

spec ref	-	dr	Sunny2 Liu	2017/11/06	projection	MM	size	A2	scale	4:1	
tolerance std	ISO 406 ISO 1101	eng	Leborn Luo	2017/12/26			ecn no	-	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	apppr							Pai-Ming Zheng
surface	linear	0.X	±0.50	Amphenol FCI		title HPCE R/A REC 20LP20S OMITTED IOLP		dwg no 10146055		rev A	
		0.XX	±0.25								
		0.XXX	±0.10								
	angular	0°	±2°	cat. no.	-	Product - Customer Drw	sheet 1 of 4				

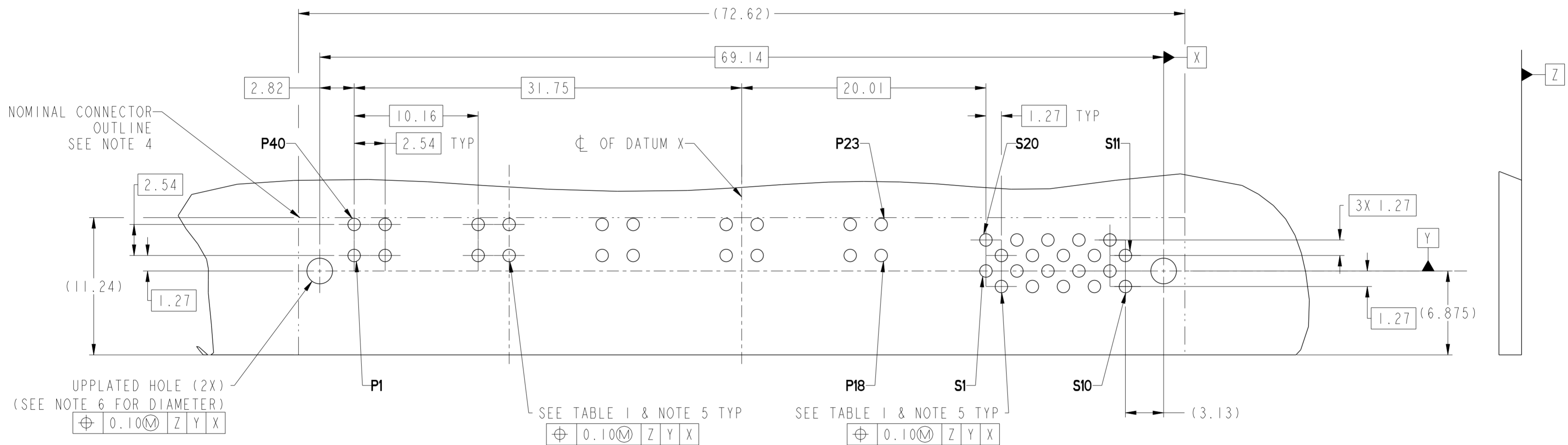
PDS: Rev :A

STATUS:Released

Printed: Dec 26, 2017

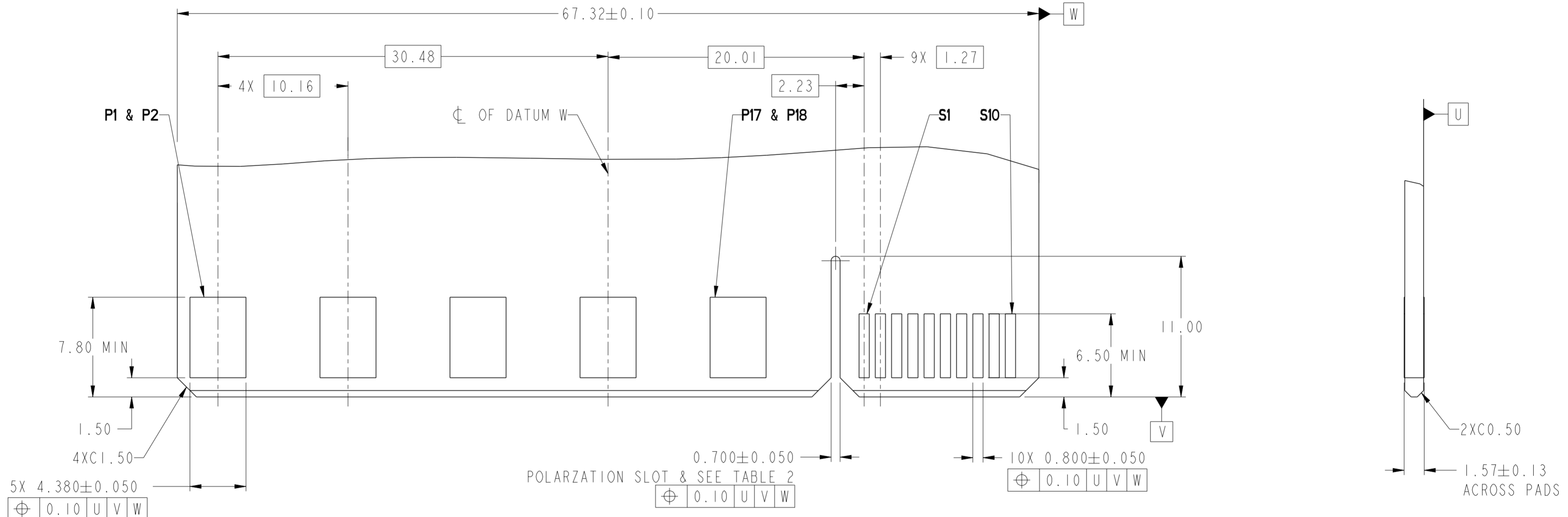
TABLE I (HPCE / SOLDER TAILS)
PLATED THROUGH-HOLE REQUIREMENTS

CONTACT TYPE	TOP LAYER DESCRIPTION	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
		TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--
POWER & SIGNAL	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

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surface	linear	0.X	±0.50	Amphenol FCI		title HPCE R/A REC 20LP20S OMITTED IOLP		dwg no 10146055		rev A	
		0.XX	±0.25								
		0.XXX	±0.10								
	angular	0°	±2°	cat. no.		Product - Customer Drw		sheet 2 of 4			



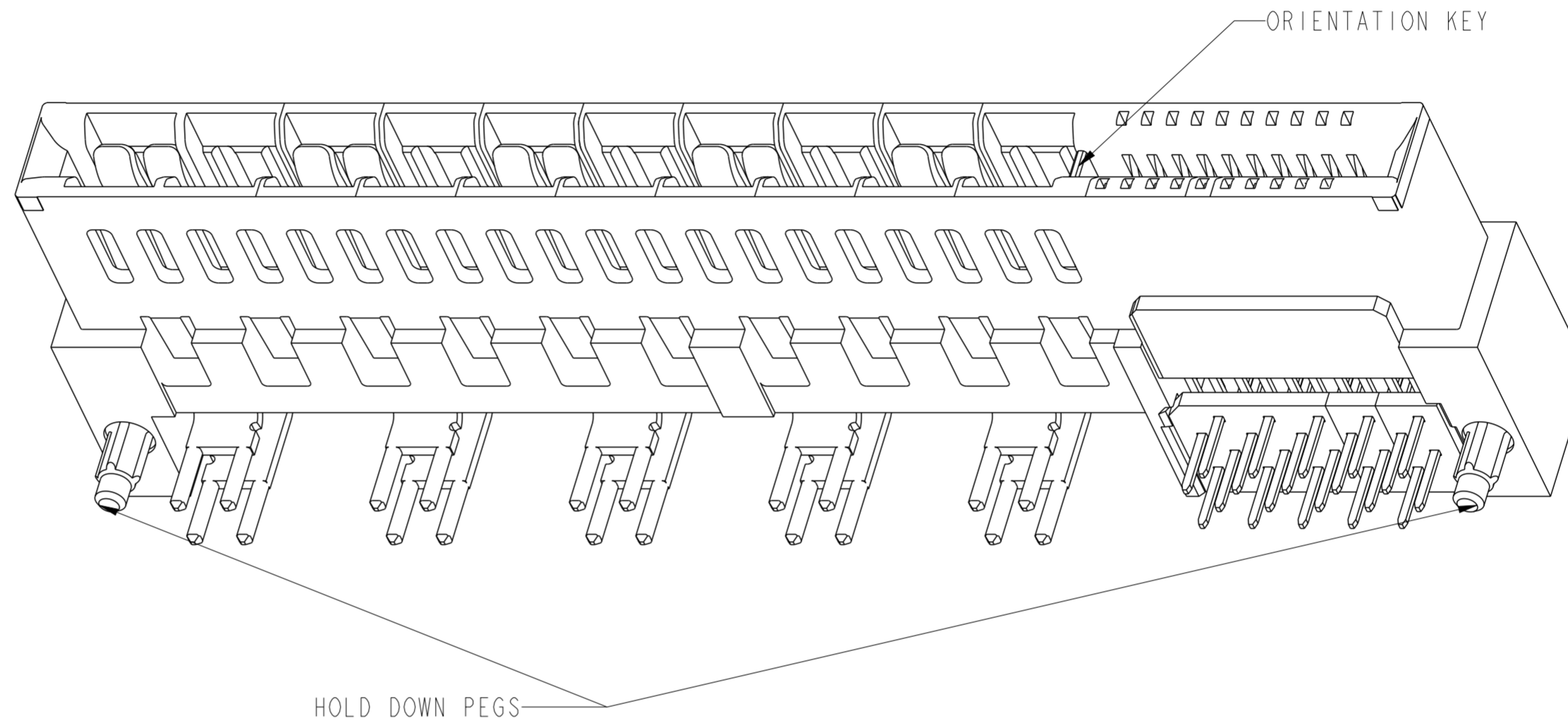
RECOMMENDED MATING BOARD FOOTPRINT
 DIMENSION TOLERANCE IS $\pm 0.05\text{MM}$

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tolerance std	ISO 406 ISO 1101	eng	Leborn Luo	2017/12/26			ecn no	-	rel level	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product family			-	Released		
surface	ISO 1302	appr	Pei-Ming Zheng	2017/12/26			title	HPCE R/A REC		rev
linear	0.X ±0.50 0.XX ±0.25 0.XXX ±0.10	cat. no.		Product - Customer Drw		sheet 3 of 4				
angular	0° ±2°	cat. no.		Product - Customer Drw		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	
10146055-001LF	SOLDER TAIL	YES	YES	2.60±0.25	
10146055-002LF			NO		
10146055-003LF		NO	YES		
10146055-004LF			NO		
10146055-005LF	SOLDER TAIL	YES	YES		3.25±0.25
10146055-006LF			NO		
10146055-007LF		NO	YES		
10146055-008LF			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.

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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Pai-Ming Zheng	2017/12/26	product family	-	Released
surface	linear	0.X	±0.50		Amphenol FCI		title	HPCE R/A REC		dwg no 10146055	rev A
		0.XX	±0.25		20LP20S OMITTED 10LP		cat. no.	-	Product - Customer Drw		
	angular	0°	±2°		PDS: Rev :A		STATUS:Released		Printed: Dec 26, 2017		