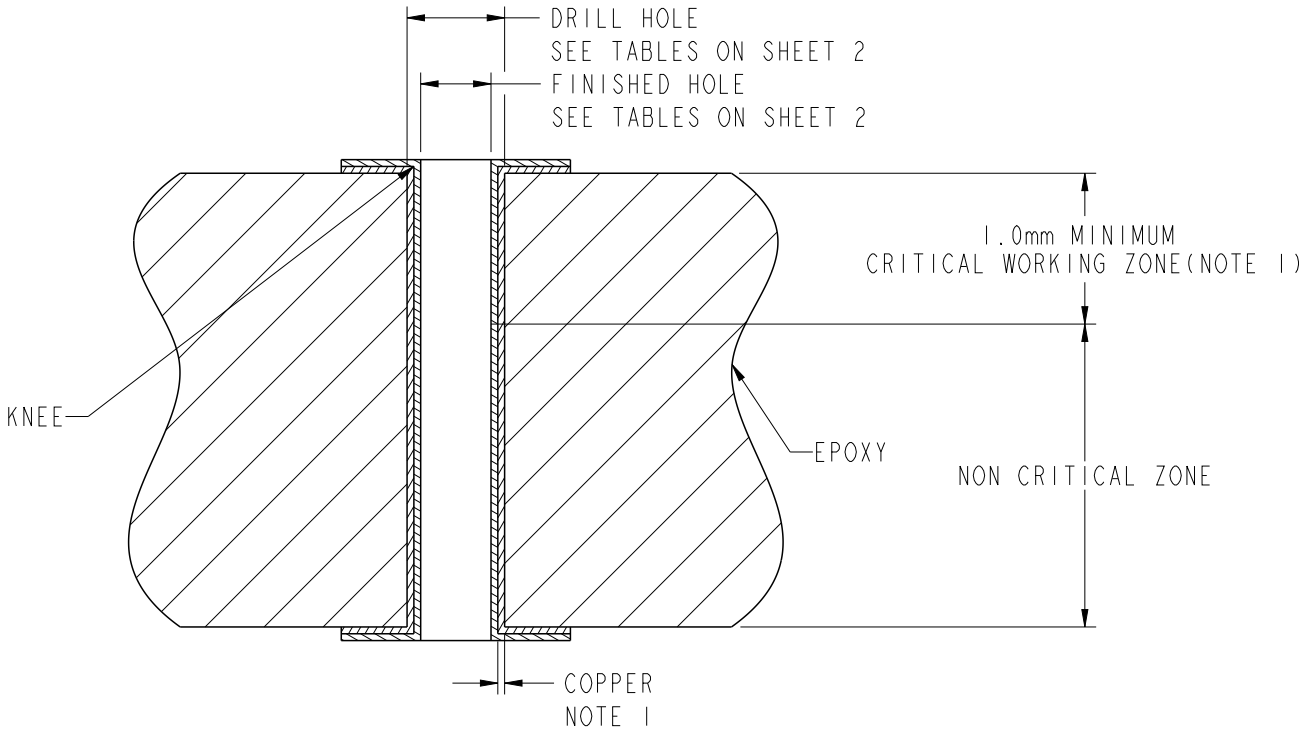

PLATED THROUGH HOLE RECOMMENDATIONS

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.

2. THIS DRILL SIZE MUST BE USED. NO SUBSTITUTIONS ARE PERMITTED.

spec ref				dr	Stu Stoner	2012/04/21	projection	MM
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2019/09/27		
				chr	-	-		
				appr	Heaven Cen	2019/09/29	product family	ExaMAX
surface ASME Y14.5	linear	0.X	±	Amphenol FCi	title	PRINTED CIRCUIT BOARD INFORMATION	dwg no	10119933
		0.XX	±					
		0.XXX	±					
	angular	0°	±°		cat. no.		Product - Customer Drw	

size A4	scale 5:1	rev E	
ecn no	ELX-DG-28490-1		
rel level	Released		
sheet 1 of 3			

Creo File - REV E - 2016-02-12

TABLE 1 : ∅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 ∅	0.45 - 0.55mm				0.48 - 0.55mm

TABLE 2 : ∅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 ∅	0.31 - 0.41mm				0.34 - 0.41mm

TABLE 3 : ∅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 ∅	0.41 - 0.51mm				0.44 - 0.51mm

spec ref			dr	Stu Stoner	2012/04/21	projection	MM
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2019/09/27		
			chr	-	-		
			appr	Heaven Cen	2019/09/29	product family ExaMAX	
surface ASME Y14.5	linear	0.X ±	Amphenol FCi	title	PRINTED CIRCUIT BOARD INFORMATION	dwg no 10119933	rev E
		0.XX ±					
		0.XXX ±					
	angular	0° ±°		cat. no.	Product - Customer Drw		sheet 2 of 3

size A4 | scale 5:1 | ecn no ELX-DG-28490-1 | rel level Released

Amphenol FCi

Creo File - REV E - 2016-02-12

TABLE 4 : ∅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 ∅	0.26 - 0.36mm				0.29 - 0.36mm

TABLE 5 : ∅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 ∅	0.24 - 0.31mm				

spec ref			dr	Stu Stoner	2012/04/21	projection	MM
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2019/09/27		
			chr	-	-		
			appr	Heaven Cen	2019/09/29	product family ExaMAX	
surface ASME Y14.5	linear	0.X ±	Amphenol FCi	title	PRINTED CIRCUIT BOARD INFORMATION	dwg no 10119933	rev E
		0.XX ±					
		0.XXX ±					
	angular	0° ±°		cat. no.	Product - Customer Drw		sheet 3 of 3

size	scale
A4	5:1
ecn no	ELX-DG-28490-1
rel level	Released

Creo File - REV E - 2016-02-12