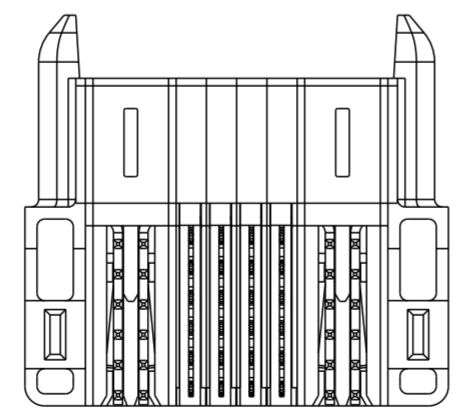
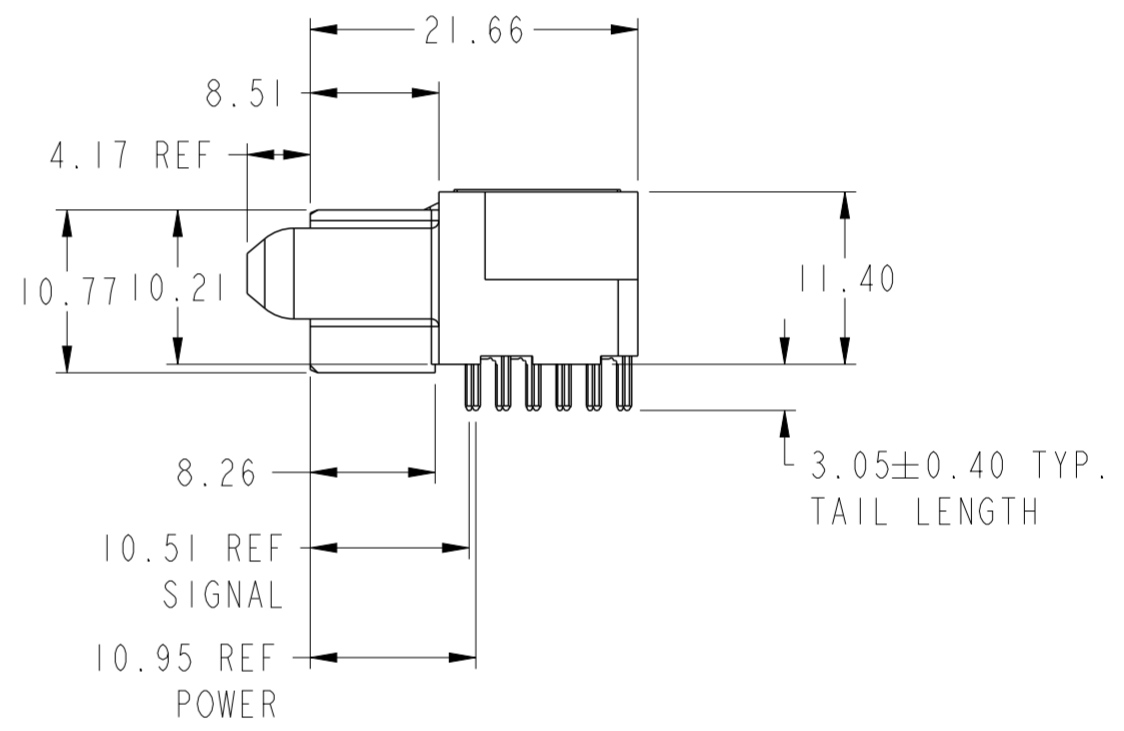
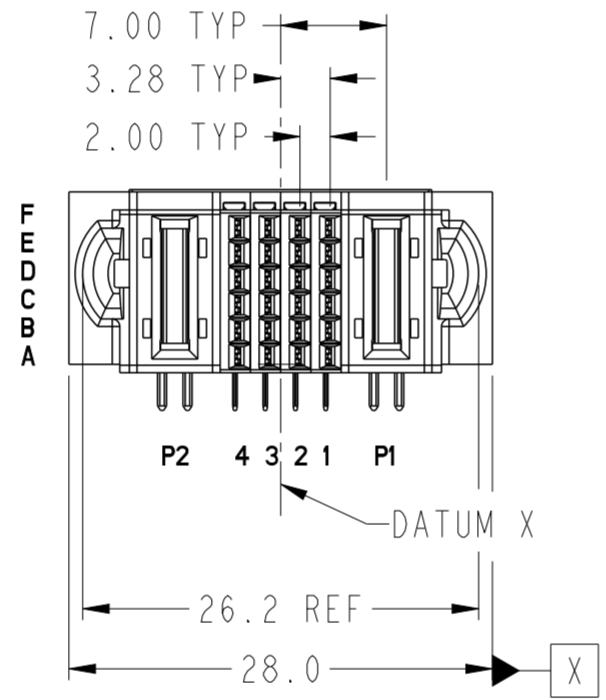
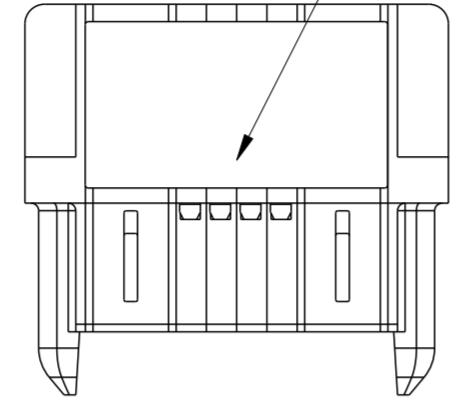


PRODUCT NUMBER
10169892-240000SLF

SEE NOTE 1
PRODUCT MARK ON THE
HOUSING SURFACE



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spec ref	-	dr	Zhi-Jun He	2024/06/27	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	2:1	size	A2
tolerance std	ISO 406 ISO 1101	eng	Zhi-Jun He	2024/09/24		ecn no				
TOLERANCES UNLESS OTHERWISE SPECIFIED		r vwr	-	-		rel level	Released			
surface	ISO 1302	appr	Zheng, Pei-Min	2024/09/24	product family	PwrBlade ULTRA	Product - Customer Drw	sheet 1 of 3	deg no	10169892-240000S
	linear	0.X	±0.5		projection				cat. no.	-
		0.XX	±0.25		projection				rev	A
		0.XXX	±0.130		projection					
	angular	0°	±2°		projection					

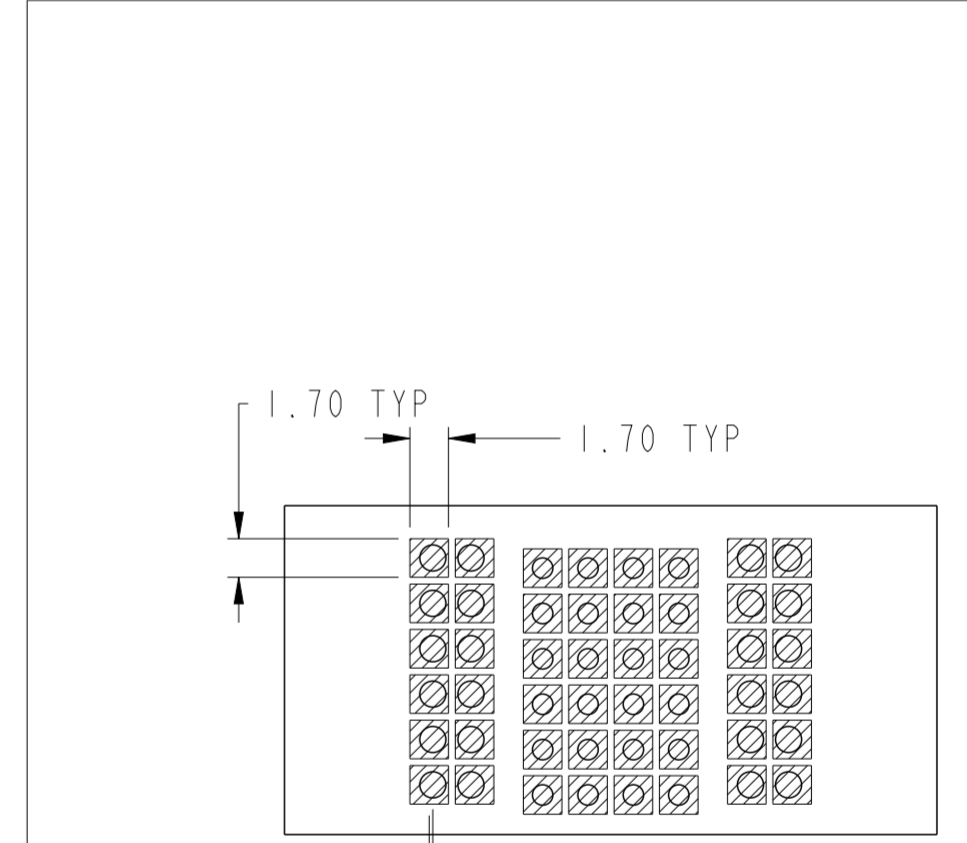
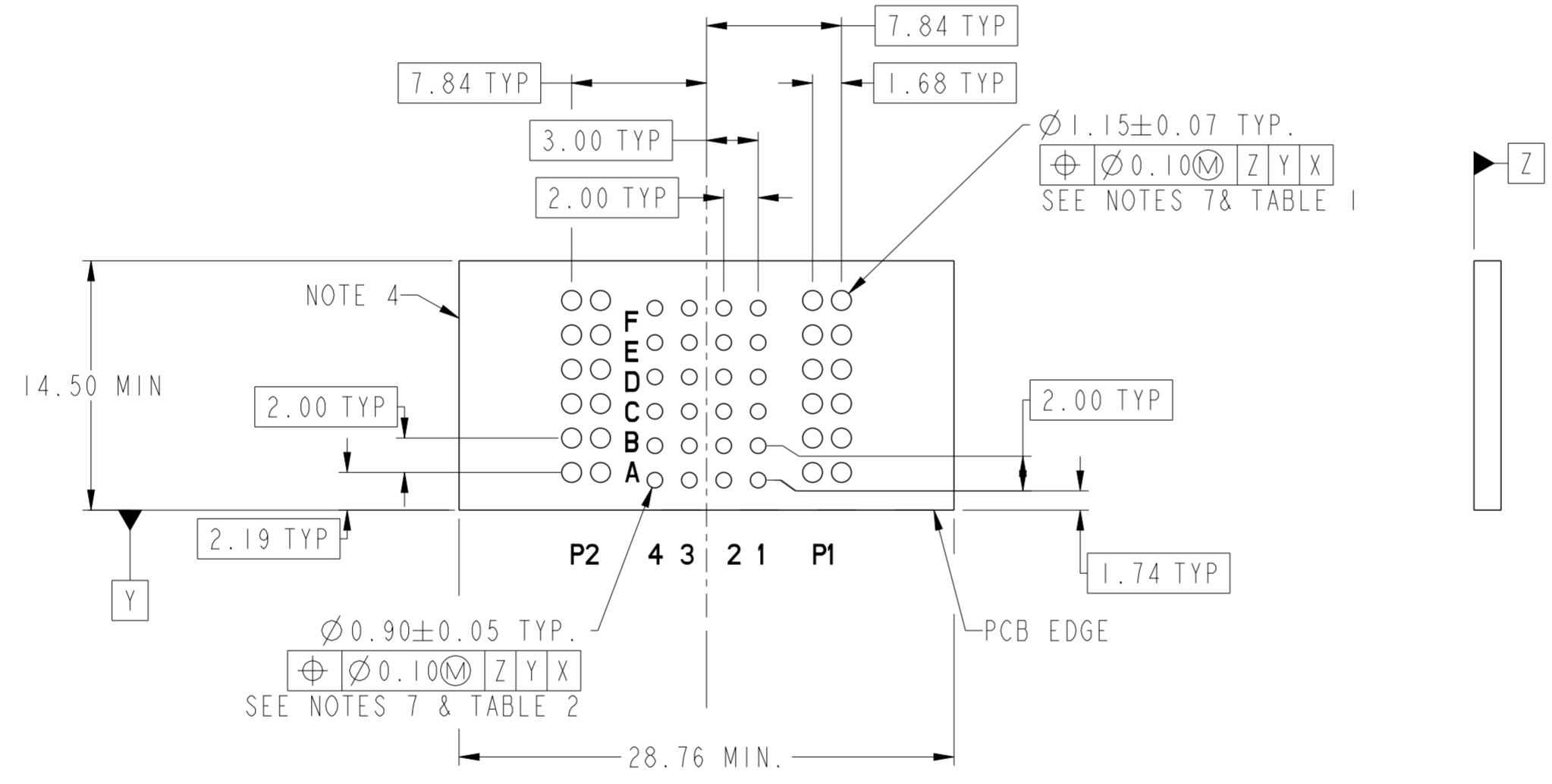
PDS: Rev :A

STATUS:Released

Printed: Sep 24, 2024

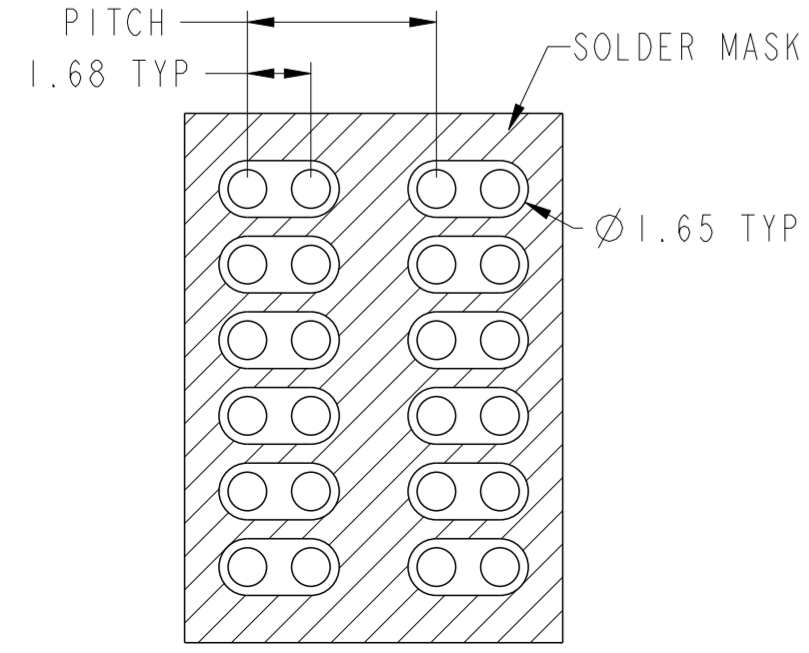
TOP LAYER DESCRIPTION	TABLE 1 (PB ULTRA HD+ POWER CONTACT) PLATED THROUGH-HOLE REQUIREMENTS						
	DRILLED HOLE DIAMETER	COPPER THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
IMMERSION TIN	1.225-1.275 (1.25 DRILL)	0.025 - 0.075	--	--	0.9 - 1.5um	--	1.10 - 1.20
IMMERSION SILVER		0.025 - 0.075	--	--	--	0.15 - 0.65um	1.10 - 1.20
COPPER		0.025 - 0.075	--	--	--	--	1.10 - 1.20
GOLD		0.025 - 0.075	0.003 - 0.007	FLASH UP TO 0.0002	--	--	1.09 - 1.20

TOP LAYER DESCRIPTION	TABLE 2 (PB ULTRA HD+ SIGNAL CONTACT) PLATED THROUGH-HOLE REQUIREMENTS						
	DRILLED HOLE DIAMETER	COPPER THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
IMMERSION TIN	0.975-1.025 (1.00 DRILL)	0.025 - 0.075	--	--	0.9 - 1.5um	--	0.85 - 0.95
IMMERSION SILVER		0.025 - 0.075	--	--	--	0.15 - 0.65um	0.85 - 0.95
COPPER		0.025 - 0.075	--	--	--	--	0.85 - 0.95
GOLD		0.025 - 0.075	0.003 - 0.007	FLASH UP TO 0.0002	--	--	0.84 - 0.95



RECOMMEND PCB LAYOUT TOP VIEW

RECOMMEND SOLDER PASTE LAYOUT FOR PIP PROCESS(T=0.25MM) TOP VIEW



RECOMMENDED SOLDER MASK LAYOUT FOR HIGH POWER MODULES

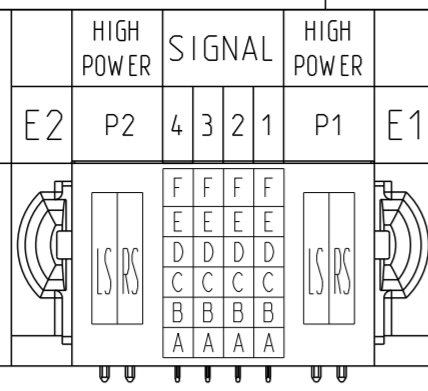
spec ref	-	dr	Zhi-Jun He	2024/06/27	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	2:1	size	A2
tolerance std	ISO 406 ISO 1101	eng	Zhi-Jun He	2024/09/24		ec n no				
	TOLERANCES UNLESS OTHERWISE SPECIFIED	r wvr	-	-		rel level	Released			
surface	ISO 1302	appr	Zheng, Pei-Min	2024/09/24	dig no	10169892-240000S	cat. no.	-	rev	A
		projection			product family	PwrBlade ULTRA	Product - Customer Drw	sheet 2 of 3		

PRODUCT NO.

ROWS

10169892-240000SLF

F
E
D
C
B
A



CODE	DESCRIPTION	REMARK
A	SIGNAL CONTACT	/
B	SIGNAL CONTACT	/
C	SIGNAL CONTACT	/
D	SIGNAL CONTACT	/
E	SIGNAL CONTACT	/
F	SIGNAL CONTACT	/
LS	LEFT POWER CONTACT	MFBL
RS	RIGHT POWER CONTACT	MFBL

NOTES:

- 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.
- MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC WITH GLASS FIBER, UL94V-0, BLACK.
POWER CONTACTS: HIGH CONDUCTIVITY COPPER ALLOY.
SIGNAL CONTACTS: COPPER ALLOY.
HOLD DOWN: COPPER ALLOY.
- PLATING SPECIFICATION: 10135186.
- DENOTES CONNECTOR KEEP OUT ZONE.
- DATUM AND BASIC DIMENSION ARE ESTABLISHED BY CUSTOMER.
- RECOMMEND PCB THICKNESSES 1.6MM.
- 1.250±0.025mm DRILLED HOLE PLATED WITH 7.62µm MIN Sn OVER
25.4µm-76.2µm Cu PLATING TO ACHIEVE A 1.15±0.05mm FINISHED HOLE.

1.100±0.025mm DRILLED HOLE PLATED WITH 7.62µm MIN Sn OVER
25.4µm-76.2µm Cu PLATING TO ACHIEVE A 1.00±0.05mm FINISHED HOLE.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10~30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- THE VOID CORING BETWEEN POWER MODULES, SIGNAL MODULES AND END MODULES ARE OPTIONAL AND THE SHAPE MAY BE DIFFERENT TO OPTIMIZE THE MOLDING PROCESS. THE VOID CORING WILL NOT EFFECT THE PRODUCT FUNCTION.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- PRODUCT SPECIFICATION: GS-12-1895.
APPLICATION SPECIFICATION: GS-20-0849.
PRODUCT PACKAGE SPECIFICATION: GS-14-3094.

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spec ref	-	dr	Zhi-Jun He	2024/06/27		MM	scale	2:1	size	A2
tolerance std	ISO 406 ISO 1101	eng	Zhi-Jun He	2024/09/24		ec n no				
TOLERANCES UNLESS OTHERWISE SPECIFIED		r v w r	-	-		rel level	Released			
surface	linear	0.X	±0.5	projection						
		0.XX	±0.25							
		0.XXX	±0.130							
	angular	0°	±2°							
ISO 1302										
		product family		PwrBlade ULTRA	Product - Customer Drw		sheet 3 of 3			

PDS: Rev :A

STATUS:Released

Printed: Sep 24, 2024