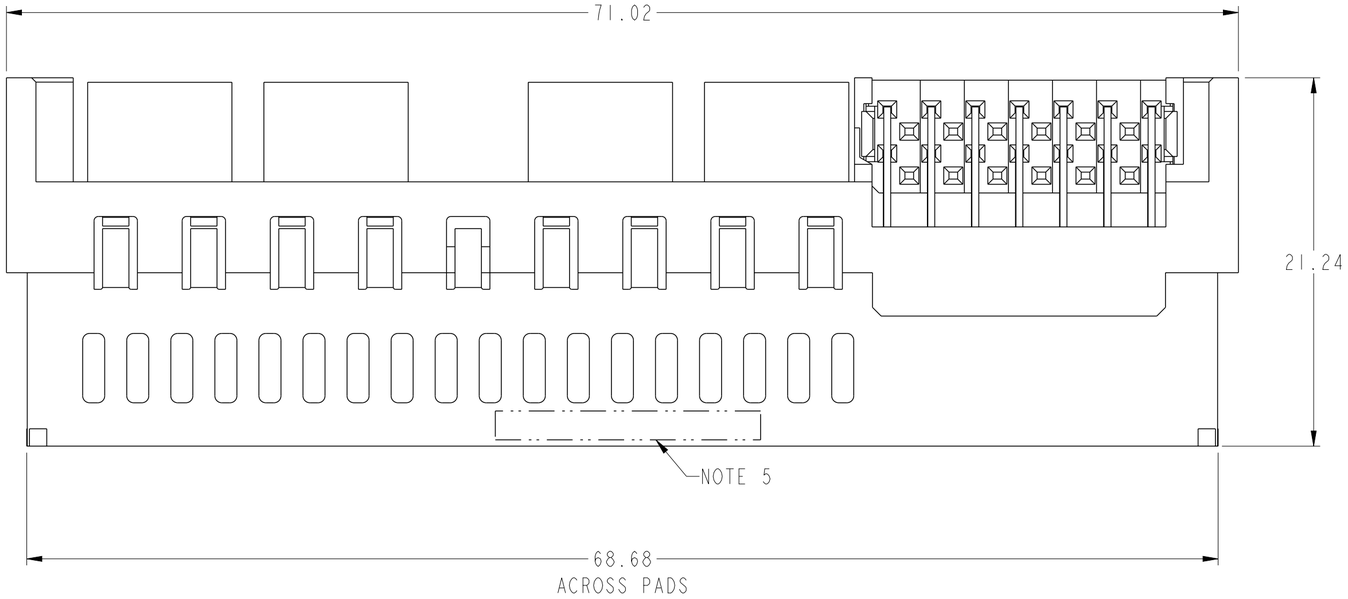
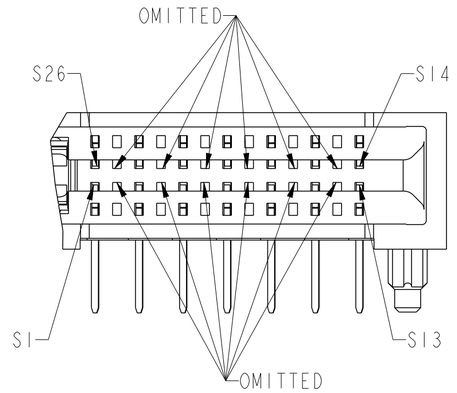
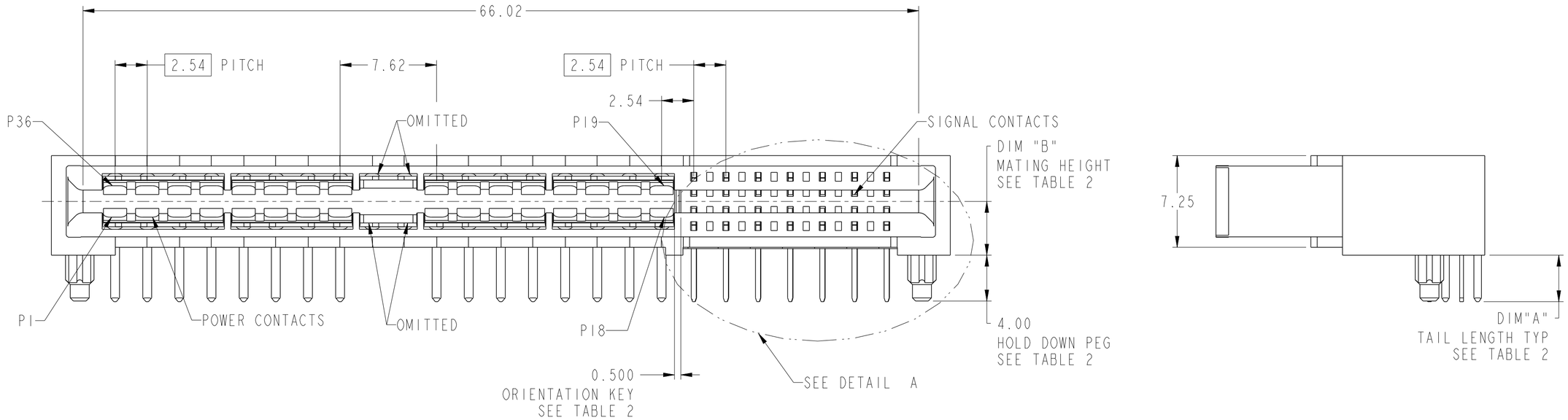




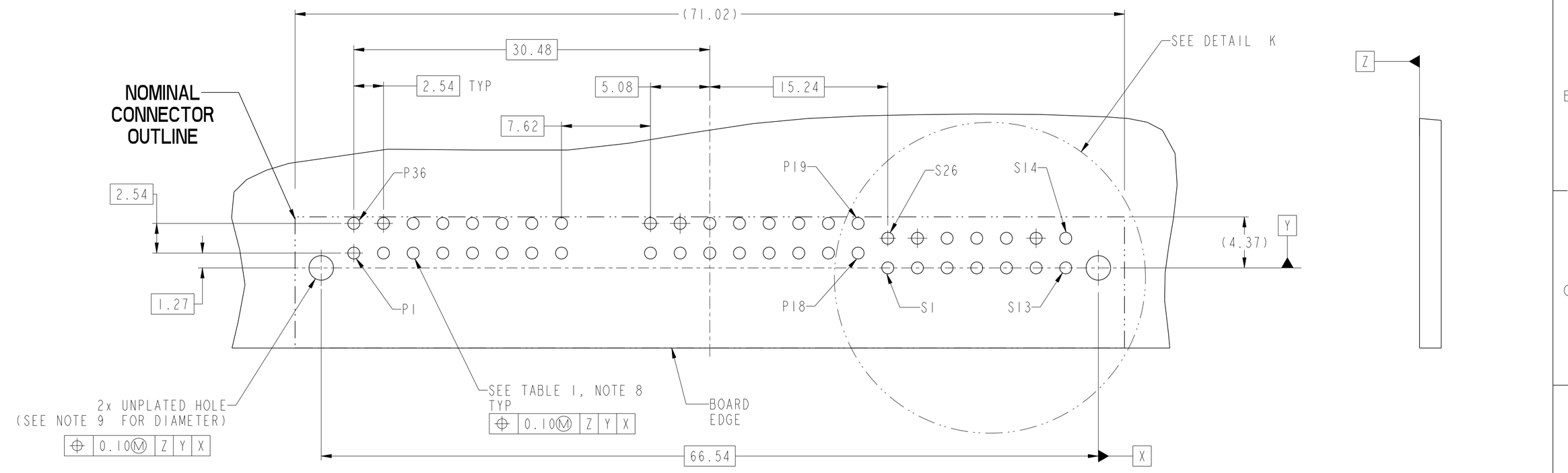


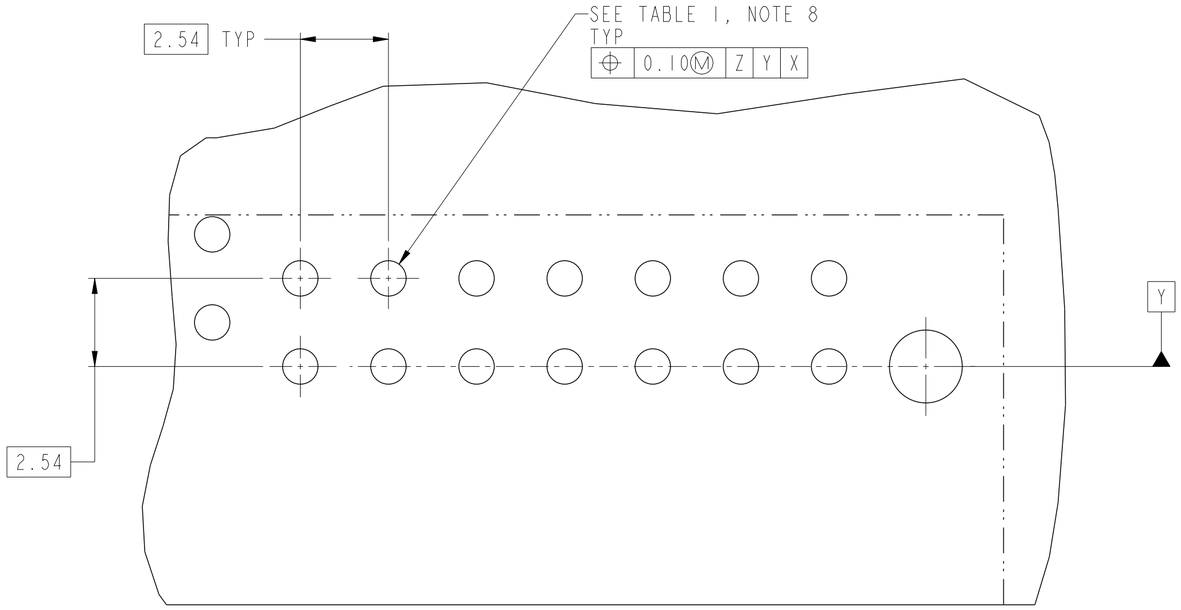
© 2016 AFCI

spec ref -			dr	Hai-Ling Liu	2014/07/22	projection	MM	size A2 / scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Andy Lu	2019/12/04			ecn no -
			chr	Webber Yan	2019/12/04			
			appr	Zheng, Pei-Min	2019/12/04	product family HPCE		rel level Released
surface - ISO 1302	linear	0.X ±0.5	Amphenol FCi	title	RAR 36P26S (Omit 4P12S)		dwg no 10131059	rev A
		0.XX ±0.25			HIGH POWER CARD EDGE			
		0.XXX ±0.10	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 1 of 4
	angular	0° ±2°						

Downloaded from Arrow.com.

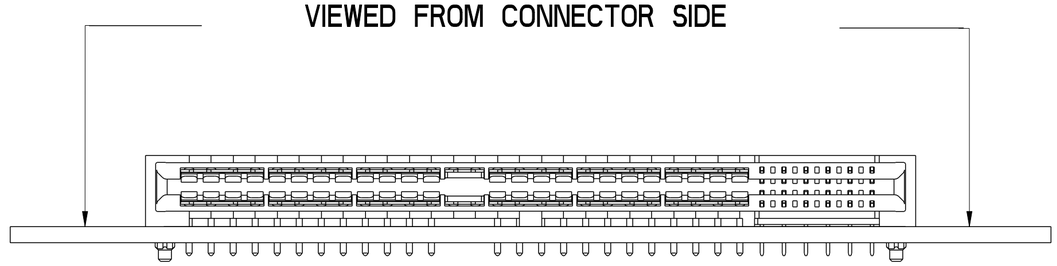
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN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





DETAIL K
SCALE 8:1

RECOMMENDED PCB LAYOUT
VIEWED FROM CONNECTOR SIDE

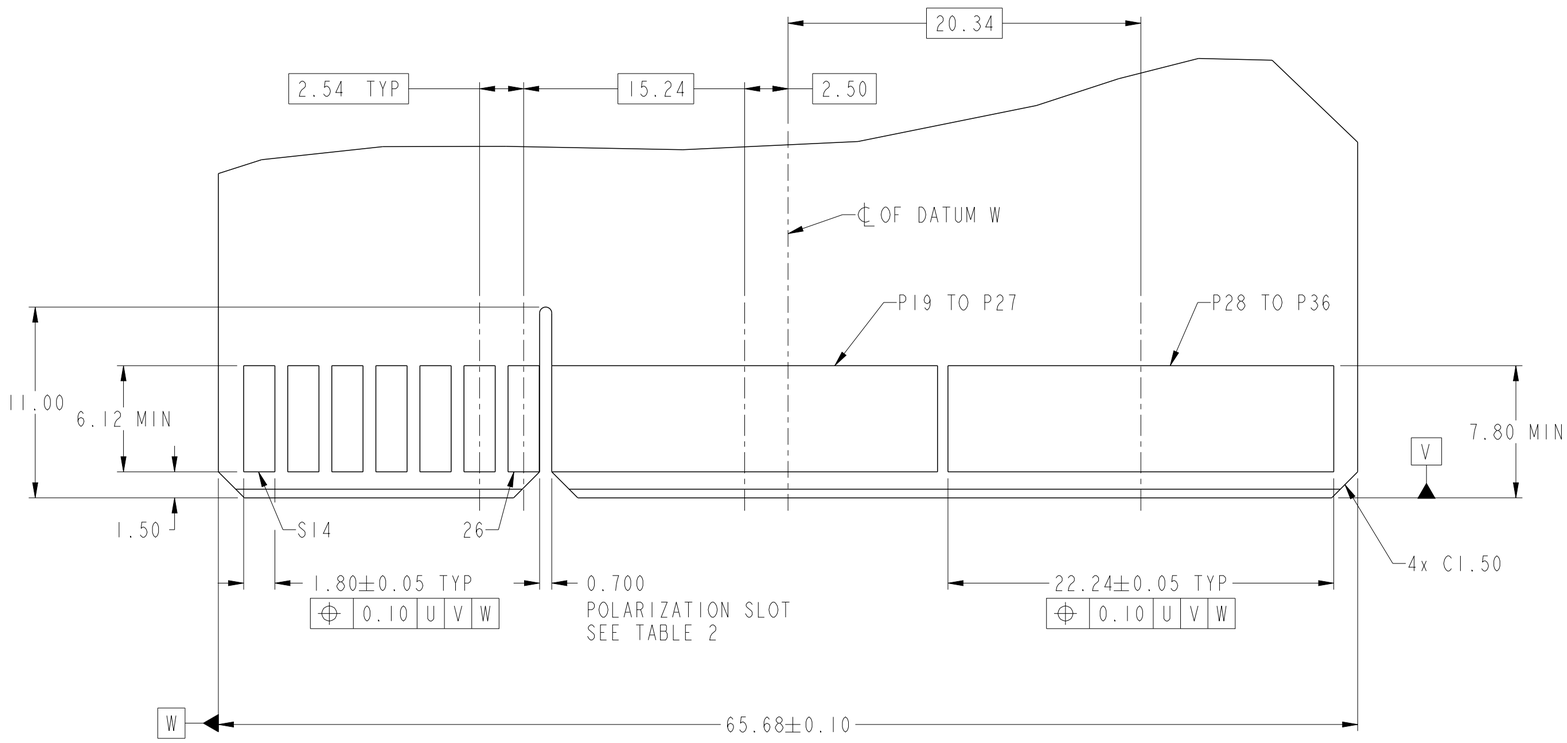


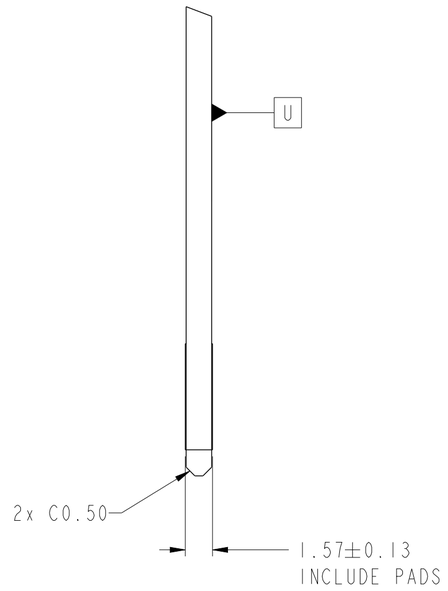
spec ref	-			dr	Hai-Ling Liu	2014/07/22	projection	MM	size A2	scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Andy Lu	2019/12/04			ecn no -	
				chr	Webber Yan	2019/12/04				
				appr	Zheng, Pei-Min	2019/12/04	product family HPCE		rel level Released	
surface - ISO 1302	linear	0.X	±0.5	Amphenol FCI	title: RAR 36P26S (Omit 4P12S) HIGH POWER CARD EDGE				dwg no 10131059	rev A
		0.XX	±0.25							
		0.XXX	±0.10							
	angular	0°	±2°	www.fci.com	cat. no. -		Product - Customer Drw		sheet 2 of 4	

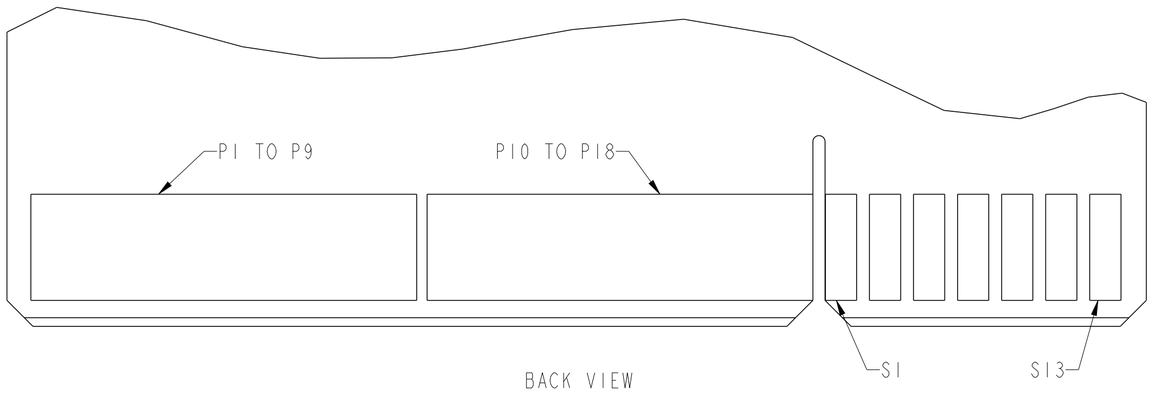
© 2016 AFCI

Creo File - REV E - 2016-02-12

Downloaded from Arrow.com.







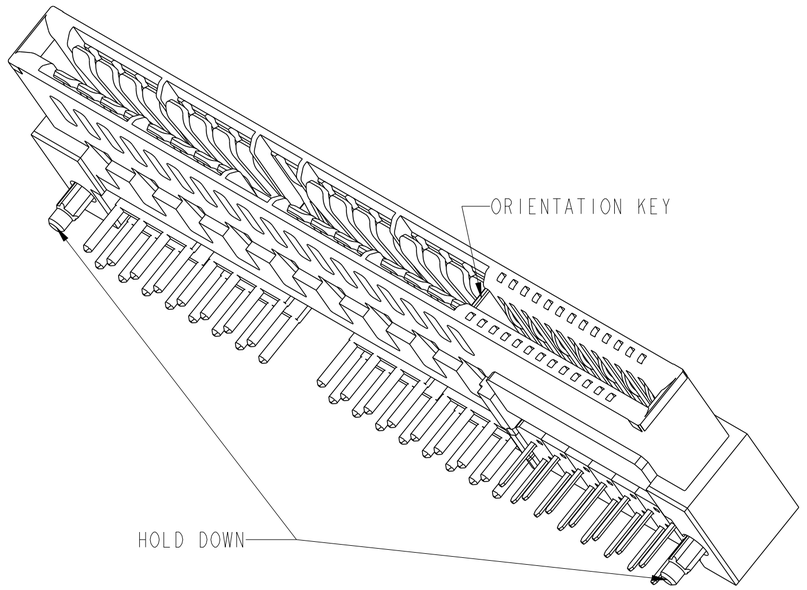
REFERENCE
PANDEMONIUM POWER SUPPLY BOARD
DIMENSION TOLERANCE IS ± 0.05 mm

spec ref -				dr	Hai-Ling Liu	2014/07/22	projection	MM	size A2	scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Andy Lu	2019/12/04				
				chr	Webber Yan	2019/12/04			ecn no -	
				appr	Zheng, Pei-Min	2019/12/04	product family HPCE		rel level Released	
surface - ISO 1302	linear	0.X	±0.5	Amphenol FCi	title	RAR 36P26S (Omit 4P12S) HIGH POWER CARD EDGE			dwg no 10131059	rev A
		0.XX	±0.25							
		0.XXX	±0.10							
	angular	0°	±2°	www.fci.com	cat. no. -		Product - Customer Drw		sheet 3 of 4	

© 2016 AFCI

Downloaded from Arrow.com.

HPCE PART NUMBER (TABLE 2)					
PART NUMBER	TAIL TYPE	HOLD-DOWN OPTION	ORIENTATION KEY	DIM "A" TAIL LENGTH ±0.25	DIM "B" MATING LENGTH
10131059-001LF	SOLDER TAIL	YES	NO	2.87	(4.25)
10131059-002LF	SOLDER TAIL	YES	YES	2.87	
10131059-003LF	SOLDER TAIL	YES	NO	4.47	(4.25)
10131059-004LF	SOLDER TAIL	YES	YES	4.47	



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. HOUSING COMPONET WILL WITHSTAND EXPOSURE TO 245°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION.

8. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

9. MOUNTING HOLES ARE UNPLATED
   ∅ 2.18 +/- 0.03 FOR SOLDER TAILS

10. A △- SYMBOL WILL BE NEXT ANY DIMENSION,VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH CURRENT DRAWING VERSION .

© 2016 AFCI

spec ref	-			dr	Hai-Ling Liu	2014/07/22	projection	MM	size A2 / scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Andy Lu	2019/12/04			
				chr	Webber Yan	2019/12/04			ecn no -
				appr	Zheng, Pei-Min	2019/12/04	product family HPCE		rel level Released
surface - ISO 1302	linear	0.X	±0.5	Amphenol FCi	title: RAR 36P26S (Omit 4P12S) HIGH POWER CARD EDGE			dwg no 10131059	rev A
		0.XX	±0.25						
		0.XXX	±0.10						
	angular	0°	±2°	www.fci.com	cat. no. -		Product - Customer Drw		sheet 4 of 4

Downloaded from Arrow.com.