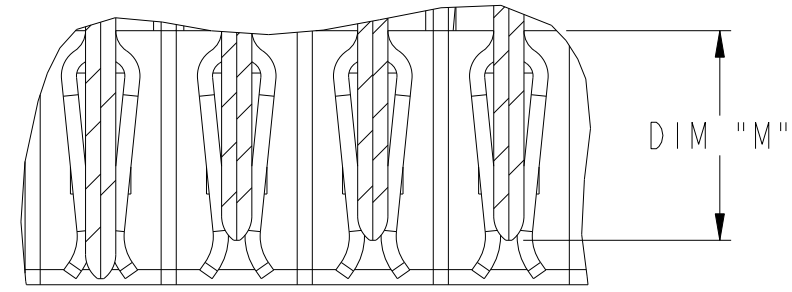


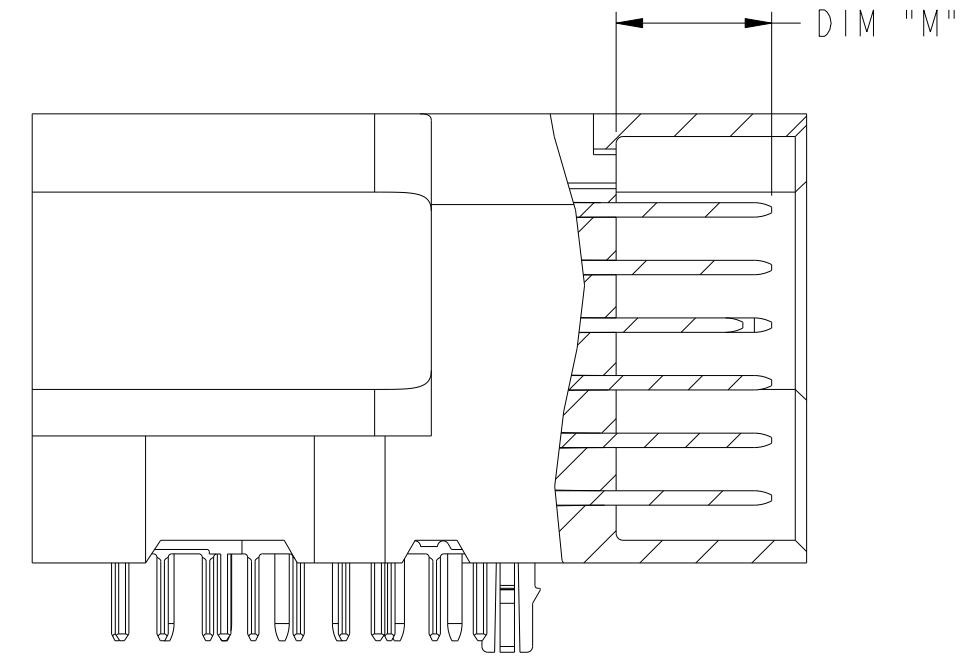
spec ref	*	dr	De-Ming Lu	2015/01/22	projection	MM	size	A2	scale	3:1				
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2016/06/29			ecn no	-	product family PWRMAX	rel level	Preliminary			
surface	ISO 1302	chr	-	linear			0.X ±0.5 0.XX ±0.25 0.XXX ±0.100	angular		0° ±2°	Amphenol FCi	title	4LP + 6HP + 24S RIGHT ANGLE PLUG, SOLDER TAILS	cat. no.
											dwg no	10133137	rev	10

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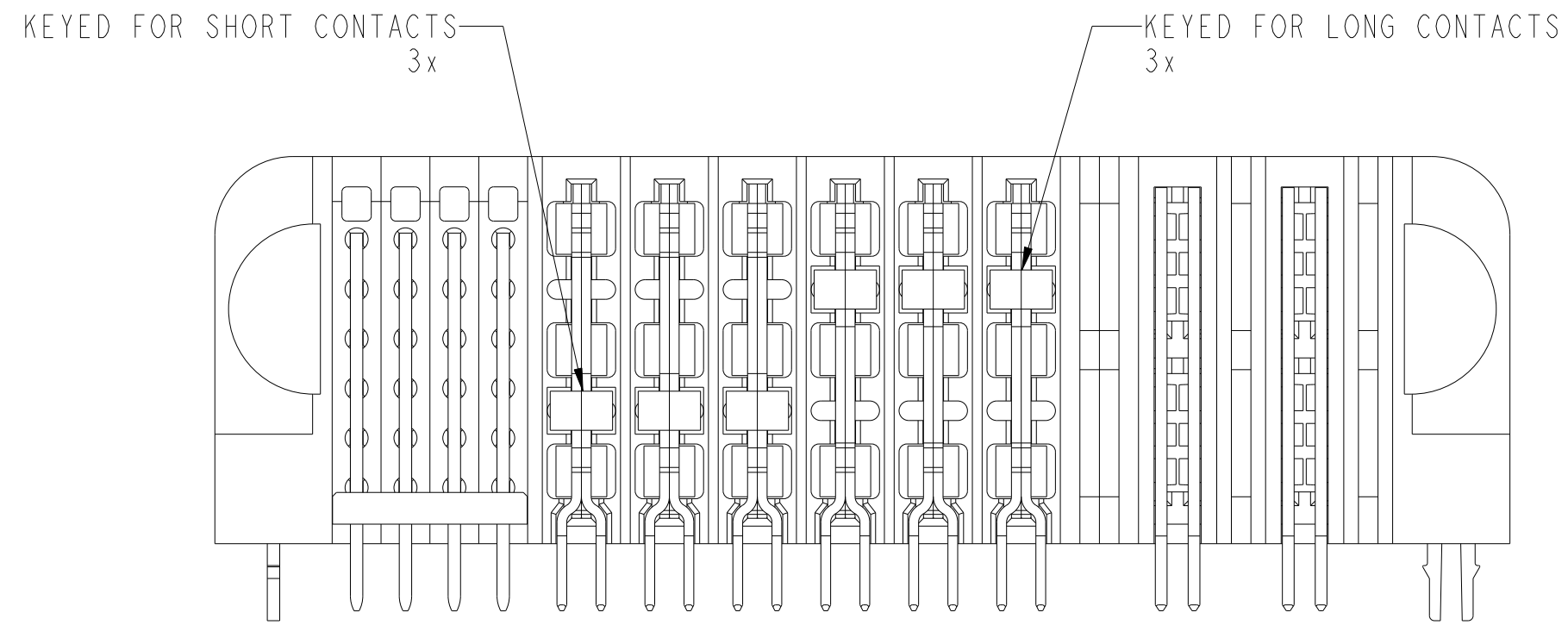
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DETAIL A
SCALE 4:1
 POWER MATING
 SEQUENCE



SECTION W-W
 SIGNAL MATING
 SEQUENCE

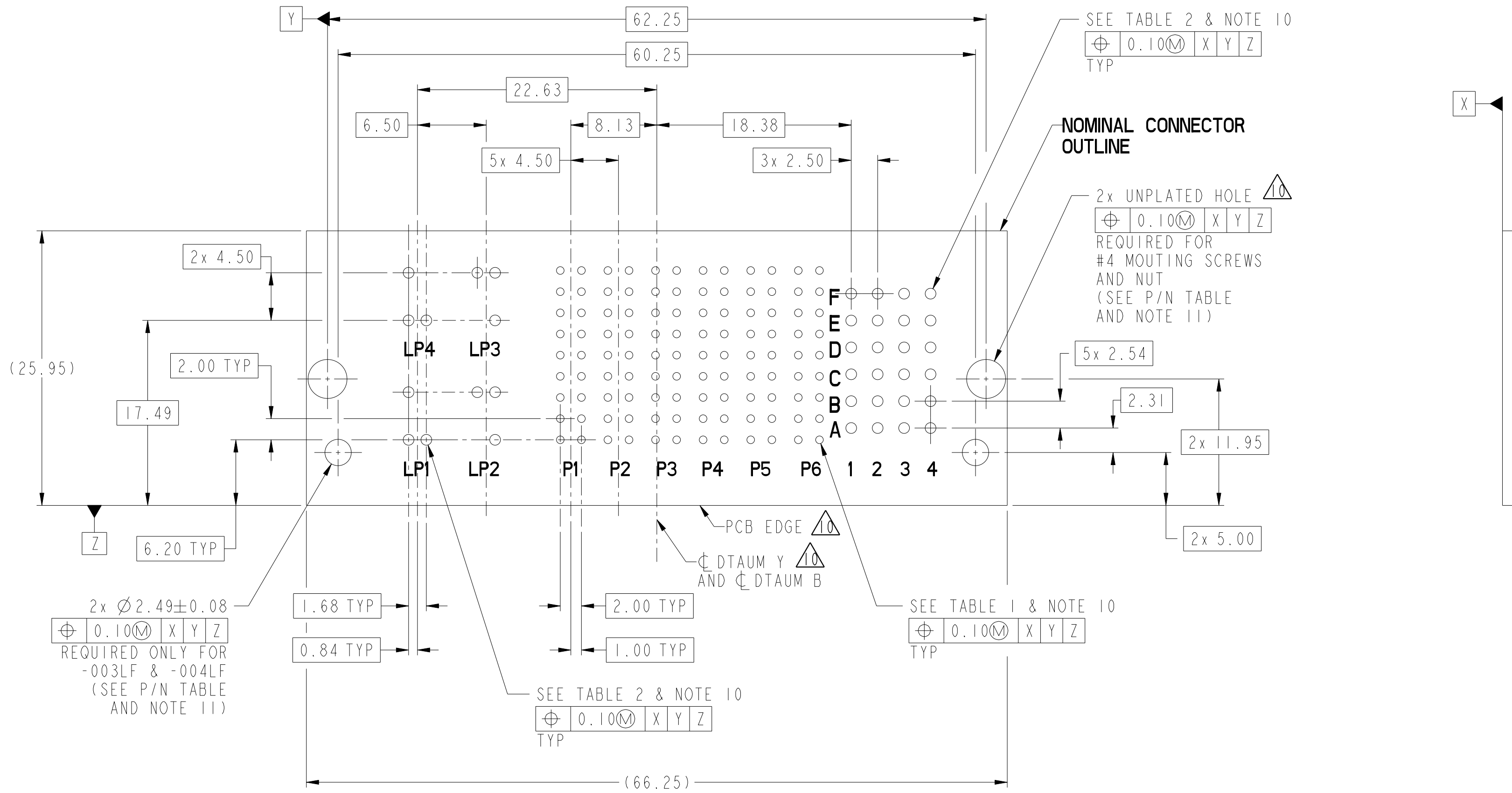


VIEW G-G

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spec ref	*	dr	De-Ming Lu	2015/01/22	projection	MM	size	A2	scale	3:1				
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2016/06/29			ecn no	-	rel level		Preliminary			
surface	ISO 1302	chr	-	-			product family	PWRMAX	rel level	Preliminary				
		appr	-	-	Amphenol FCI			title	4LP + 6HP + 24S RIGHT ANGLE PLUG, SOLDER TAILS		dwg no	10133137	rev	10
					cat. no.	-	Product - Customer Drw			sheet 2 of 6				



RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTE 6

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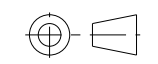
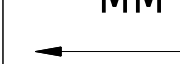
spec ref	*	dr	De-Ming Lu	2015/01/22	projection	MM	size	A2	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2016/06/29		PWRMAX	ecn no	-	rel level	Preliminary
surface	ISO 1302	chr	-	apppr			-	dwg no		10133137
TOLERANCES UNLESS OTHERWISE SPECIFIED linear: 0.X ±0.5, 0.XX ±0.25, 0.XXX ±0.100 angular: 0° ±2°		Amphenol FCI 4LP + 6HP + 24S RIGHT ANGLE PLUG, SOLDER TAILS			Product - Customer Drw		sheet 3 of 6			

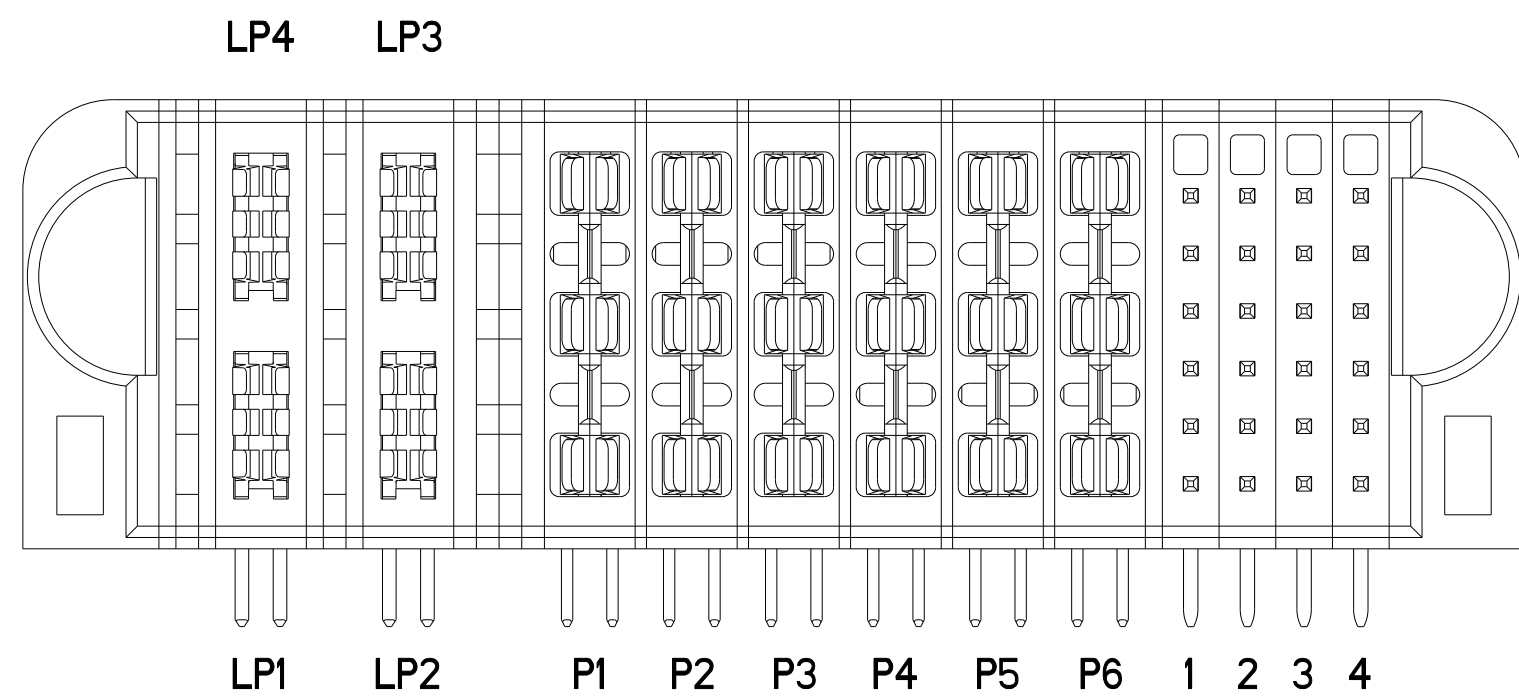
TOP LAYER DESCRIPTION	TABLE 1 (PWRMAX POWER) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	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 (SEE NOTE 9)	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 (SEE NOTE 9)	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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spec ref *	dr De-Ming Lu	2015/01/22	projection	MM	size A2	scale 3:1
tolerance std ISO 406 ISO 1101	eng De-Ming Lu	2016/06/29			ecn no -	rel level Preliminary
TOLERANCES UNLESS OTHERWISE SPECIFIED	chr -	-				
surface	appr -	-	product family PWRMAX	Amphenol FCI	4LP + 6HP + 24S	10133137
ISO 1302	linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.100	RIGHT ANGLE PLUG, SOLDER TAILS	cat. no. -	Product - Customer Drw	rev 10
	angular	0° ±2°			sheet 4 of 6	



CONTACT TYPE	ID#	MATING ORDER	DIM "M"
LOWER POWER (AC)	LP1	DETERMINED BY RECEPTACLE	6.23
	LP2		6.23
	LP3		6.23
	LP4		6.23
HIGH POWER (DC)	P1	LONG	8.20
	P2	LONG	8.20
	P3	LONG	8.20
	P4	SHORT	6.93
	P5	SHORT	6.93
	P6	SHORT	6.93
SIGNAL	1A	LONG	6.86
	1B	LONG	6.86
	1C	LONG	6.86
	1D	SHORT	5.59
	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	SHORT	5.59
	3B	LONG	6.86
	3C	SHORT	5.59
	3D	LONG	6.86
	3E	SHORTEST	4.32
	3F	SHORT	5.59
SIGNAL	4A	SHORT	5.59
	4B	SHORT	5.59
	4C	LONG	6.86
	4D	LONG	6.86
	4E	LONG	6.86
	4F	LONG	6.86


spec ref	*	dr	De-Ming Lu	2015/01/22	projection	MM	size	A2	scale	3:1	
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2016/06/29		PWRMAX	ecn no	-	rel level Preliminary		
surface	linear	0.X	±0.5	Amphenol FCI			4LP + 6HP + 24S RIGHT ANGLE PLUG, SOLDER TAILS	cat. no. -	product family	dwg no 10133137	rev 10
		0.XX	±0.25								
	angular	0°	±2°								

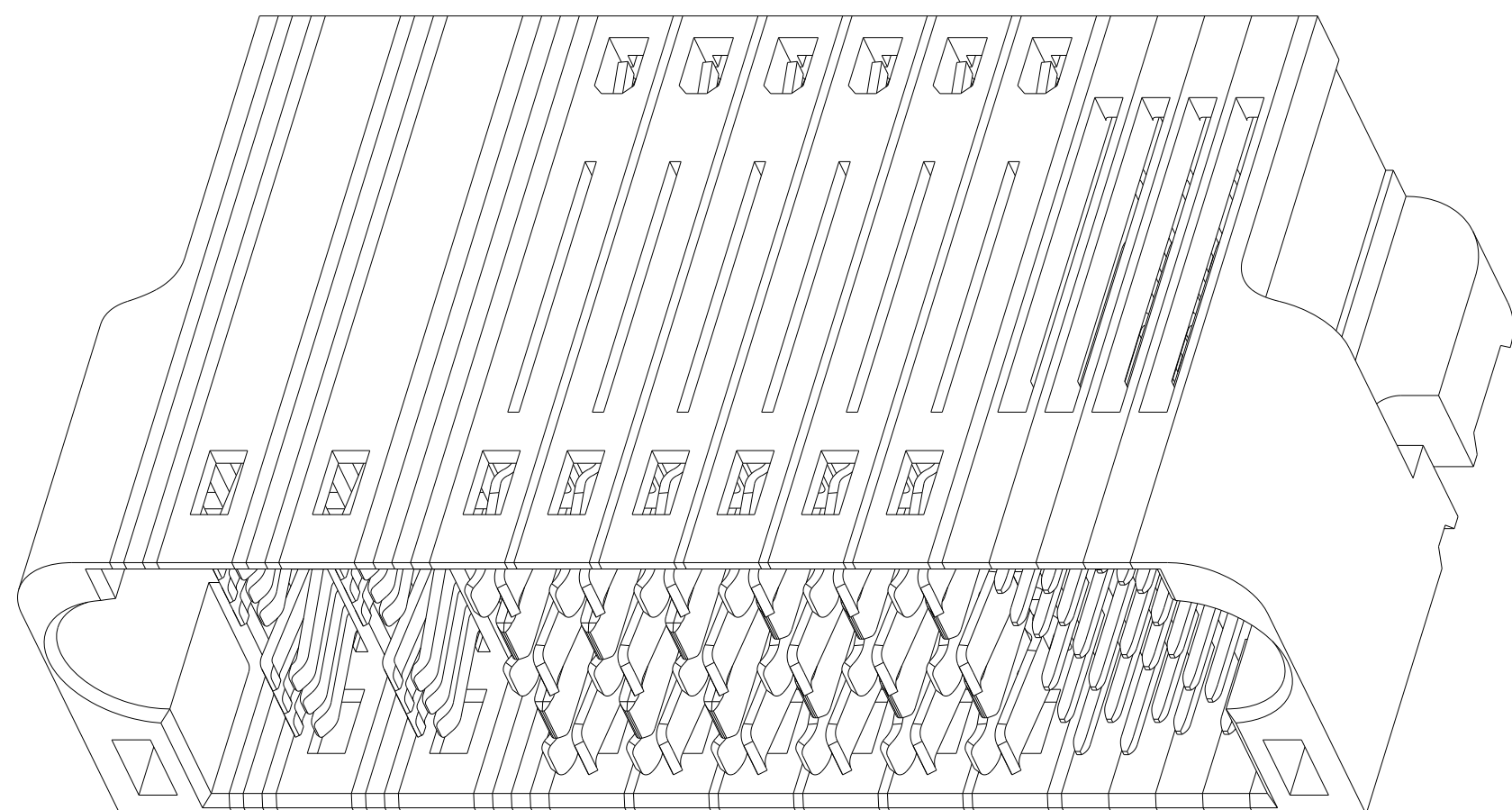
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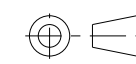
PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM "T" (TAIL LENGTH)	TAIL TYPE	TOOLED
10133137-001LF	NO	OPTIONAL	3.43	SOLDER TAIL	YES
10133137-002LF	NO		4.70	SOLDER TAIL	NO
10133137-003LF	YES		3.43	SOLDER TAIL	YES
10133137-004LF	YES		4.70	SOLDER TAIL	NO

NOTES:

- CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY
- CONTACT FINISH (Ref to GS-12-1314 SECTION 5.2)
- PRODUCT SPECIFICATION: GS-12-1314.
- APPLICATION SPECIFICATION: GS-20-0447.
- MANUFACTURER'S NAME, DATE CODE AND OPTIONAL P/N TO APPEAR ON THIS SURFACE. THE P/N CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.
- MINIMUM NOMINAL PCB THICKNESS: 1.6mm
- PACKAGED IN TRAYS.
- HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
- ALL HOLE SIZES ARE FINISHED HOLE SIZES.
- MOUNTING HOLES ARE UNPLATED.
Ø 3.683±0.05mm FOR GENERAL NUT.
Ø 4.216±0.05mm FOR PEM NUT.
- A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



Amphenol FCI

spec ref *	dr De-Ming Lu 2015/01/22	projection	MM	size A2	scale 3:1
tolerance std ISO 406 ISO 1101	eng De-Ming Lu 2016/06/29	chr -		ecn no -	rel level Preliminary
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr -		product family PWRMAX	
surface -	linear 0.X ±0.5 0.XX ±0.25 0.XXX ±0.100	Amphenol FCI	4LP + 6HP + 24S	dwg no 10133137	rev 10
ISO 1302	angular 0° ±2°	RIGHT ANGLE PLUG, SOLDER TAILS	cat. no. -	Product - Customer Drw	sheet 6 of 6