



PLATED THROUGH HOLE RECOMMENDATIONS

NOTES:

- ① COPPER PLATING THICKNESS AT THE KNEE OF THE HOLE IS LIMITED TO A MAXIMUM OF 0.01MM ABOVE THE AVERAGE THICKNESS MEASURED WITHIN THE CRITICAL WORKING ZONE AND CANNOT EXCEED THE MAXIMUM THICKNESS SHOWN IN THE TABLES ON SHEET 2 AND 3.
- ② THIS DRILL SIZE MUST BE USED. NO SUBSTITUTIONS ARE PERMITTED.

spec ref		dr Johnescu, Doug 2010/02/02		projection 	MM ←→	size A4	scale 15:1	
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Barry Liang 2019/02/26			ecn no ELX-DG-32487-1	rel level Released	
			chr Stone Li 2019/02/26					
		appr Heaven Cen 2019/02/28		product family AirMAX VSe				
surface ASME Y14.5	linear	0.X	±	Amphenol FCi	title PRINTED CIRCUIT BOARD AirMAX VS2&VSe INFORMATION	dwg no 10104444	rev B	
		0.XX	±					
	angular	0°	±°	cat. no.	Product - Customer Drw	sheet 1 of 3		

TABLE 1 : Ø0.500 FINISHED PTH RECOMMENDATIONS

PLATING TYPE	TIN LEAD	COPPER OSP	TIN (IMMERSION)	SILVER (IMMERSION)
DRILL SIZE	0.60mm METRIC DRILL (SEE NOTE 2)			
Cu PLATING THICKNESS (NOTE 1)	0.025 - 0.069			
PLATING THICKNESS OVER Cu	0.005 - 0.015 SnPb	N/A	0.001 - 0.002 Sn	0.0002 - 0.0006 Ag
FINISHED HOLE Ø	0.45 - 0.55			

spec ref		dr	Johnescu, Doug	2010/02/02	projection 	MM 	size	A4	scale	5:1		
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Barry Liang	2019/02/26			ecn no	ELX-DG-32487-1				
		chr	Stone Li	2019/02/26				rel level	Released			
surface	linear	appr	Heaven Cen	2019/02/28	product family		AirMAX VSe					
ASME Y14.5	0.X	±	Amphenol FCi	title	PRINTED CIRCUIT BOARD			dwg no	10104444		rev	B
	0.XX	±			AirMAX VS2&VSe INFORMATION							
	0.XXX	±			cat. no.	Product - Customer Drw			sheet 2 of 3			
angular	0°	±°										

TABLE 2 : Ø0.400 FINISHED PTH RECOMMENDATIONS

PLATING TYPE	TIN LEAD	COPPER OSP	TIN (IMMERSION)	SILVER (IMMERSION)
DRILL SIZE	0.50mm METRIC DRILL (SEE NOTE 2)			
Cu PLATING THICKNESS (NOTE 1)	0.025 - 0.069			
PLATING THICKNESS OVER Cu	0.005 - 0.015 SnPb	N/A	0.001 - 0.002 Sn	0.0002 - 0.0006 Ag
FINISHED HOLE Ø	0.35 - 0.45			

spec ref		dr	Johnescu, Doug	2010/02/02	projection 	MM 	size	A4	scale	5:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Barry Liang	2019/02/26			ecn no	ELX-DG-32487-1		
		chr	Stone Li	2019/02/26				rel level	Released	
surface	linear	appr	Heaven Cen	2019/02/28	product family	AirMAX VSe			rev	B
ASME Y14.5	angular				title	PRINTED CIRCUIT BOARD		dwg no		
					cat. no.	Product - Customer Drw			sheet 3 of 3	