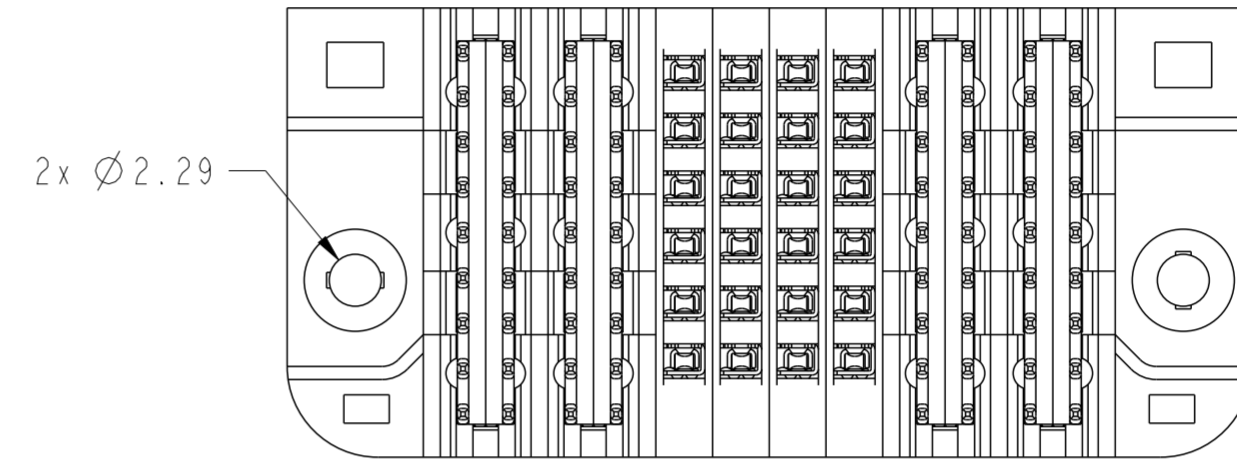
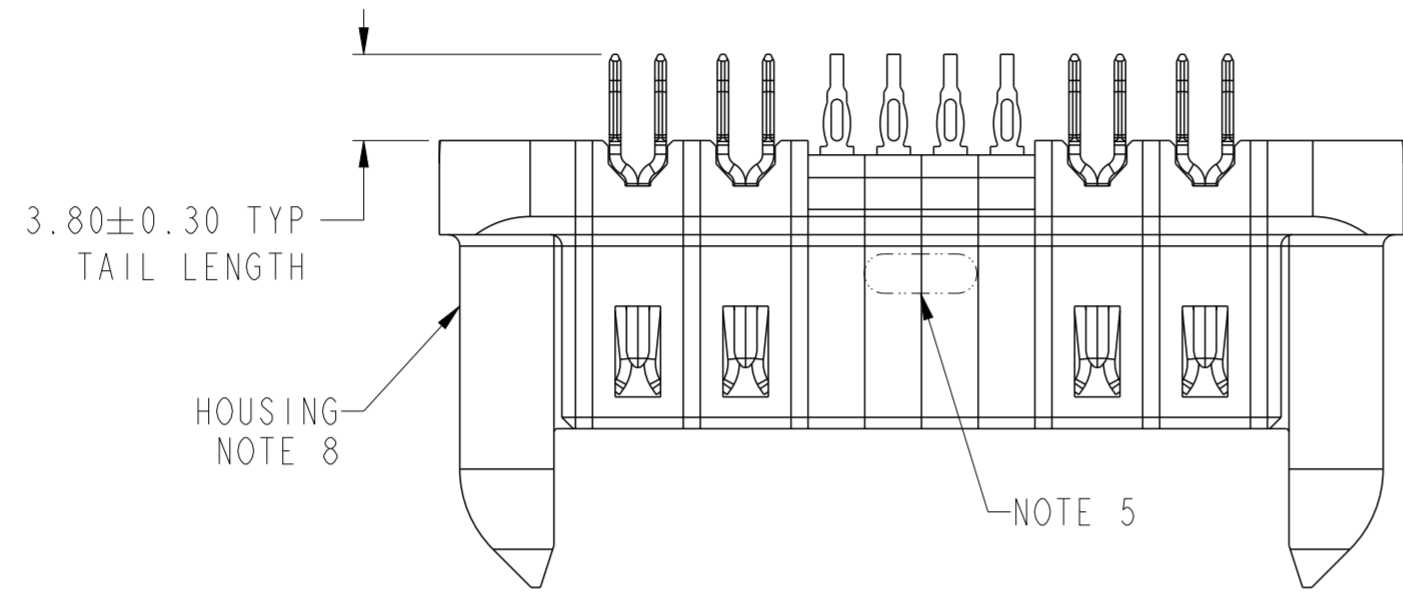
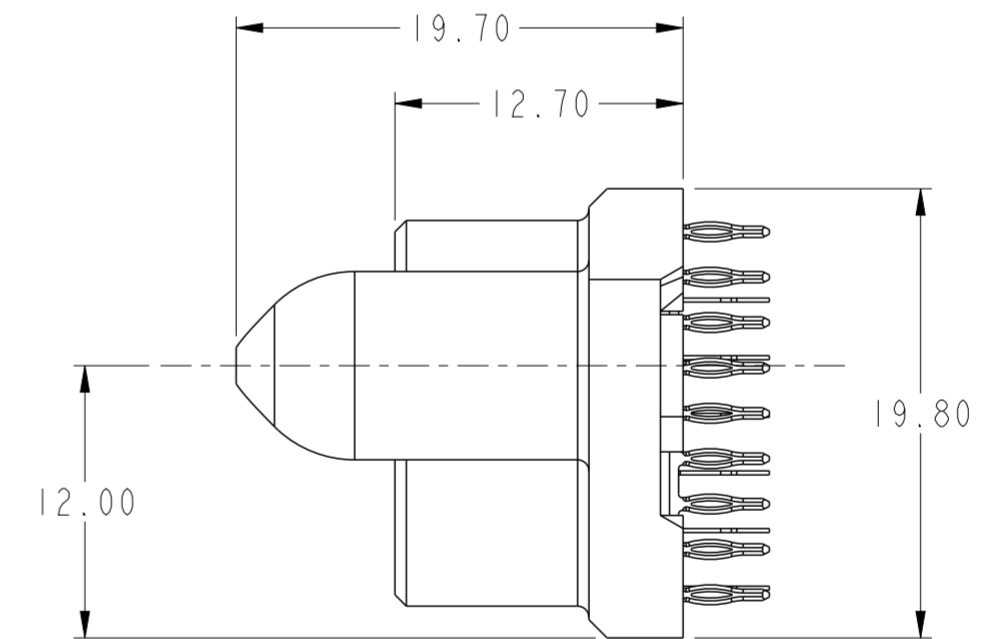
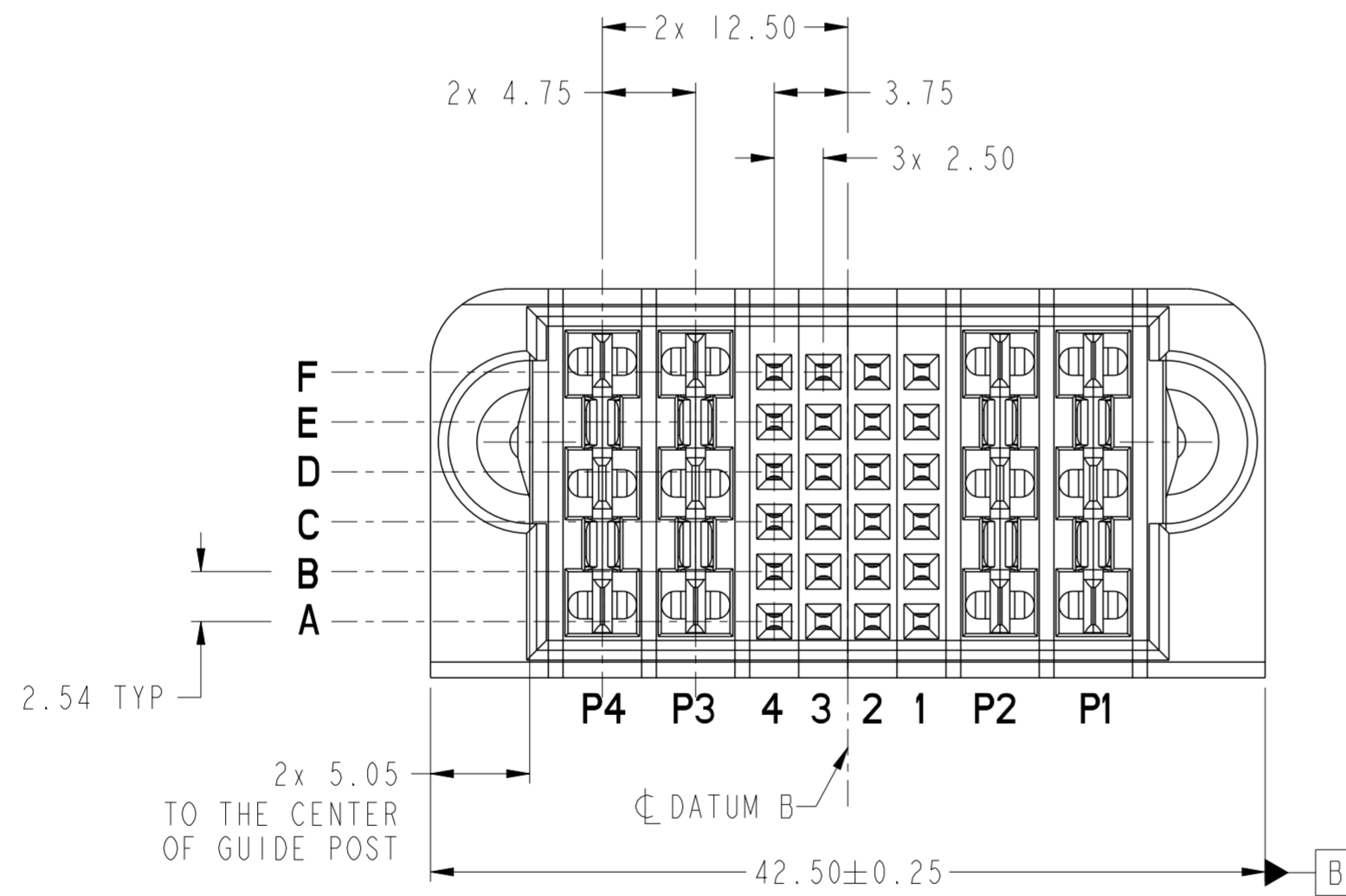


BOTTOM

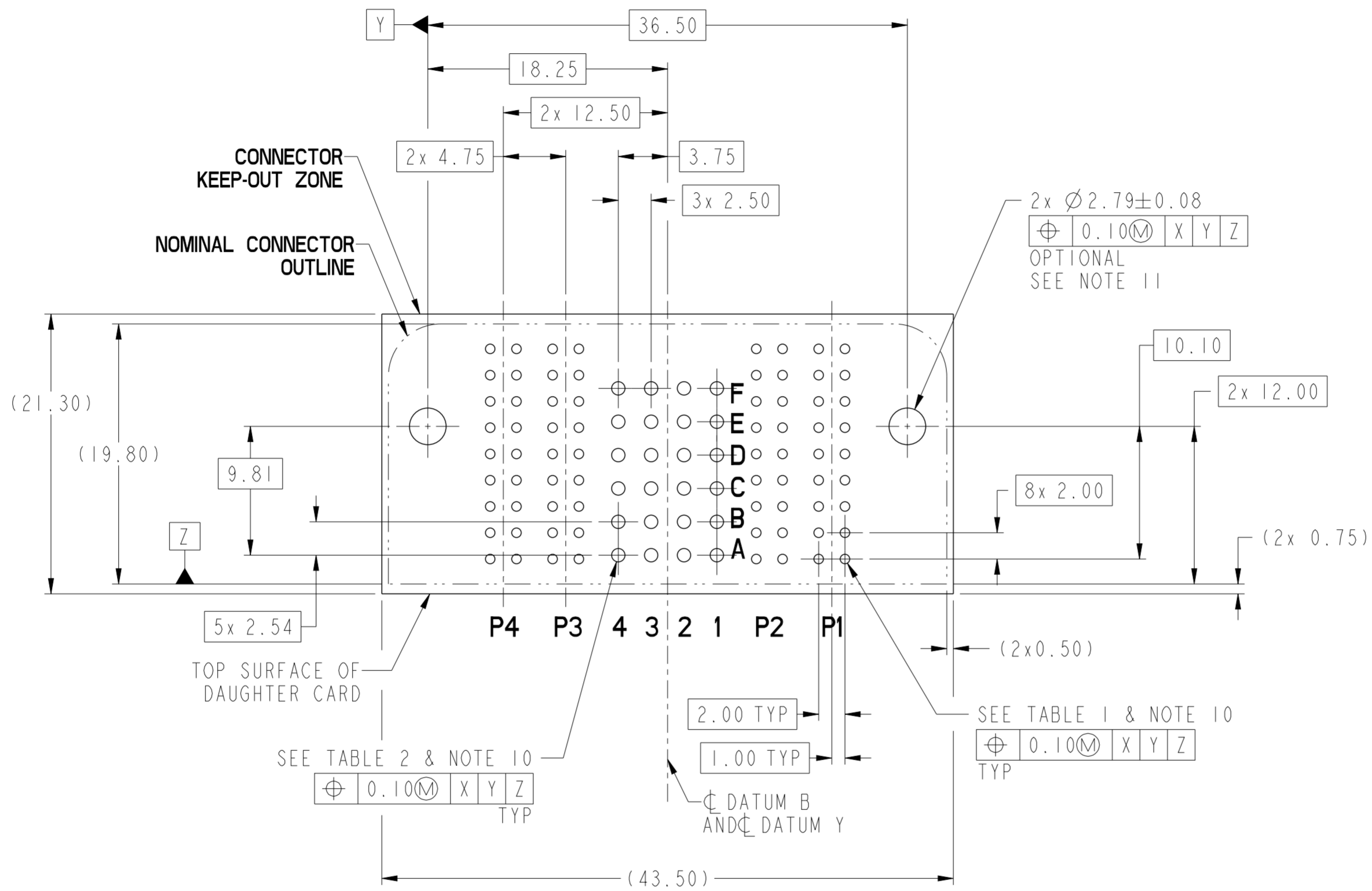
BOTTOM



BOTTOM VIEW



spec ref	*	dr	De-Ming Lu	2015/05/05	projection	MM	size	A2	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2016/07/07			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Martin Li	2016/07/07						
surface	ISO 1302	appr	Pei-Ming Zheng	2016/07/07	product family	PWRMAX	rel level	Released	rev	A
linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.100	Amphenol FCi	2HP + 24S + 2HP VERTICAL PRESS-FIT RECEPTACLE		cat. no.	-	Product - Customer Drw	sheet 1 of 4		
angular	0° ±2°									



RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTE 6

Amphenol
FCi

© 2016 AFci

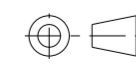
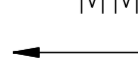
spec ref	*	dr	De-Ming Lu	2015/05/05	projection	MM	size	A2	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2016/07/07			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Martin Li	2016/07/07						
surface	ISO 1302	appr	Pei-Ming Zheng	2016/07/07	product family	PWRMAX	rel level	Released	cat. no.	-
linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.100	Amphenol FCi	2HP + 24S + 2HP VERTICAL PRESS-FIT RECEPTACLE		cat. no.	-	Product - Customer Drw	sheet 2 of 4	rev	A
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

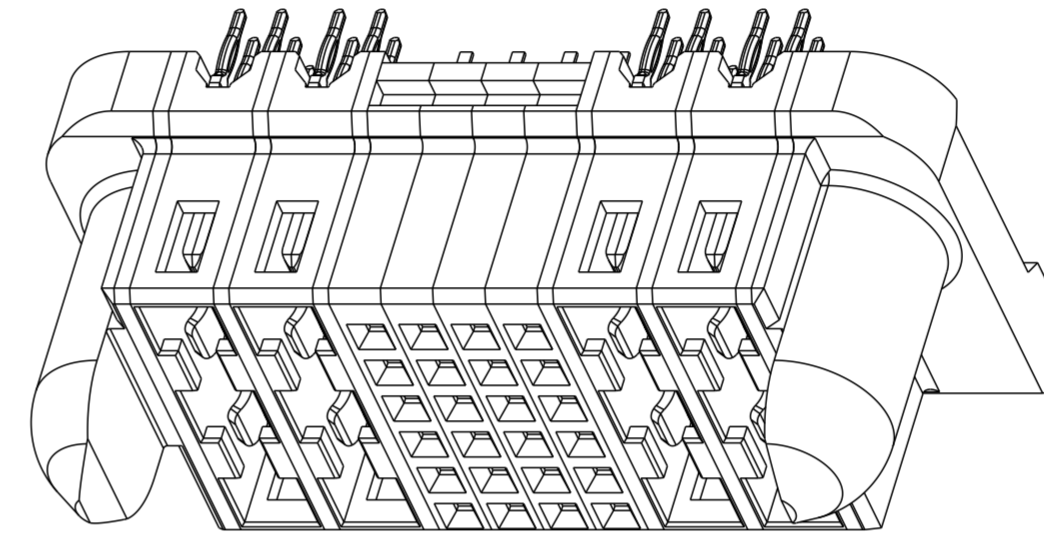
TOP LAYER DESCRIPTION	TABLE 2 (PWRMAX SIGNALS & LOW POWER) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	1.125-1.175	0.025-0.050	0.005-0.015	--	--	--	--	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

Amphenol FCI

© 2016 APCI

spec ref	*	dr	De-Ming Lu	2015/05/05	projection	MM	size	A2	scale	3:1	
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2016/07/07			ecn no	-	rel level		Released
surface	TOLERANCES UNLESS OTHERWISE SPECIFIED linear: 0.X ±0.5 0.XX ±0.25 0.XXX ±0.100 angular: 0° ±2°	chr	Martin Li	2016/07/07			product family	PWRMAX	rel level	Released	
		appr	Pai-Ming Zheng	2016/07/07			Amphenol FCI	2HP + 24S + 2HP	cat. no.	-	Product - Customer Drw
ISO 1302		title	VERTICAL PRESS-FIT RECEPTACLE			div no	10135066	rev	A		

PART NUMBER	M2.5 SCREW NOTE 11	TAIL TYPE
10135066-001LF	OPTIONAL	PRESS-FIT



NOTES:

1. CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY
2. CONTACT FINISH (Ref to GS-12-1314 SECTION 5.2)
3. PRODUCT SPECIFICATION: GS-12-1314.
4. APPLICATION SPECIFICATION: GS-20-0447.
5. 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.
6. MINIMUM NOMINAL PCB THICKNESS: 1.6mm
7. PACKAGED IN TUBES.
8. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
9. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
10. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
11. RECOMMENDED RETENTION TO PCB:
Ø0.110[2.79] THRU HOLE (UNPLATED) FOR M2.5 SELF THREADING SCREW, MAX HEAD Ø0.177[4.50].
RECOMMENDED SCREW LENGTH 0.276[7.00] + PCB THICKNESS.
RECOMMENDED SCREW SEATING TO PCB TORQUE: 2-5 lbf-in (2300-5760 gf-cm).

spec ref	*	dr	De-Ming Lu	2015/05/05	projection	MM	size	A2	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	De-Ming Lu	2016/07/07			ecn no	-		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Martin Li	2016/07/07			rel level	Released		
surface	linear	appr	Pei-Ming Zheng	2016/07/07	product family	PWRMAX	rel level	Released	cat. no.	-
	angular	Amphenol FCI		title	2HP + 24S + 2HP VERTICAL PRESS-FIT RECEPTACLE		dwg no	10135066	rev	A
ISO 1302	0.X ±0.5 0.XX ±0.25 0.XXX ±0.100			Product - Customer Drw	sheet 4 of 4					