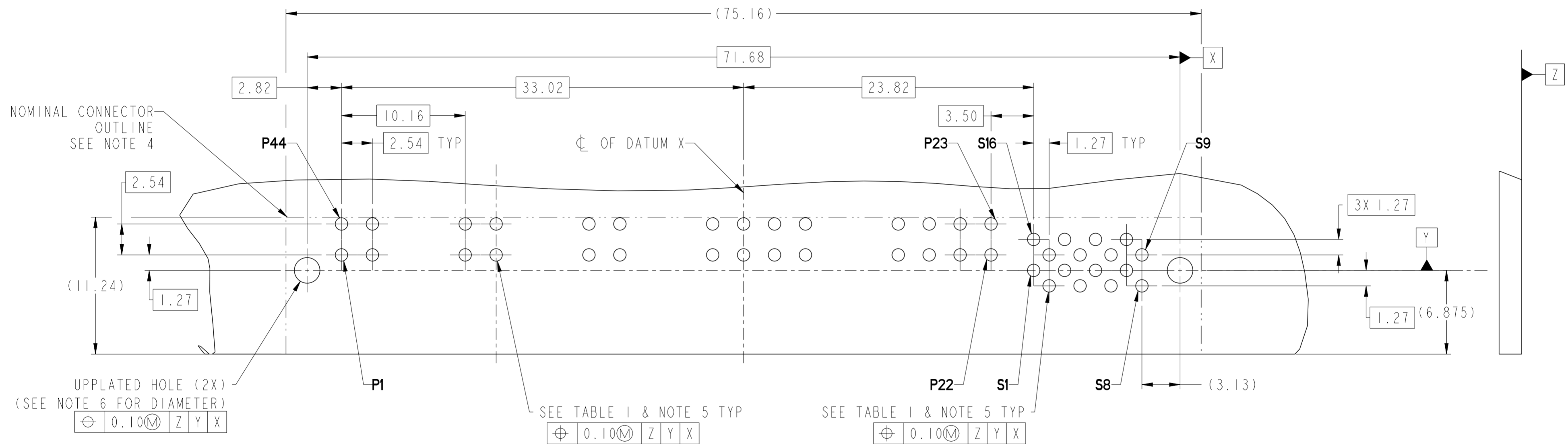


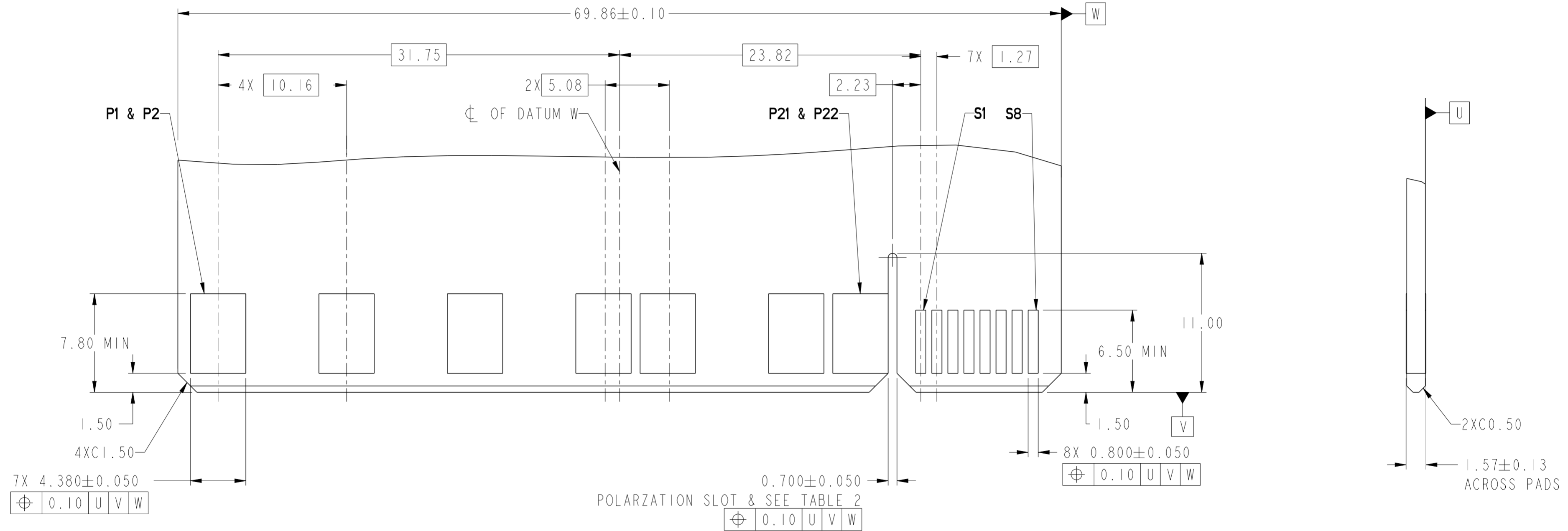
spec ref	-	dr	Leborn Luo	2017/10/23	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Leborn Luo	2017/11/07			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Kaka Zhang	2017/11/07						
surface	linear	0.X	±0.50	Amphenol FCI	product family		cat. no. -	Product - Customer Drw	sheet 1 of 4	
		0.XX	±0.25		title	HPCE R/A REC				
	angular	0°	±2°		22LP16S OMITTED 8LP	10145920				
				appr	Pei-Ming Zheng	2017/11/07	rev	A		

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



RECOMMENDED PCB LAYOUT
DIMENSION TOLERANCE IS ±0.05MM

spec ref	-	dr	Leborn Luo	2017/10/23	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Leborn Luo	2017/11/07			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Kaka Zhang	2017/11/07						
surface	linear	0.X	±0.50		HPCE R/A REC 22LP16S OMITTED 8LP	cat. no.	Product - Customer Drw	sheet 2 of 4	rev A	
		0.XX	±0.25							
	angular	0°	±2°							



**RECOMMENDED MATING BOARD FOOTPRINT
DIMENSION TOLERANCE IS ±0.05MM**

spec ref	-	dr	Leborn Luo	2017/10/23	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Leborn Luo	2017/11/07			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Kaka Zhang	2017/11/07						
surface	ISO 1302	appr	Pei-Ming Zheng	2017/11/07	product family	-	rel level	Released	cat. no.	-
	linear	0.X	±0.50		title		HPCE R/A REC		dlg no 10145920	rev A
		0.XX	±0.25		22LP16S OMITTED 8LP					
	angular	0°	±2°		Product - Customer Drw					

PDS: Rev :A

STATUS:Released

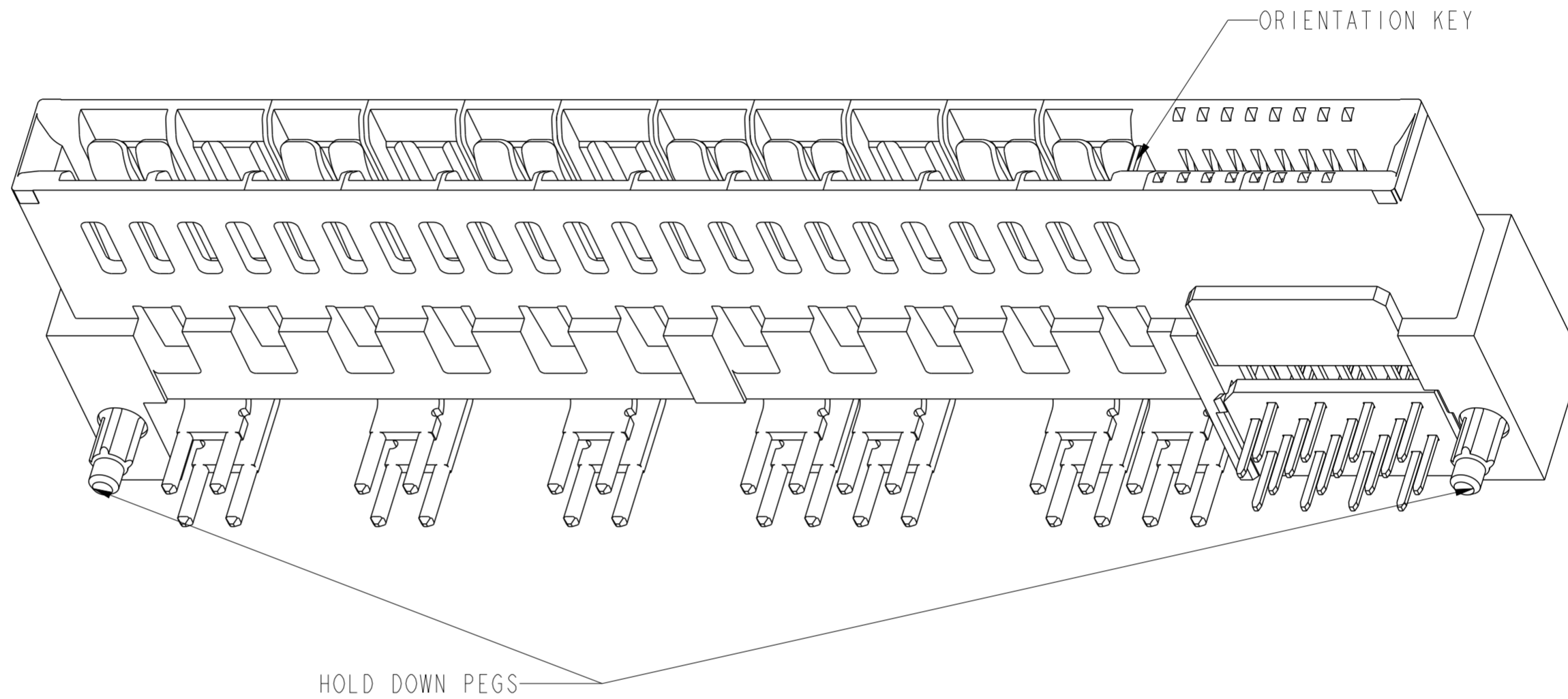
Printed: Nov 07, 2017

sheet 3 of 4

Amphenol
FCI

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HPCE PART NUMBER (TABLE 2)					
PART NUMBER	TAIL TYPE	HOLD-DOWN OPTION	ORIENTATION KEY	DIM "T" TYPICAL TAIL LENGTH	
10145920-001LF	SOLDER TAIL	YES	YES	2.60±0.25	
10145920-002LF			NO		
10145920-003LF		NO	YES		
10145920-004LF			NO		
10145920-005LF	SOLDER TAIL	YES	YES		3.25±0.25
10145920-006LF			NO		
10145920-007LF		NO	YES		
10145920-008LF			NO		



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
Ø2.18 +/- 0.03 FOR SOLDER TAILS
7. THE HOUSING WILL WITHSTAND EXPOSURE TO 245°C PEAK TEMPERATURE FOR 10 SECONDS
IN A WAVE SOLDER APPLICATION .
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.

spec ref	-	dr	Leborn Luo	2017/10/23	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Leborn Luo	2017/11/07			ecn no	-	rel level	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Kaka Zhang	2017/11/07			Released			
surface	linear	appr	Pei-Ming Zheng	2017/11/07	product family	-	rel level	Released	-	
	angular	Amphenol FCI		title	HPCE R/A REC		dwg no	10145920		rev
ISO 1302	0.X ±0.50 0.XX ±0.25 0.XXX ±0.10			22LP16S OMITTED 8LP					A	
				cat. no.	-		Product - Customer Drw		sheet 4 of 4	