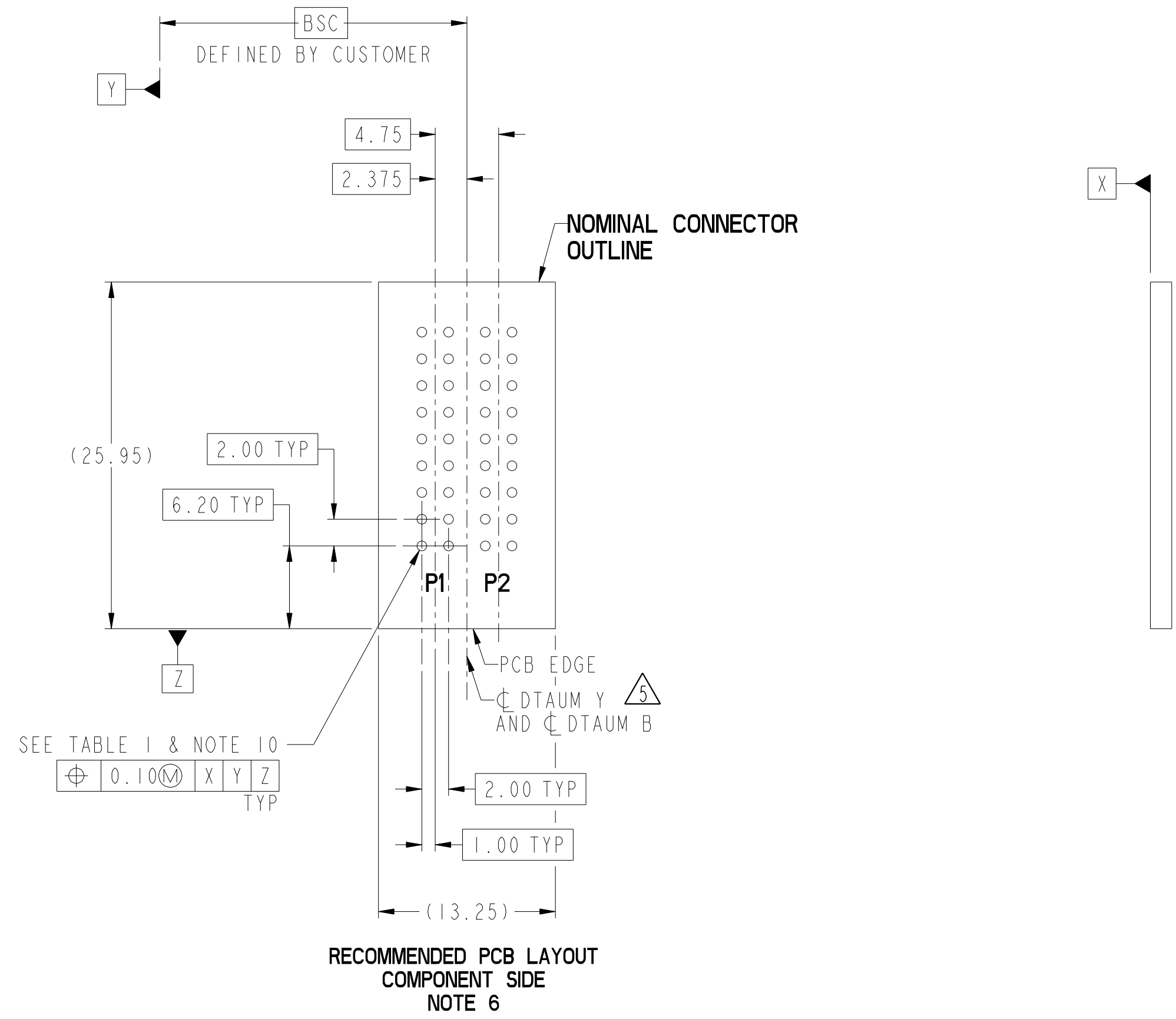


spec ref	*	dr	De-Ming Lu	2015/08/28	projection	MM	size	A2	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2016/06/29			ecn no	-	rel level	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			-	product family	PWRMAX	Preliminary
surface	linear	0.X	±0.5	Amphenol FCI	2P W/O GUIDE PIN		dwg no 10136689	rev 5	cat. no. - Product - Customer Drw sheet 1 of 4	
		0.XX	±0.25		RIGHT ANGLE PLUG, PRESS-FIT TAILS					
	angular	0°	±2°							

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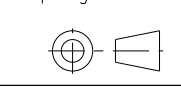

spec ref	*	dr	De-Ming Lu	2015/08/28	projection	MM	size	A2	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2016/06/29			ecn no	-	rel level	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			rel level	Preliminary		
surface	linear	0.X	±0.5	Amphenol FCI	product family	PWRMAX	dwg no	10136689	rev	5
		0.XX	±0.25		RIGHT ANGLE PLUG, PRESS-FIT TAILS	cat. no.	-	Product - Customer Drw	sheet 2 of 4	
	angular	0°	±2°							

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

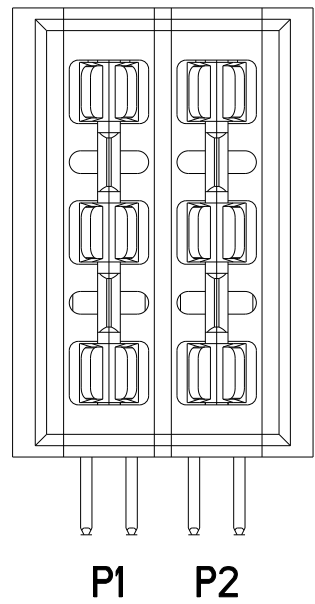
TOP LAYER DESCRIPTION	TABLE 2 (PWRMAX SIGNALS & LOW POWER) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	1.125-1.175	0.025-0.050	0.005-0.015	--	--	--	--	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	2015/08/28	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	cat. no.	-
ISO 1302	linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.100	Amphenol FCI	2P W/O GUIDE PIN	dwg no	10136689
	angular	0° ±2°		RIGHT ANGLE PLUG, PRESS-FIT TAILS	rev	5
				Product - Customer Drw	sheet 3 of 4	

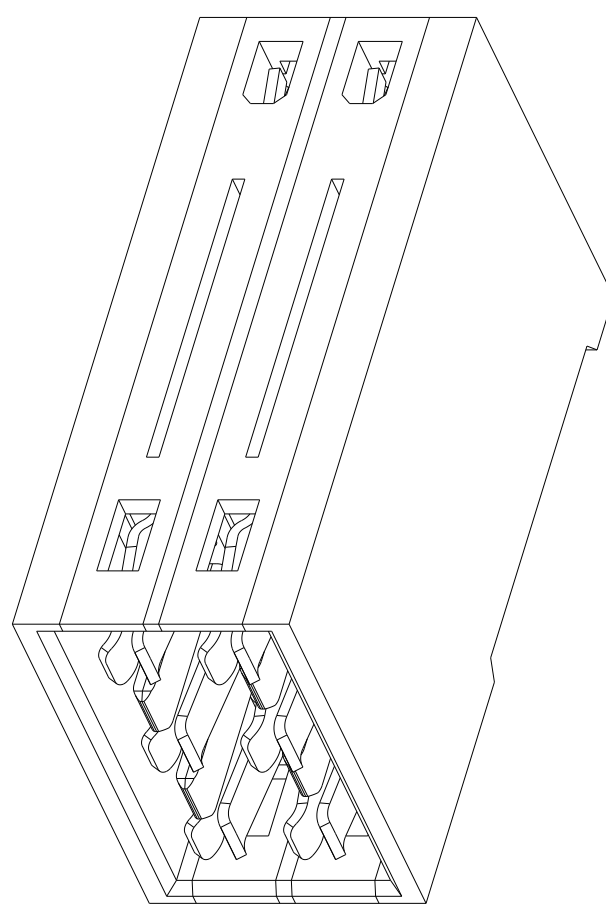
PART NUMBER	FIRST MATE (LONG) CONTACT POSN	SECOND MATE (SHORT) CONTACT POSN	TAIL TYPE	△TOOLED
10136689-001LF	NONE	P1 & P2	PRESS-FIT	YES
10136689-002LF	P1	P2		
10136689-003LF	P1 & P2	NONE		



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:

- 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.
- A △5 SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



spec ref *	dr De-Ming Lu 2015/08/28	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	angular 0° ±2°	Amphenol FCI	2P W/O GUIDE PIN	10136689
ISO 1302	RIGHT ANGLE PLUG, PRESS-FIT TAILS		cat. no. -	Product - Customer Drw	rev 5

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