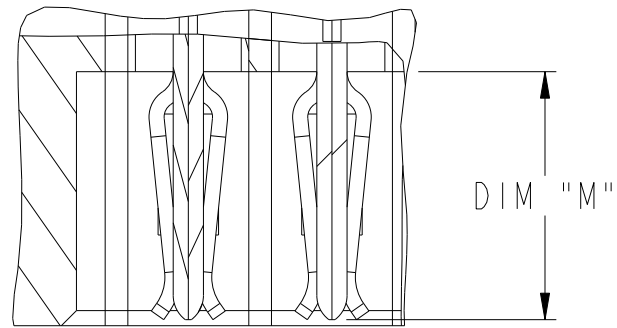
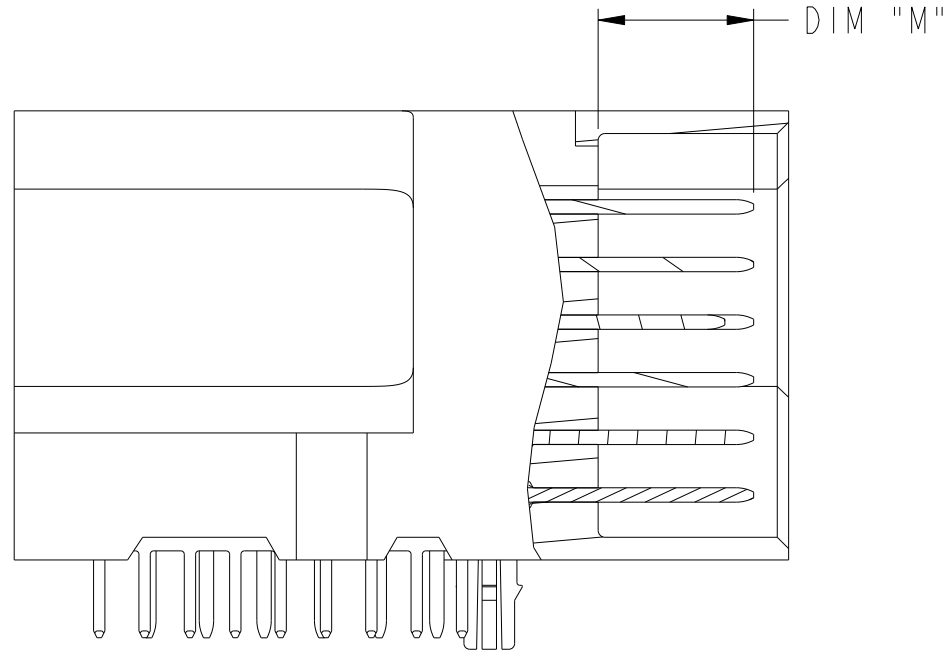


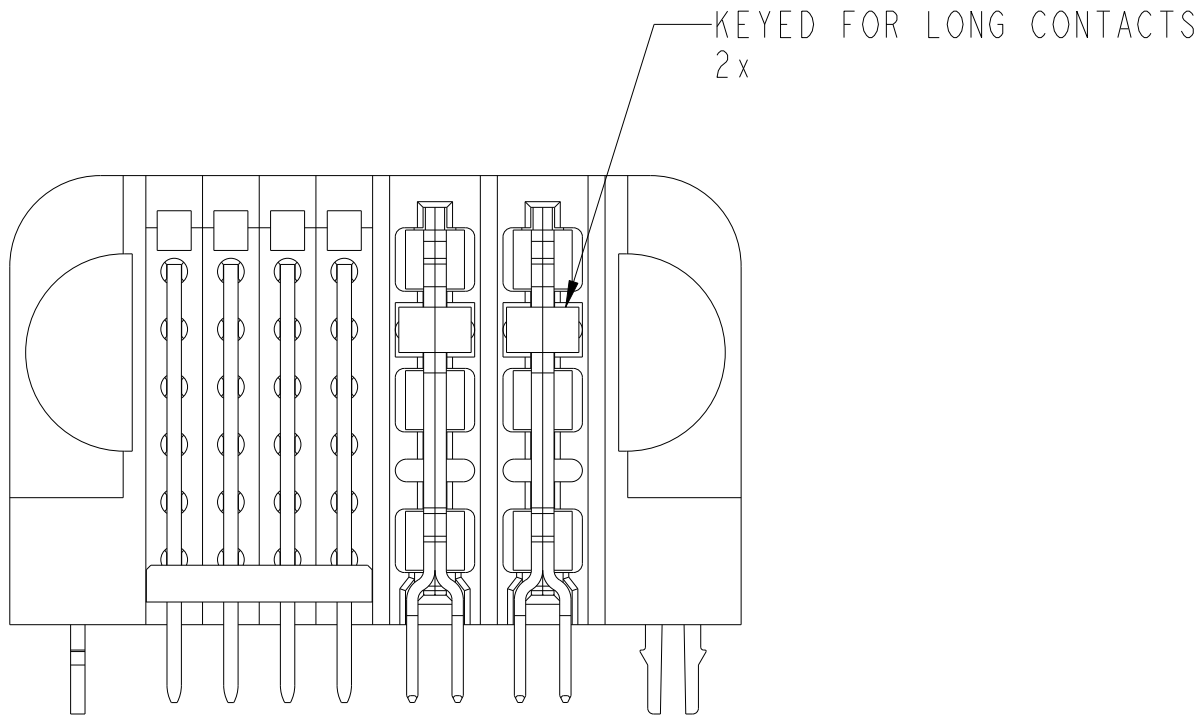
spec ref	*	dr	De-Ming Lu	2015/09/25	projection	MM	size	A2	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2017/02/22	chr	Fancy Zhang	2017/02/22	ecn no	-	
surface	ISO 1302	appr	Pei-Ming Zheng	2017/02/22	product family	PWRMAX	rel level	Released		
linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.100	Amphenol FCi	title	2HP + 24S	dwg no	10137126	rev	A		
angular	0° ±2°	cat. no.	-	Product - Customer Drw	sheet 1 of 6					



DETAIL A
SCALE 4:1
POWER MATING
SEQUENCE

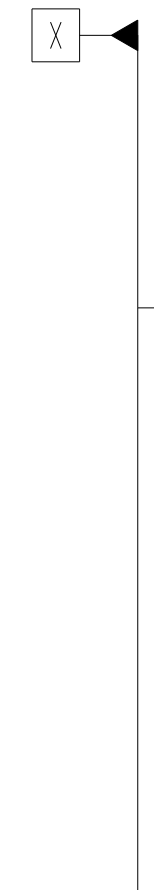


SECTION W-W
SIGNAL MATING
SEQUENCE

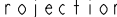



VIEW G-G

spec ref *		dr De-Ming Lu		2015/09/25		<div>projection</div> <div></div> <div>MM</div>	size A2	scale 3:1	
tolerance std		eng De-Ming Lu		2017/02/22			<div>ecn no -</div> <div>rel level Released</div>		
ISO 406		chr Fancy Zhang		2017/02/22					
ISO 1101		appr Pei-Ming Zheng		2017/02/22					
						product family	PWRMAX		
surface		linear	0.X	±0.5		Amphenol FCI	title 2HP + 24S	dwg no 10137126	rev A
ISO 1302			0.XX	±0.25					
			0.XXX	±0.100					
		angular 0°	±2°						
						cat. no. -		Product - Customer Drw	
								sheet 2 of 6	






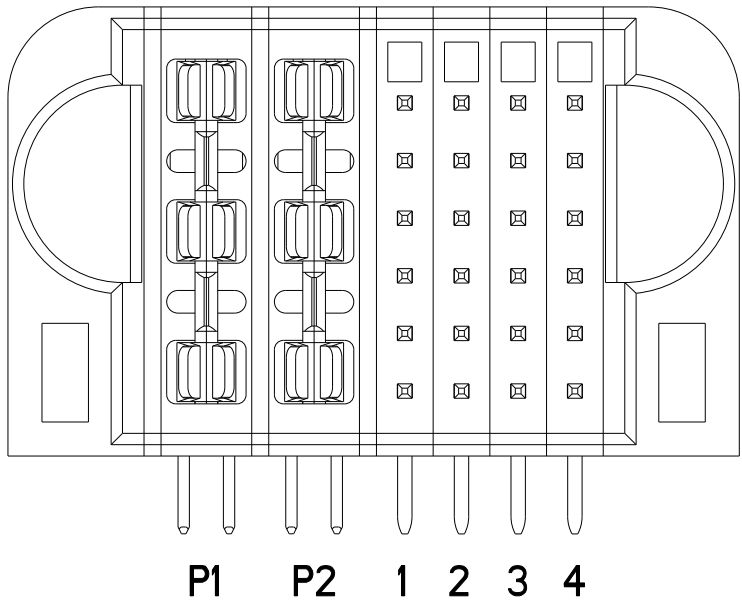
Printed: Feb 22, 2017

spec ref		*		dr		De-Ming Lu		2015/09/25		projection				MM		size		A2		scale		3:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		De-Ming Lu		2017/02/22				ecn no		-		rel level		Released							
ISO 406				chr		Fancy Zhang		2017/02/22																	
ISO 1101				appr		Pei-Ming Zheng		2017/02/22																	
surface		linear		Amphenol FCI		file		2HP + 24S		RIGHT ANGLE PLUG, SOLDER TAILS		dwg no		10137126		rev		A							
																						0.X		±0.5	
																						0.XX		±0.25	
ISO 1302		angular		0°		±2°		cat. no.		-		Product- Customer Drw		sheet 3 of 6											

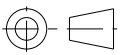
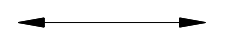

TOP LAYER DESCRIPTION	TABLE 1 (PWRMAX POWER) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	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

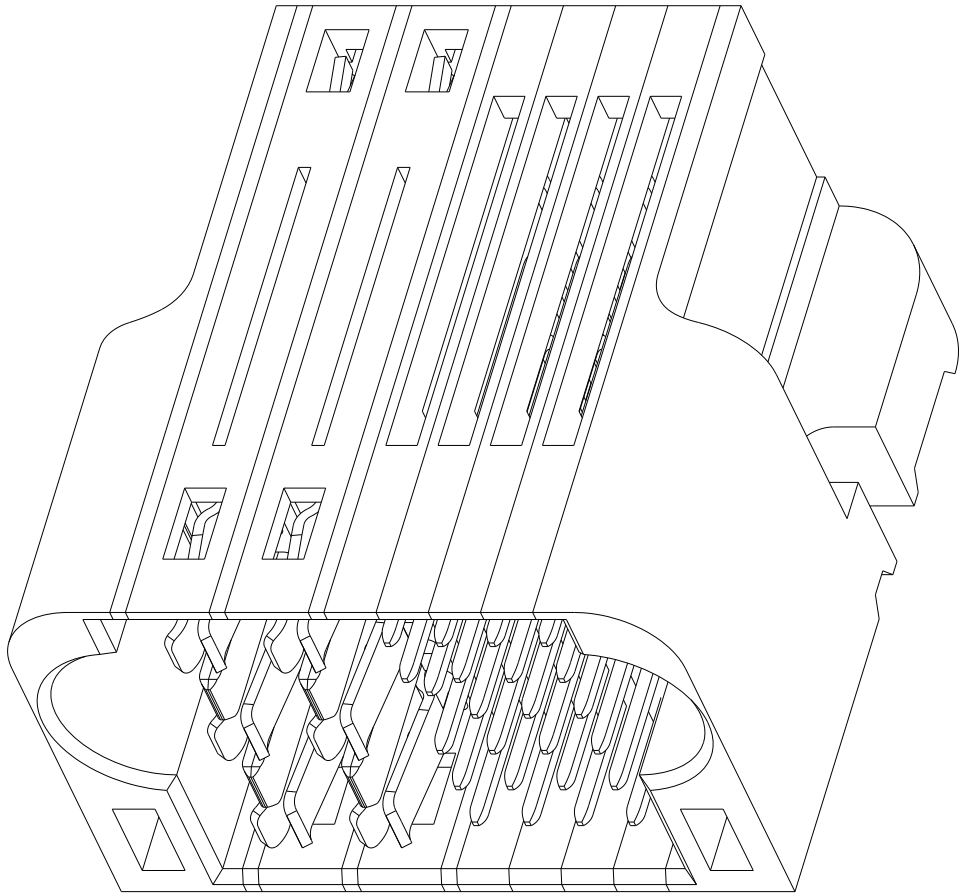
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tolerance std		eng De-Ming Lu		2017/02/22				ecn no		-			
ISO 406 ISO 1101		chr Fancy Zhang		2017/02/22				rel level		Released			
		appr Pei-Ming Zheng		2017/02/22		product family		PWRMAX					
surface  ISO 1302	linear	0.X	±0.5	Amphenol FCI	title	2HP + 24S				dwg no	10137126	rev	A
		0.XX	±0.25										
		0.XXX	±0.100			RIGHT ANGLE PLUG, SOLDER TAILS							
	angular	0°	±2°			cat. no.							



CONTACT TYPE	ID#	MATING ORDER	DIM "M"
HIGH POWER (DC)	P1	LONG	8.20
	P2	LONG	8.20
SIGNAL	1A	LONG	6.86
	1B	LONG	6.86
	1C	LONG	6.86
	1D	LONG	6.86
	1E	LONG	6.86
	1F	LONG	6.86
SIGNAL	2A	LONG	6.86
	2B	LONG	6.86
	2C	LONG	6.86
	2D	LONG	6.86
	2E	LONG	6.86
	2F	LONG	6.86
SIGNAL	3A	LONG	6.86
	3B	LONG	6.86
	3C	LONG	6.86
	3D	LONG	6.86
	3E	LONG	6.86
	3F	LONG	6.86
SIGNAL	4A	LONG	6.86
	4B	LONG	6.86
	4C	LONG	6.86
	4D	LONG	6.86
	4E	LONG	6.86
	4F	LONG	6.86

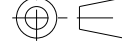


spec ref			*	dr		De-Ming Lu	2015/09/25	projection		MM		size	A2	scale		3:1	
tolerance std			TOLERANCES UNLESS OTHERWISE SPECIFIED	eng		De-Ming Lu	2017/02/22					ecn no		-			
ISO 406				chr		Fancy Zhang	2017/02/22					rel level		Released			
ISO 1101				appr		Pei-Ming Zheng	2017/02/22					product family		PWRMAX			
surface			linear		Amphenol FCi	title		2HP + 24S				dwg no		10137126		rev	A
								RIGHT ANGLE PLUG, SOLDER TAILS									
ISO 1302			angular					cat. no.		-		Product - Customer Drw				sheet 5 of 6	

PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM "T" (TAIL LENGTH)	TAIL TYPE	TOOLED
10137126-001LF	NO	OPTIONAL	3.43	SOLDER TAIL	YES
10137126-002LF	NO		4.70	SOLDER TAIL	NO
10137126-003LF	YES		3.43	SOLDER TAIL	YES
10137126-004LF	YES		4.70	SOLDER TAIL	NO



NOTES:

1. MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC WITH GLASS FIBER, UL94V-0, BLACK.
POWER CONTACTS: HIGH PERFORMANCE COPPER ALLOY
SIGNAL CONTACT: COPPER ALLOY.
2. PLATING SPECIFICATION:
POWER CONTACTS CONTACT AREA: GCS OVER NI
SIGNAL CONTACTS CONTACT AREA: GXT OVER NI
TAIL AREA: MATTE SN OVER NI
- ③. 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.
- ④. MINIMUM NOMINAL PCB THICKNESS: 1.6mm
- ⑤. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
- ⑥. MOUNTING HOLES ARE UNPLATED.
- ⑦. SCREW MOUNTING HOLE DIMENSION:
Ø3.683±0.05mm FOR GENERAL NUT.
Ø4.216±0.05mm FOR PEM NUT.
8. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION.
9. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
10. PRODUCT SPECIFICATION: GS-12-1314.
APPLICATION SPECIFICATION: GS-20-0447.
PACKAGE IN TRAYS, PER SPECIFICATION: GS-14-2523.

spec ref *				dr De-Ming Lu		2015/09/25		projection		MM		size A2		scale 3:1	
tolerance std				eng De-Ming Lu		2017/02/22						ecn no -			
ISO 406				chr Fancy Zhang		2017/02/22						rel level Released			
ISO 1101				appr Pei-Ming Zheng		2017/02/22		product family		PWRMAX					
surface  ISO 1302				linear		0.X ±0.5 0.XX ±0.25 0.XXX ±0.100		Amphenol FCi		title 2HP + 24S RIGHT ANGLE PLUG, SOLDER TAILS		dwg no 10137126		rev A	
angular				0°		±2°		cat. no. -		Product - Customer Drw		sheet 6 of 6			

Mouser Electronics

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