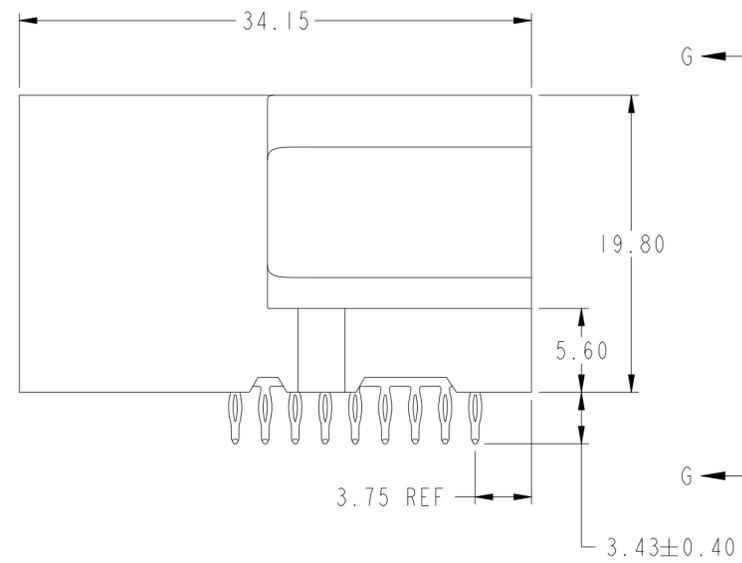
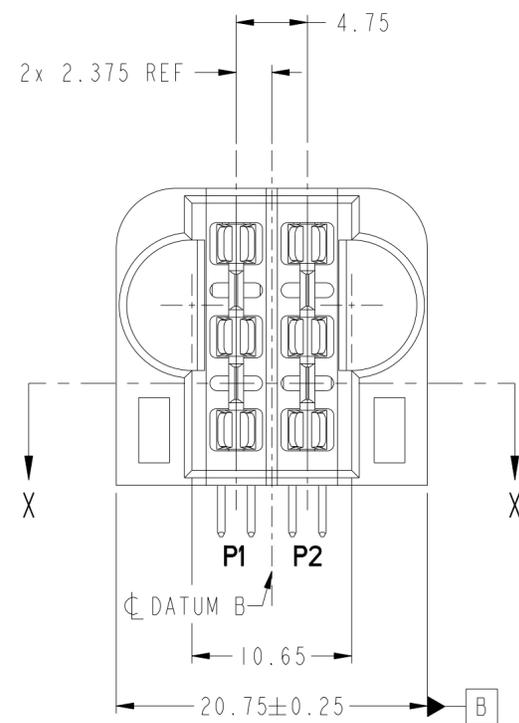


DETAIL A
SCALE 4:1
 POWER MATING
 SEQUENCE

VIEW G-G



Amphenol
FCI

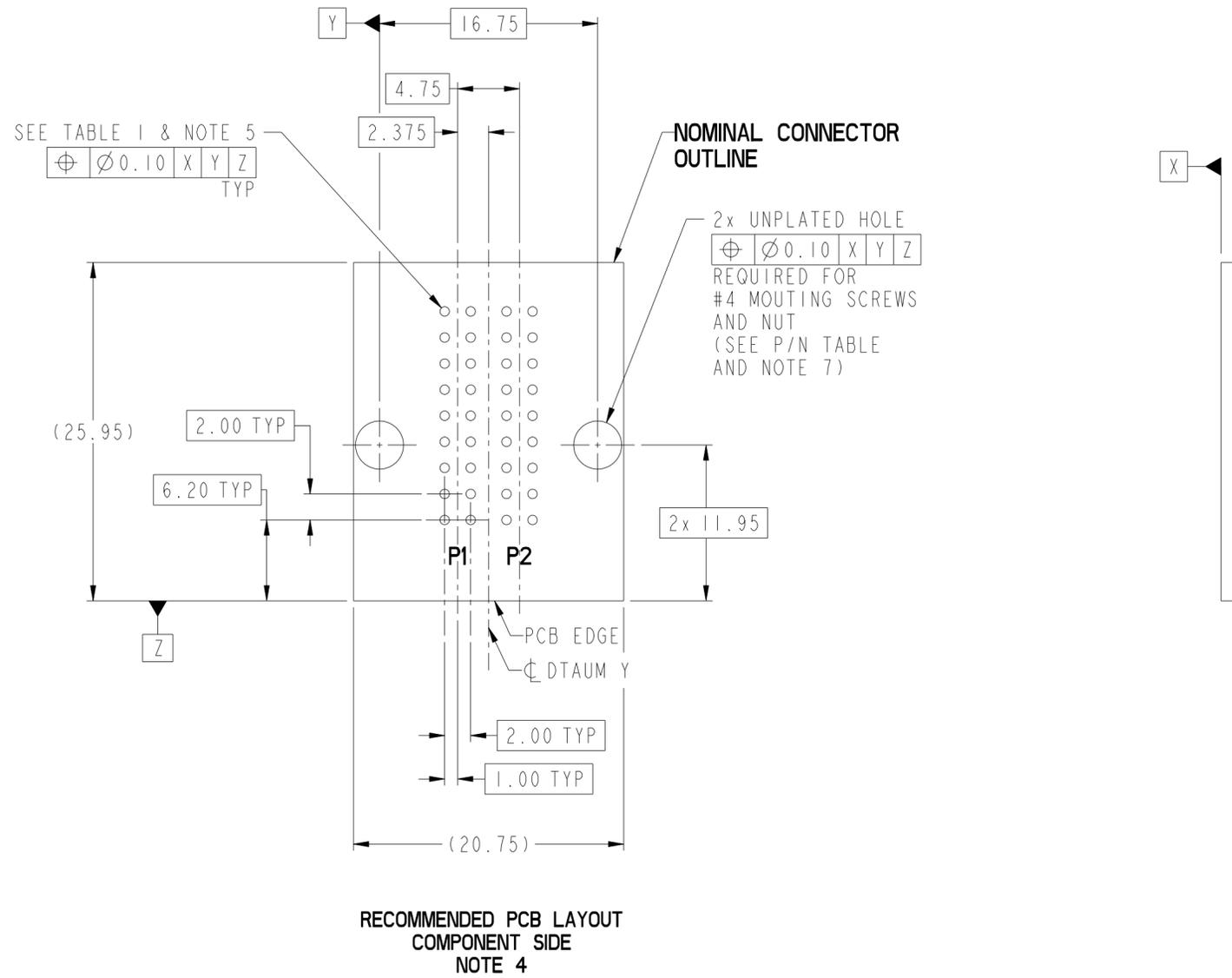
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spec ref	*	dr	De-Ming Lu	2016/01/12	projection	MM	size	A2	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2017/02/22			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Fancy Zhang	2017/02/22			product family	PWRMAX	rel level	Released
surface	linear	0.X	±0.5	Amphenol FCI	2HP WITH GUIDE PIN RIGHT ANGLE PLUG, PRESS-FIT TAILS	cat. no. -	dwg no	10138364	rev	A
		0.XX	±0.25				Product - Customer Drw	sheet 1 of 4		
	angular	0°	±2°							

PDS: Rev :A

STATUS:Released

Printed: Feb 22, 2017



Amphenol FCI

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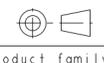
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tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2017/02/22			ecn no	-		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Fancy Zhang	2017/02/22			rel level	Released		
surface	ISO 1302	appr	Pei-Ming Zheng	2017/02/22			product family	PWRMAX	dwg no	10138364
		linear	0.X	±0.5	Amphenol FCI		2HP WITH GUIDE PIN			
			0.XX	±0.25	RIGHT ANGLE PLUG, PRESS-FIT TAILS		cat. no.		-	
		angular	0°	±2°	Product - Customer Drw		sheet 2 of 4			

TOP LAYER DESCRIPTION	TABLE 1 (PWRMAX POWER) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
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
IMMERSION SILVER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	0.15 - 0.65um	0.70 - 0.80
COPPER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	--	0.70 - 0.80
GOLD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.003 - 0.007	FLASH UP TO 0.0002	--	--	0.69 - 0.80

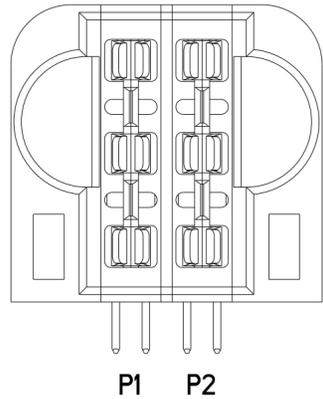
TOP LAYER DESCRIPTION	TABLE 2 (PWRMAX SIGNALS & LOW POWER) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	1.125-1.175	0.025-0.050	0.005-0.015	--	--	--	--	0.94 - 1.10
IMMERSION TIN	1.125-1.175	0.025-0.050	--	--	--	0.9 - 1.5um	--	0.94 - 1.10
IMMERSION SILVER	1.125-1.175	0.025-0.050	--	--	--	--	0.15 - 0.65um	0.94 - 1.10
COPPER	1.125-1.175	0.025-0.050	--	--	--	--	--	0.94 - 1.10
GOLD	1.125-1.175	0.025-0.050	--	0.003 - 0.007	FLASH UP TO 0.0002	--	--	0.93 - 1.10

Amphenol FCI

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spec ref *	dr De-Ming Lu 2016/01/12	projection	MM	size A2	scale 3:1
tolerance std ISO 406 ISO 1101	eng De-Ming Lu 2017/02/22			ecn no -	rel level Released
TOLERANCES UNLESS OTHERWISE SPECIFIED	chr Fancy Zhang 2017/02/22				
	appr Pei-Ming Zheng 2017/02/22				
surface ISO 1302	product family PWRMAX			title 2HP WITH GUIDE PIN RIGHT ANGLE PLUG, PRESS-FIT TAILS	dwg no 10138364 rev A
linear 0.X ±0.5 0.XX ±0.25 0.XXX ±0.100	cat. no. -	Product - Customer Drw		sheet 3 of 4	
angular 0° ±2°	PDS: Rev :A		STATUS:Released		Printed: Feb 22, 2017

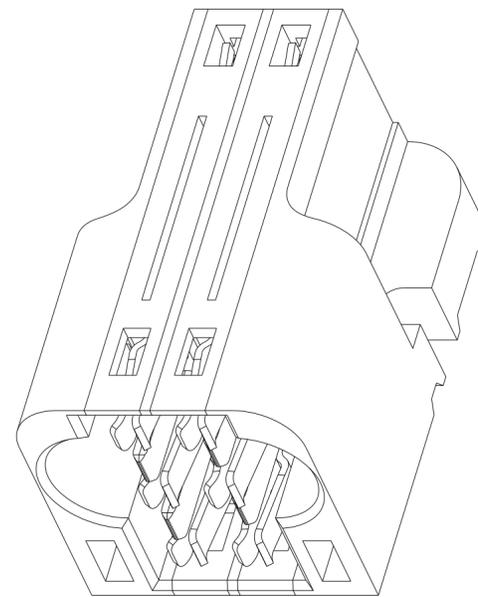
PART NUMBER	#4 SCREW	FIRST MATE (LONG) CONTACT POSN	SECOND MATE (SHORT) CONTACT POSN	TAIL TYPE	TOOLED
10138364-001LF	OPTIONAL	NONE	P1 & P2	PRESS-FIT	YES
10138364-002LF		P1	P2	PRESS-FIT	YES
10138364-003LF		P1 & P2	NONE	PRESS-FIT	YES



CONTACT TYPE	ID#	MATING ORDER	DIM "M"
HIGH POWER (DC)	P1	LONG	8.20
		SHORT	6.93
	P2	LONG	8.20
		SHORT	6.93

NOTES:

- MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC WITH GLASS FIBER, UL94V-0, BLACK.
POWER CONTACTS: HIGH PERFORMANCE COPPER ALLOY
SIGNAL CONTACT: COPPER ALLOY.
- PLATING SPECIFICATION:
POWER CONTACTS CONTACT AREA: GCS OVER NI
SIGNAL CONTACTS CONTACT AREA: GXT OVER NI
TAIL AREA: MATTE SN OVER NI
- 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.
- MINIMUM NOMINAL PCB THICKNESS: 1.6mm
- ALL HOLE SIZES ARE FINISHED HOLE SIZES.
- MOUNTING HOLES ARE UNPLATED.
- SCREW MOUNTING HOLE DIMENSION:
Ø3.683±0.05mm FOR GENERAL NUT.
Ø4.216±0.05mm FOR PEM NUT.
- THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING SOLDER PROCESS.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- PRODUCT SPECIFICATION: GS-12-1314.
APPLICATION SPECIFICATION: GS-20-0447.
PACKAGE IN TRAYS, PER SPECIFICATION: GS-14-2523.



spec ref	*	dr	De-Ming Lu	2016/01/12	projection	MM	size	A2	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2017/02/22			ecn no	-		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Fancy Zhang	2017/02/22			rel level	Released		
surface	linear	appr	Pei-Ming Zheng	2017/02/22			product family	PWRMAX	rel level	Released
	angular				Amphenol FCI	2HP WITH GUIDE PIN	cat. no.	-	Product - Customer Drw	sheet 4 of 4
						RIGHT ANGLE PLUG, PRESS-FIT TAILS	dwg no	10138364	rev	A