



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 Stu Stoner		2012/04/21		projection		size A4		scale 5:1					
tolerance std		eng Peng-Bing Fu		2024/01/17						ecn no ELX-DG-50420-1					
ASME Y14.5		chr -		-						rel level Released					
-		appr Heaven Cen		2024/01/23		product family ExaMAX/MEZZ									
surface		linear		0.X		±		Amphenol FCi		title PRINTED CIRCUIT BOARD INFORMATION		dwg no 10119933		rev	
				0.XX		±								F	
ASME Y14.5		angular		0°		±°		cat. no.		Product - Customer Drw		sheet 1 of 3			

TABLE 1 : \varnothing 0.60mm (0.0236") DRILL PTH RECOMMENDATIONS

PLATING TYPE	TIN LEAD	COPPER OSP	TIN (IMMERSION)	SILVER (IMMERSION)	ENIG
DRILL SIZE	0.60mm METRIC DRILL (0.0236") (NOTE 2)				
Cu PLATING THICKNESS (NOTE 1)	0.020 - 0.069mm				0.020 - 0.050mm
PLATING THICKNESS OVER Cu	0.005 - 0.015mm SnPb	N/A	0.001 - 0.002mm Sn	0.0002 - 0.0006mm Ag	0.003-0.006mm(ELECTROLESS NI) 0.00005-0.00020MM(IMMERSION AU)
FINISHED HOLE \varnothing	0.45 - 0.55mm				0.48 - 0.55mm
DIM C	1.0mm MIN				

TABLE 2 : \varnothing 0.45mm (0.0177") DRILL PTH RECOMMENDATIONS

PLATING TYPE	TIN LEAD	COPPER OSP	TIN (IMMERSION)	SILVER (IMMERSION)	ENIG
DRILL SIZE	0.45mm METRIC DRILL (0.0177") (NOTE 2)				
Cu PLATING THICKNESS (NOTE 1)	0.020 - 0.069mm				0.020 - 0.050mm
PLATING THICKNESS OVER Cu	0.005 - 0.015mm SnPb	N/A	0.001 - 0.002mm Sn	0.0002 - 0.0006mm Ag	0.003-0.006mm(ELECTROLESS NI) 0.00005-0.00020MM(IMMERSION AU)
FINISHED HOLE \varnothing	0.31 - 0.41mm				0.34 - 0.41mm
DIM C	1.0mm MIN				

TABLE 3 : \varnothing 0.55mm (0.0217") DRILL PTH RECOMMENDATIONS

PLATING TYPE	TIN LEAD	COPPER OSP	TIN (IMMERSION)	SILVER (IMMERSION)	ENIG
DRILL SIZE	0.55mm METRIC DRILL (0.0217") (NOTE 2)				
Cu PLATING THICKNESS (NOTE 1)	0.020 - 0.069mm				0.020 - 0.050mm
PLATING THICKNESS OVER Cu	0.005 - 0.015mm SnPb	N/A	0.001 - 0.002mm Sn	0.0002 - 0.0006mm Ag	0.003-0.006mm(ELECTROLESS NI) 0.00005-0.00020MM(IMMERSION AU)
FINISHED HOLE \varnothing	0.41 - 0.51mm				0.44 - 0.51mm
DIM C	1.0mm MIN				

spec ref		dr	Stu Stoner	2012/04/21	projection 	MM 	size	A4	scale	5:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2024/01/17			ecn no	ELX-DG-50420-1		
		chr	-	-			rel level	Released		
surface	linear	appr	Heaven Cen	2024/01/23	product family	ExaMAX/MEZZ	dwg no	10119933	rev	F
ASME Y14.5	angular	Amphenol FCI		title		PRINTED CIRCUIT BOARD	Product - Customer Drw		sheet 2 of 3	
					cat. no.					

Creo F119-ELX-NC-AAC, REV F, 2020-12-21

TABLE 4 : \varnothing 0.40mm (0.0157") DRILL "FEMTO TAIL" PTH RECOMMENDATIONS

PLATING TYPE	TIN LEAD	COPPER OSP	TIN (IMMERSION)	SILVER (IMMERSION)	ENIG
DRILL SIZE	0.40mm METRIC DRILL (0.0157") (NOTE 2)				
Cu PLATING THICKNESS (NOTE 1)	0.020 - 0.069mm				0.020 - 0.050mm
PLATING THICKNESS OVER Cu	0.005 - 0.015mm SnPb	N/A	0.001 - 0.002mm Sn	0.0002 - 0.0006mm Ag	0.003-0.006mm(ELECTROLESS Ni) 0.00005-0.00020mm(IMMERSION AU)
FINISHED HOLE \varnothing	0.26 - 0.36mm				0.29 - 0.36mm
DIM C	0.7mm MIN				

TABLE 5 : \varnothing 0.35mm (0.0138") DRILL "ATTO TAIL" PTH RECOMMENDATIONS

PLATING TYPE	TIN LEAD	COPPER OSP	TIN (IMMERSION)	SILVER (IMMERSION)	ENIG
DRILL SIZE	0.35mm METRIC DRILL (0.0138") (NOTE 2)				
Cu PLATING THICKNESS (NOTE 1)	0.020 - 0.050mm				
PLATING THICKNESS OVER Cu	0.005 - 0.015mm SnPb	N/A	0.001 - 0.002mm Sn	0.0002 - 0.0006mm Ag	0.003-0.006mm(ELECTROLESS Ni) 0.00005-0.00020mm(IMMERSION AU)
FINISHED HOLE \varnothing	0.24 - 0.31mm				
DIM C	0.7mm MIN				

spec ref		dr	Stu Stoner	2012/04/21	projection 	MM 	size	A4	scale	5:1		
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu			2024/01/17	ecn no	ELX-DG-50420-1			
			chr	-			-	rel level	Released			
surface	linear	0.X	±	Amphenol FCi	title PRINTED CIRCUIT BOARD INFORMATION	dwg no	10119933		rev F			
ASME Y14.5	angular	0.XX	±							cat. no.	Product - Customer Drw	sheet 3 of 3
		0.XXX	±									
		0°	±°									