

LASER MICRO VIA

DRILL CHART: TOP to L02_GND/RF-SIG					
FIGURE	SIZE	TOLERANCE	PLATED	NONSTANDARD	QTY
•	5.0	+0.0/-5.0	PLATED	LASER	170
•	6.0	+0.0/-6.0	PLATED	-	8
TOTAL HOLES: 178					

BACKDRILL: BOTTOM to L06_GND					
FIGURE	SIZE	TOLERANCE	PLATED	NONSTANDARD	QTY
•	9.839	+0.0/-9.839	PLATED	-	1
TOTAL HOLES: 1					

BACKDRILL: BOTTOM to L10_PWR					
FIGURE	SIZE	TOLERANCE	PLATED	NONSTANDARD	QTY
o	9.839	+0.0/-9.839	PLATED	-	4
•	9.839	+0.0/-9.839	PLATED	-	86
•	11.811	+0.0/-11.811	PLATED	-	25
TOTAL HOLES: 115					

NOTES:
- DRILL SIZES LISTED IN LEGEND ARE CONSIDERED FINISHED.
- VENDOR IS REQUIRED TO SELECT TOOLING FOR OVERDRILLING.
- LEGEND DOES NOT SPECIFY DEPTH INTO ADJACENT DIELECTRIC LAYER.

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BACKDRILL: TOP to L06_GND					
FIGURE	SIZE	TOLERANCE	PLATED	NONSTANDARD	QTY
•	9.839	+0.0/-9.839	PLATED	-	6
TOTAL HOLES: 6					

BACKDRILL: TOP to L13_GND					
FIGURE	SIZE	TOLERANCE	PLATED	NONSTANDARD	QTY
•	9.839	+0.0/-9.839	PLATED	-	14
TOTAL HOLES: 14					

BACKDRILL: BOTTOM to L05_SIG					
FIGURE	SIZE	TOLERANCE	PLATED	NONSTANDARD	QTY
•	9.839	+0.0/-9.839	PLATED	-	24
TOTAL HOLES: 24					

BACKDRILL: BOTTOM to L15_GND					
FIGURE	SIZE	TOLERANCE	PLATED	NONSTANDARD	QTY
•	9.839	+0.0/-9.839	PLATED	-	90
TOTAL HOLES: 90					

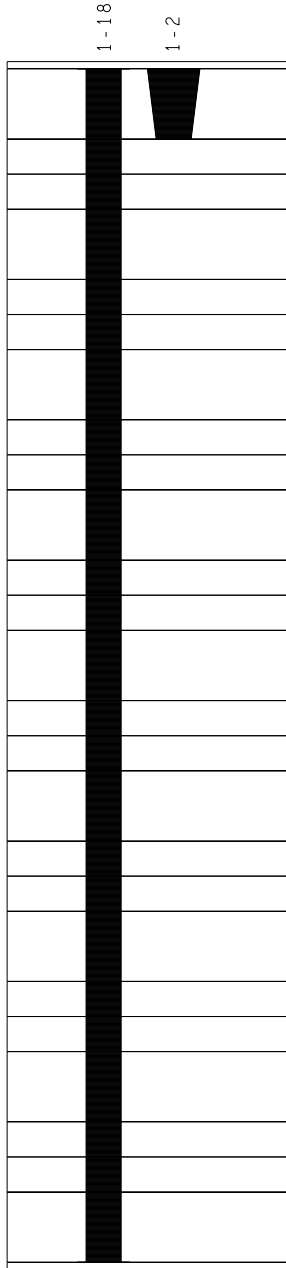
BACKDRILL: BOTTOM to L17_GND					
FIGURE	SIZE	TOLERANCE	PLATED	NONSTANDARD	QTY
•	9.839	+0.0/-9.839	PLATED	-	71
•	12.0	+0.0/-12.0	PLATED	-	16
TOTAL HOLES: 87					

BACKDRILL: BOTTOM to L08_GND					
FIGURE	SIZE	TOLERANCE	PLATED	NONSTANDARD	QTY
•	9.839	+0.0/-9.839	PLATED	-	6
TOTAL HOLES: 6					

BACKDRILL: BOTTOM to L13_GND					
FIGURE	SIZE	TOLERANCE	PLATED	NONSTANDARD	QTY
•	9.839	+0.0/-9.839	PLATED	-	8
TOTAL HOLES: 8					


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DRILL CHART: TOP to BOTTOM					
FIGURE	SIZE	TOLERANCE	PLATED	NONSTANDARD	QTY
•	7.87	+0.0/-9.839	PLATED	-	32
•	8.0	+0.0/-8.0	PLATED	-	483
o	9.839	+0.0/-9.839	PLATED	-	38
•	9.839	+0.0/-9.839	PLATED	-	8000
o	10.0	+0.0/-10.0	PLATED	-	24
•	10.0	+0.0/-10.0	PLATED	-	1
•	11.811	+0.0/-11.811	PLATED	-	327
•	11.811	+0.0/-11.811	PLATED	-	9
•	12.0	+0.0/-12.0	PLATED	-	32
•	12.0	+0.0/-12.0	PLATED	-	36
•	35.831	+1.969/-3.941	PLATED	-	12
•	37.402	+1.969/-1.969	PLATED	-	20
•	40.161	+3.15/-3.15	PLATED	-	24
•	40.161	+3.15/-3.15	PLATED	-	135
•	40.161	+3.941/-1.969	PLATED	-	4
•	41.339	+1.969/-1.969	PLATED	-	14
•	48.031	+3.15/-3.15	PLATED	-	5
•	48.031	+3.15/-3.15	PLATED	-	1
•	61.811	+3.15/-3.15	PLATED	-	2
•	62.988	+3.15/-3.15	PLATED	-	36
•	70.87	+3.15/-3.15	PLATED	-	6
•	72.831	+3.15/-3.15	PLATED	-	5
•	105.909	+3.15/-3.15	PLATED	-	2
•	125.201	+3.15/-3.15	PLATED	-	2
•	155.909	+3.15/-3.15	PLATED	-	6
•	250.0	+3.0/-3.0	PLATED	-	3
•	33.071	+1.969/-1.969 NON-PLATED	-	-	2
•	40.161	+1.969/-1.969 NON-PLATED	-	-	2
•	42.909	+1.969/-1.969 NON-PLATED	-	-	2
•	51.969	+1.969/-1.969 NON-PLATED	-	-	2
•	55.909	+1.969/-1.969 NON-PLATED	-	-	1
•	57.09	+1.969/-1.969 NON-PLATED	-	-	4
•	61.02	+1.969/-1.969 NON-PLATED	-	-	8
•	62.988	+1.969/-1.969 NON-PLATED	-	-	2
•	62.988	+1.969/-1.969 NON-PLATED	-	-	7
•	79.13	+1.969/-1.969 NON-PLATED	-	-	2
•	126.0	+2.0/-2.0 NON-PLATED	-	-	4
•	127.169	+1.969/-3.941 NON-PLATED	-	-	2
•	172.831	+1.969/-1.969 NON-PLATED	-	-	1
•	33.071x25.98	+0.0/-9.059	PLATED	-	2
•	59.839x31.89	+1.969/-1.969	PLATED	-	2
•	60.0x30.0	+3.0/-3.0	PLATED	-	16
•	60.0x30.0	+3.0/-3.0	PLATED	-	11
•	62.988x24.02	+1.969/-1.969	PLATED	-	4
•	78.74x44.091	+3.15/-3.15	PLATED	-	2
TOTAL HOLES: 9335					



- * SURFACE - AIR 0 MIL
- * DIELECTRIC - CONFORMAL_COAT 0.5 MIL
- L1: TOP CONDUCTOR - 050Z_COPPER 2 MIL
- * DIELECTRIC - C_2X1067-SPLDK[745] 5 MIL
- L2: L02_GND/RF-SIG PLANE - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- L3: L03_SIG/RF-GND CONDUCTOR - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - C_2X1067-SPLDK[745] 5 MIL
- L4: L04_GND PLANE - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- L5: L05_SIG CONDUCTOR - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - C_2X1067-SPLDK[745] 5 MIL
- L6: L06_GND PLANE - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- L7: L07_SIG CONDUCTOR - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - C_2X1067-SPLDK[745] 5 MIL
- L8: L08_GND PLANE - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- L9: L09_PWR PLANE - 10Z_HVLP_CU 1.2 MIL
- * DIELECTRIC - C_2X1067-SPLDK[745] 5 MIL
- L10: L10_PWR PLANE - 10Z_HVLP_CU 1.2 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- L11: L11_GND PLANE - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - C_2X1067-SPLDK[745] 5 MIL
- L12: L12_SIG CONDUCTOR - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- L13: L13_GND PLANE - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - C_2X1067-SPLDK[745] 5 MIL
- L14: L14_SIG CONDUCTOR - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- L15: L15_GND PLANE - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - C_2X1067-SPLDK[745] 5 MIL
- L16: L16_SIG CONDUCTOR - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- * DIELECTRIC - P_1067-SPLDK[745]2H 2.5 MIL
- L17: L17_GND PLANE - 050Z_HVLP_CU 0.6 MIL
- * DIELECTRIC - C_2X1067-SPLDK[745] 5 MIL
- L18: BOTTOM CONDUCTOR - 050Z_COPPER 2 MIL
- * DIELECTRIC - CONFORMAL_COAT 0.5 MIL
- * SURFACE - AIR 0 MIL

DESIGN CROSS SECTION CHART
TOTAL THICKNESS 100.8 MIL

UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE		<div>XILINX®</div> <div>2100 LOGIC DR. SAN JOSE, CA 95124 HWCP - HARDWARE & CONFIGURATION PLATFORMS</div>									
DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PL DECIMALS +/- .010 3 PL DECIMALS +/- .005 ANGLES + FRACTIONS +		DRAWN	GREG I.	05/30/18		FABRICATION DRAWING PCB, ROHS COMPLIANT HW_Z1_ZCU111									
		CHECKED													
		ENGRG	BRIAN FORSSE	01/22/18											
		ISSUED													
						SIZE		FSCM NO		DWG NO		VER		REV	
						D				1280976		1.0		01	
						SCALE		NONE				SHEET			