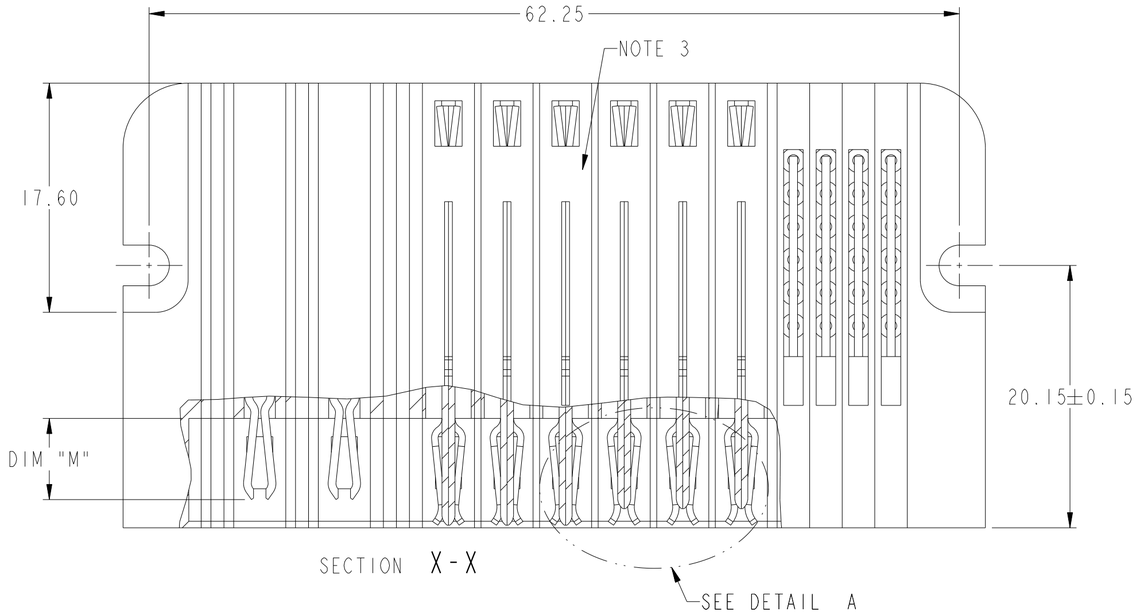
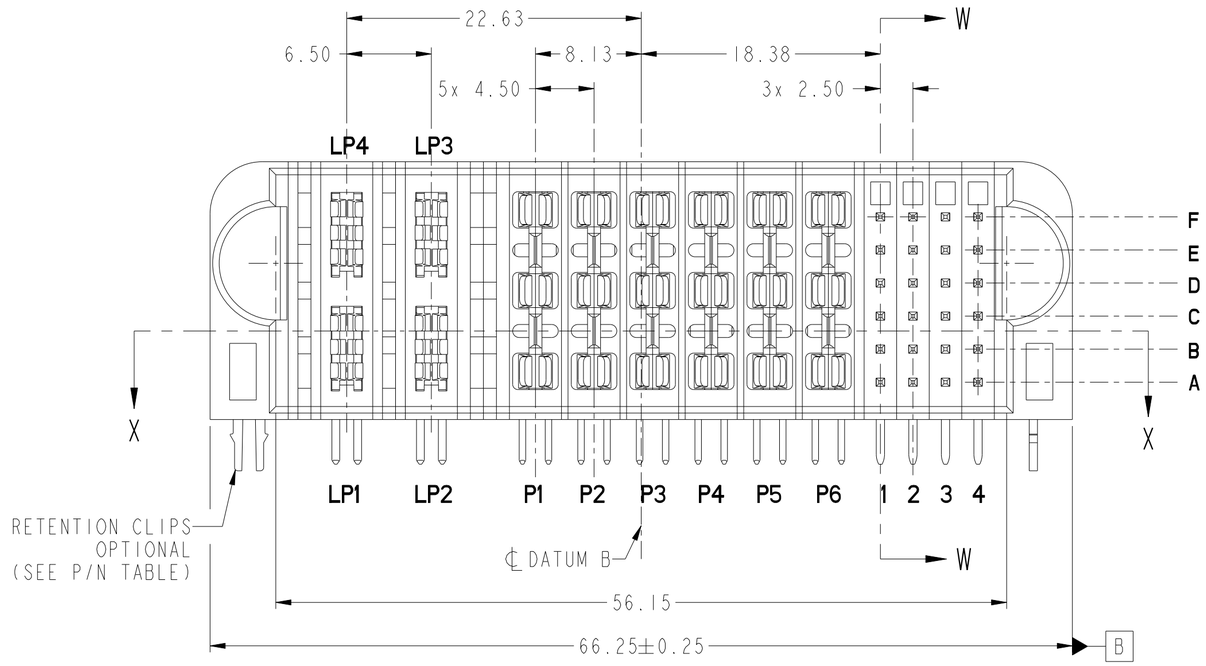
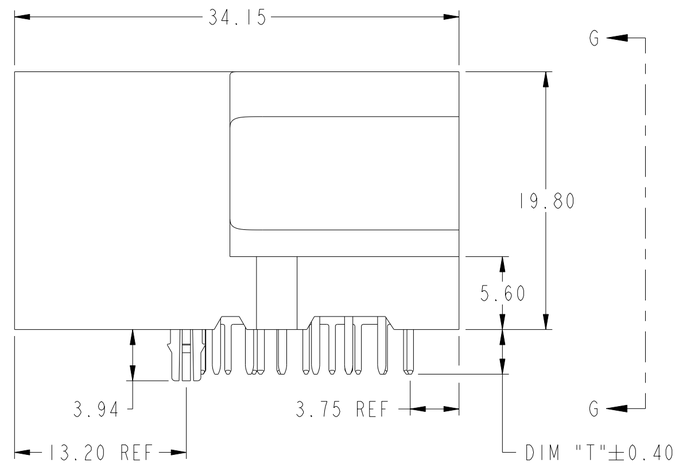






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spec ref	*		dr	De-Ming Lu	2015/01/22	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	De-Ming Lu	2017/02/22		
			chr	Fancy Zhang	2017/02/22		
			appr	Pei-Ming Zheng	2017/02/22	product family	PWRMAX
surface - ISO 1302	linear	0.X ±0.5	Amphenol FCi	title	4LP + 6HP + 24S RIGHT ANGLE PLUG, SOLDER TAILS		
		0.XX ±0.25					
		0.XXX ±0.100					
	angular	0° ±2°		cat. no.	-	Product - Customer Drw	

size A2	scale 3:1	dwg no 10133137	rev A		
ecn no -					
rel level Released					
				sheet 1 of 6	

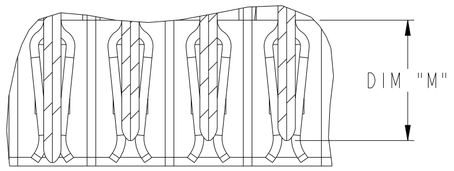
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PDS: Rev :A

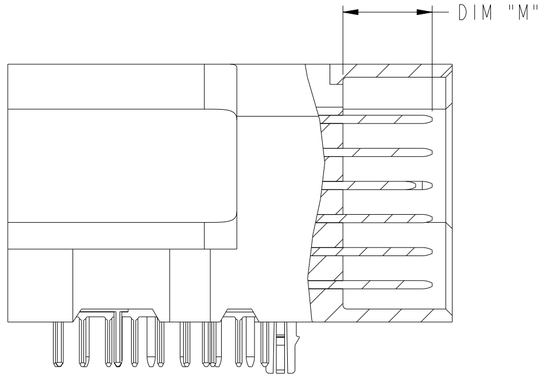
STATUS: Released

Printed: Feb 22, 2017

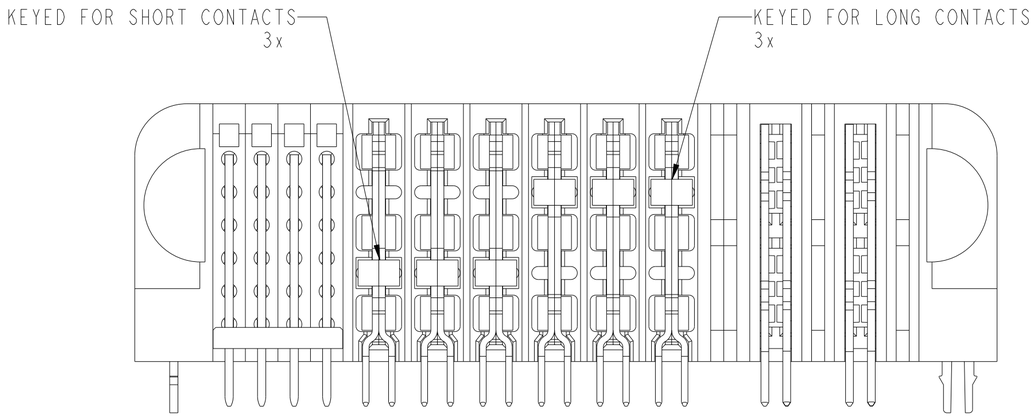
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DETAIL A
SCALE 4:1
POWER MATING
SEQUENCE



SECTION W-W
SIGNAL MATING
SEQUENCE



VIEW G-G

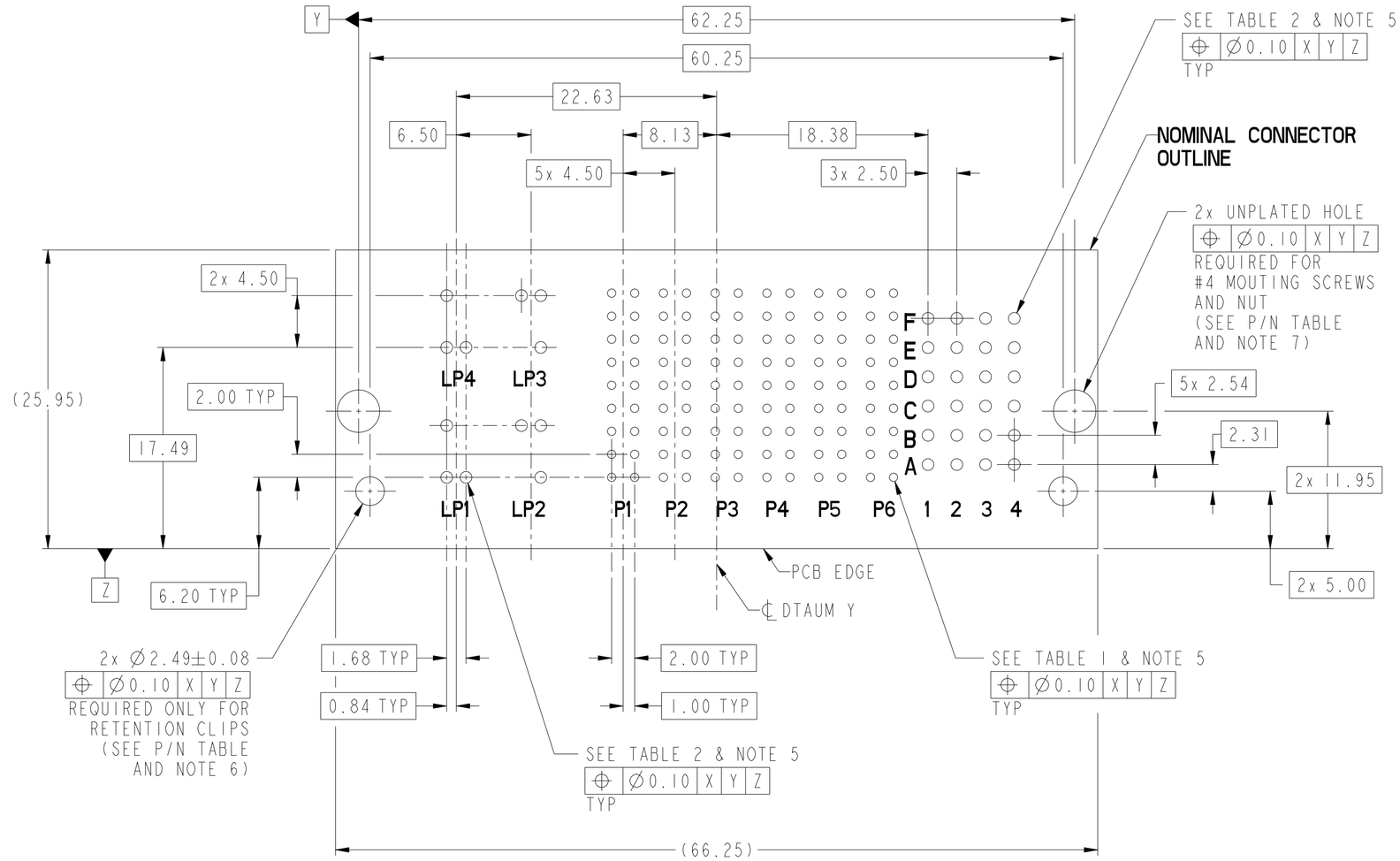
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spec ref	*		dr	De-Ming Lu	2015/01/22	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	De-Ming Lu	2017/02/22		
			chr	Fancy Zhang	2017/02/22		
			appr	Pei-Ming Zheng	2017/02/22	product family	PWRMAX
surface ISO 1302	linear	0.X ±0.5	Amphenol FCi	title	4LP + 6HP + 24S	dwg no	10133137
		0.XX ±0.25			RIGHT ANGLE PLUG, SOLDER TAILS		rev A
		0.XXX ±0.100					
	angular	0° ±2°		cat. no.	-	Product - Customer Drw	sheet 2 of 6

size A2	scale 3:1	size A2	scale 3:1	
ecn no -		ecn no -		
rel level Released		rel level Released		

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RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTE 4

spec ref	*		dr	De-Ming Lu	2015/01/22	projection	MM	size A2 / scale 3:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	De-Ming Lu	2017/02/22			ecn no -
			chr	Fancy Zhang	2017/02/22			
			appr	Pei-Ming Zheng	2017/02/22	product family	PWRMAX	rel level Released
surface -	linear	0.X ±0.5	Amphenol FCi	title	4LP + 6HP + 24S			rev A
ISO 1302		0.XX ±0.25			RIGHT ANGLE PLUG, SOLDER TAILS			
		0.XXX ±0.100				dwg no	10133137	
	angular	0° ±2°		cat. no.	-	Product - Customer Drw		sheet 3 of 6

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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

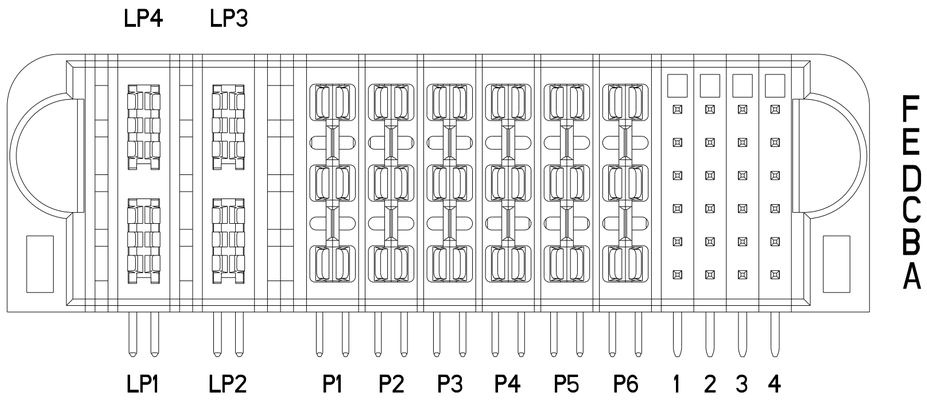
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spec ref	*			dr	De-Ming Lu	2015/01/22	projection	MM	size A2	scale 3:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	De-Ming Lu	2017/02/22			ecn no -	
				chr	Fancy Zhang	2017/02/22				
				appr	Pei-Ming Zheng	2017/02/22	product family	PWRMAX	rel level Released	
surface - ISO 1302	linear	0.X	±0.5	Amphenol FCi	title	4LP + 6HP + 24S RIGHT ANGLE PLUG, SOLDER TAILS			dwg no 10133137	rev A
		0.XX	±0.25							
		0.XXX	±0.100							
	angular	0°	±2°		cat. no.	-	Product - Customer Drw		sheet 4 of 6	

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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

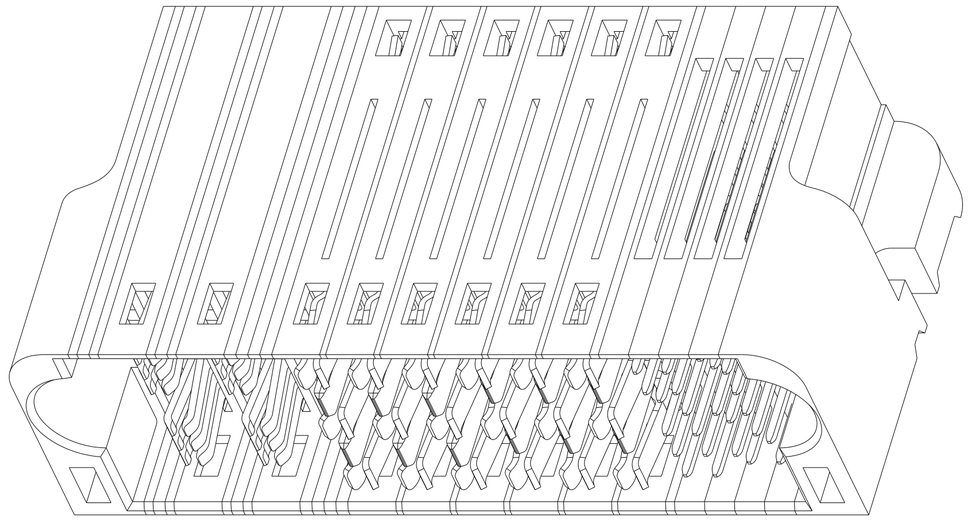
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spec ref	*		dr	De-Ming Lu	2015/01/22	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	De-Ming Lu	2017/02/22		
			chr	Fancy Zhang	2017/02/22		
			appr	Pei-Ming Zheng	2017/02/22	product family	PWRMAX
surface - ISO 1302	linear	0.X ±0.5	Amphenol FCi	title	4LP + 6HP + 24S	dwg no	10133137
		0.XX ±0.25			RIGHT ANGLE PLUG, SOLDER TAILS		
		0.XXX ±0.100					
	angular	0° ±2°		cat. no.	-	Product - Customer Drw	

size	scale
A2	3:1
ecn no	-
rel level	Released
rev	A
sheet 5 of 6	

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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
10133137-003LF	YES		3.43	SOLDER TAIL	YES
10133137-005LF	NO		2.50	SOLDER TAIL	YES
10133137-006LF	YES		2.50	SOLDER TAIL	YES



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 EUROPEN 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.

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spec ref	*		dr	De-Ming Lu	2015/01/22	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	De-Ming Lu	2017/02/22		
			chr	Fancy Zhang	2017/02/22		
			appr	Pei-Ming Zheng	2017/02/22	product family	PWRMAX
surface - ISO 1302	linear	0.X ±0.5	Amphenol FCi	title	4LP + 6HP + 24S RIGHT ANGLE PLUG, SOLDER TAILS	dwg no	10133137
		0.XX ±0.25					rev A
		0.XXX ±0.100					
	angular	0° ±2°		cat. no.	-	Product - Customer Drw	

size A2 | scale 3:1 | ecn no - | rel level Released | sheet 6 of 6

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