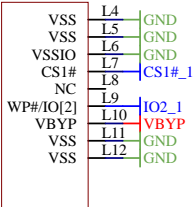
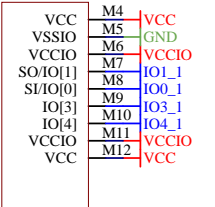
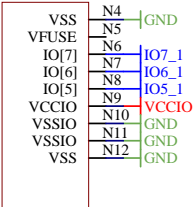
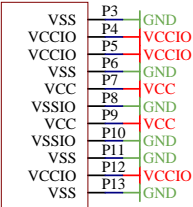
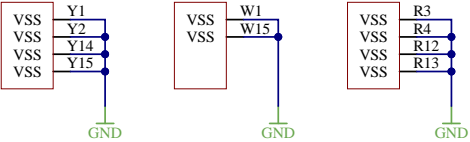
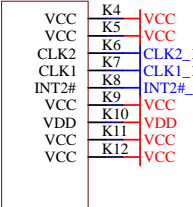
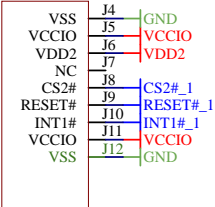
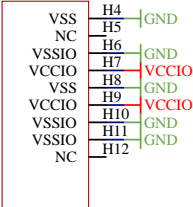
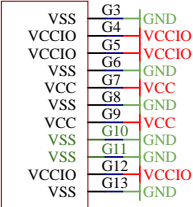
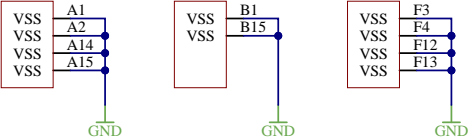
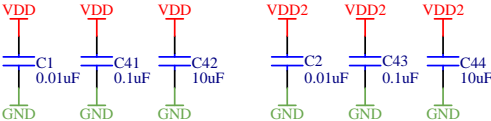
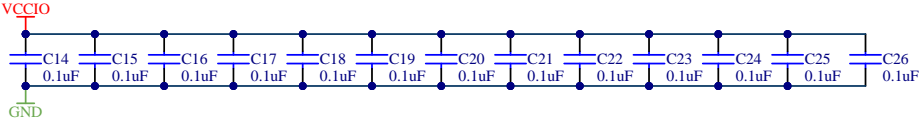
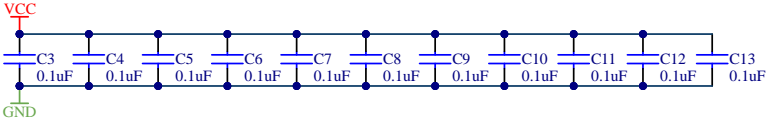


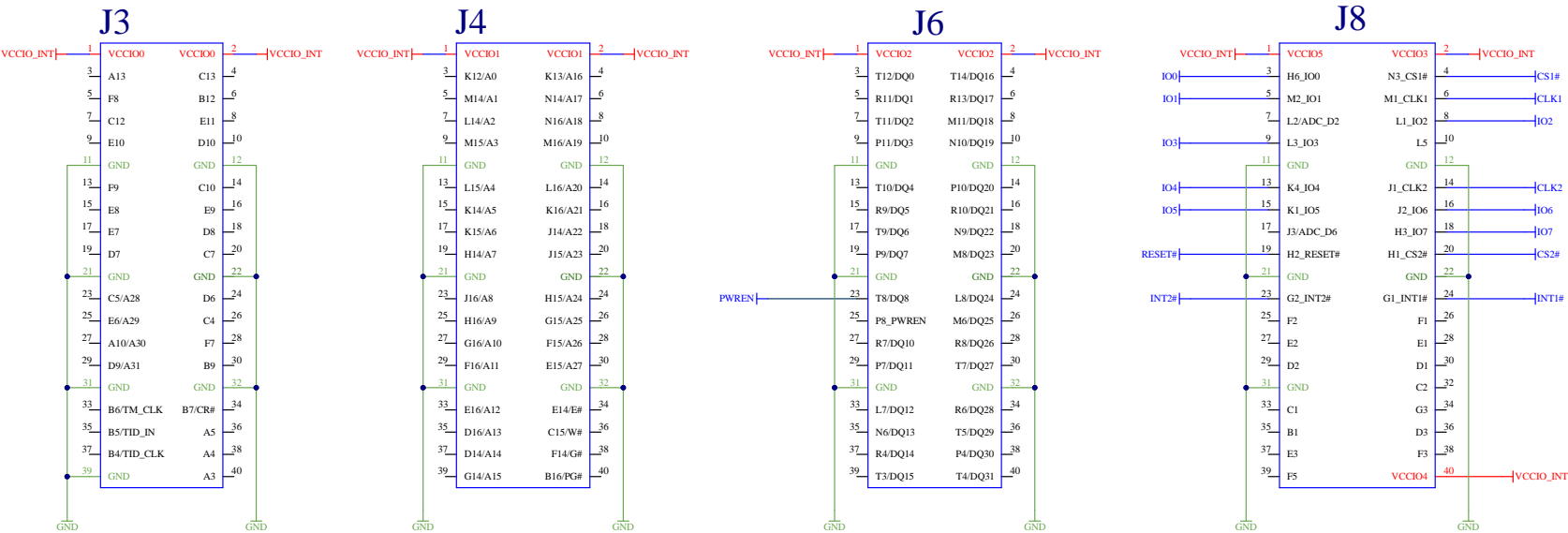
Avalanche 96-Ball FBGA



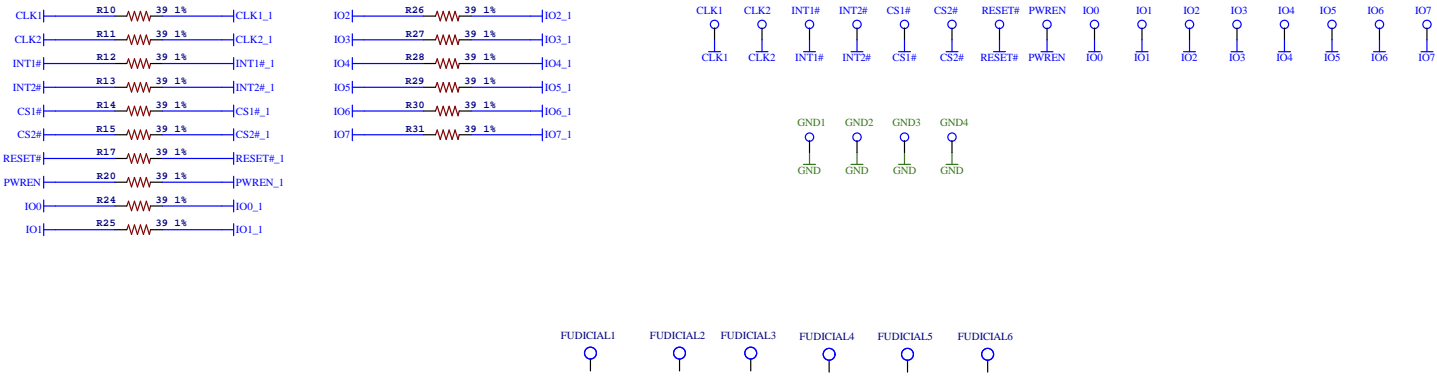
DUT1



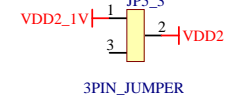
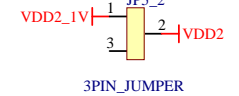
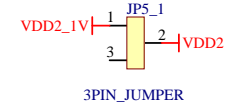
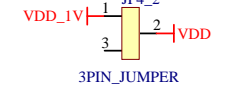
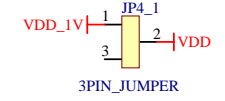
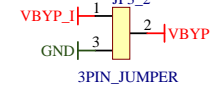
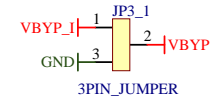
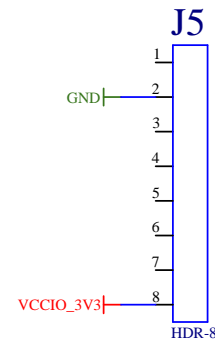
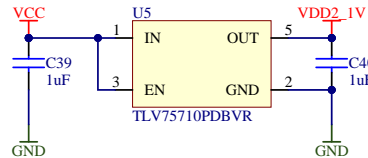
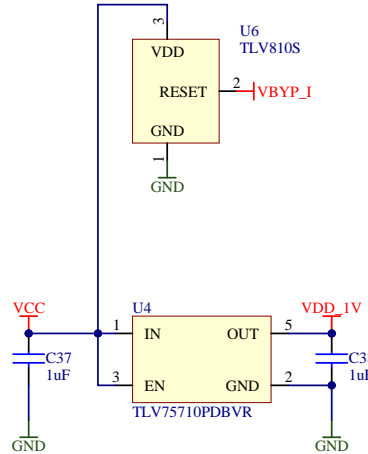
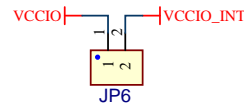
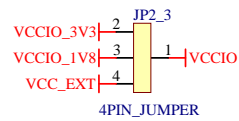
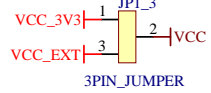
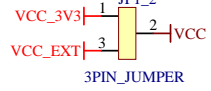
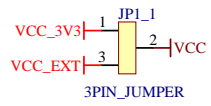
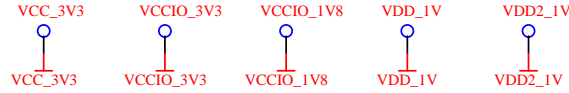
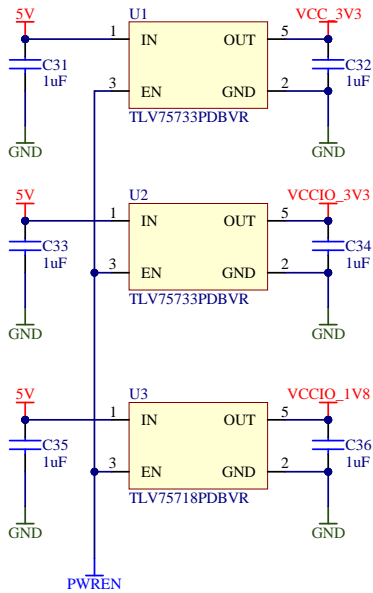
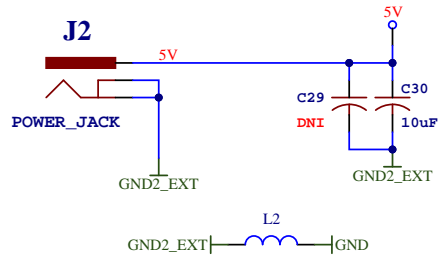
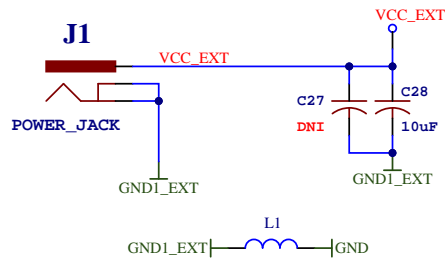
96-Ball FBGA Connection to Lattice MACHX03 Development Kit.

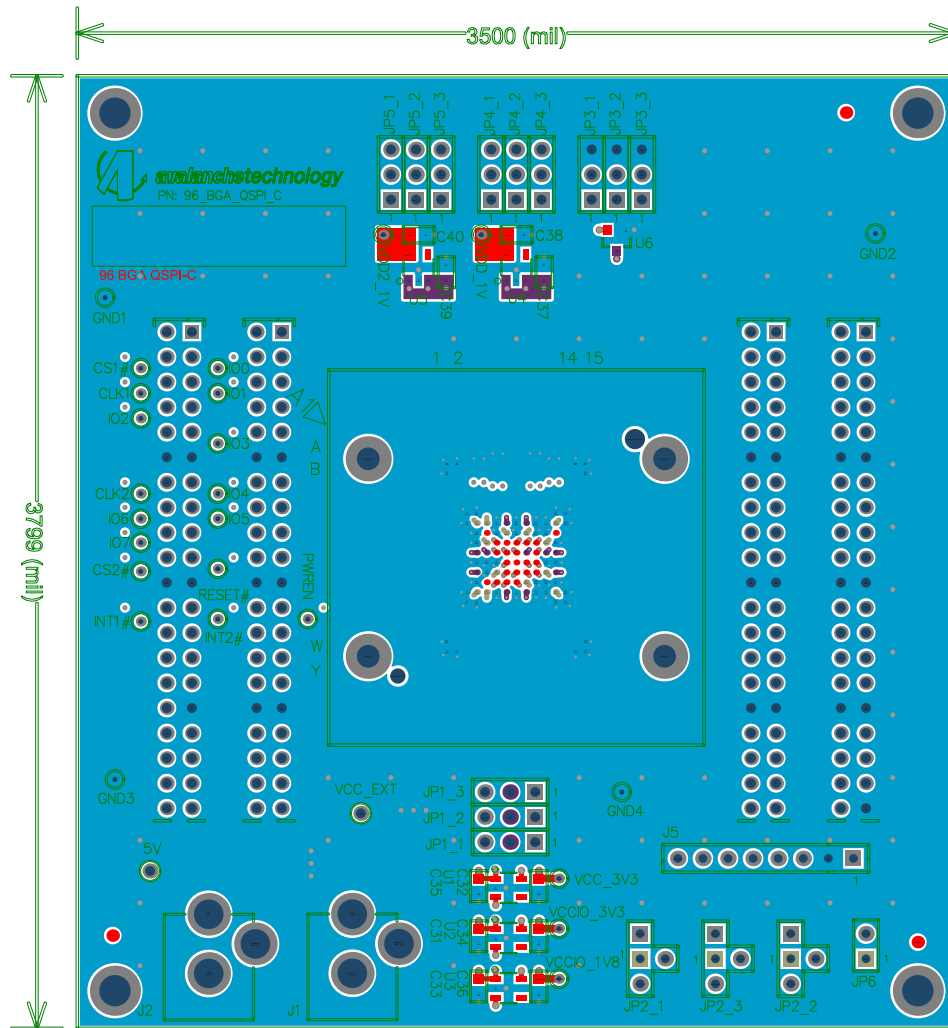


Source Termination 39 Ohms



Power Supply

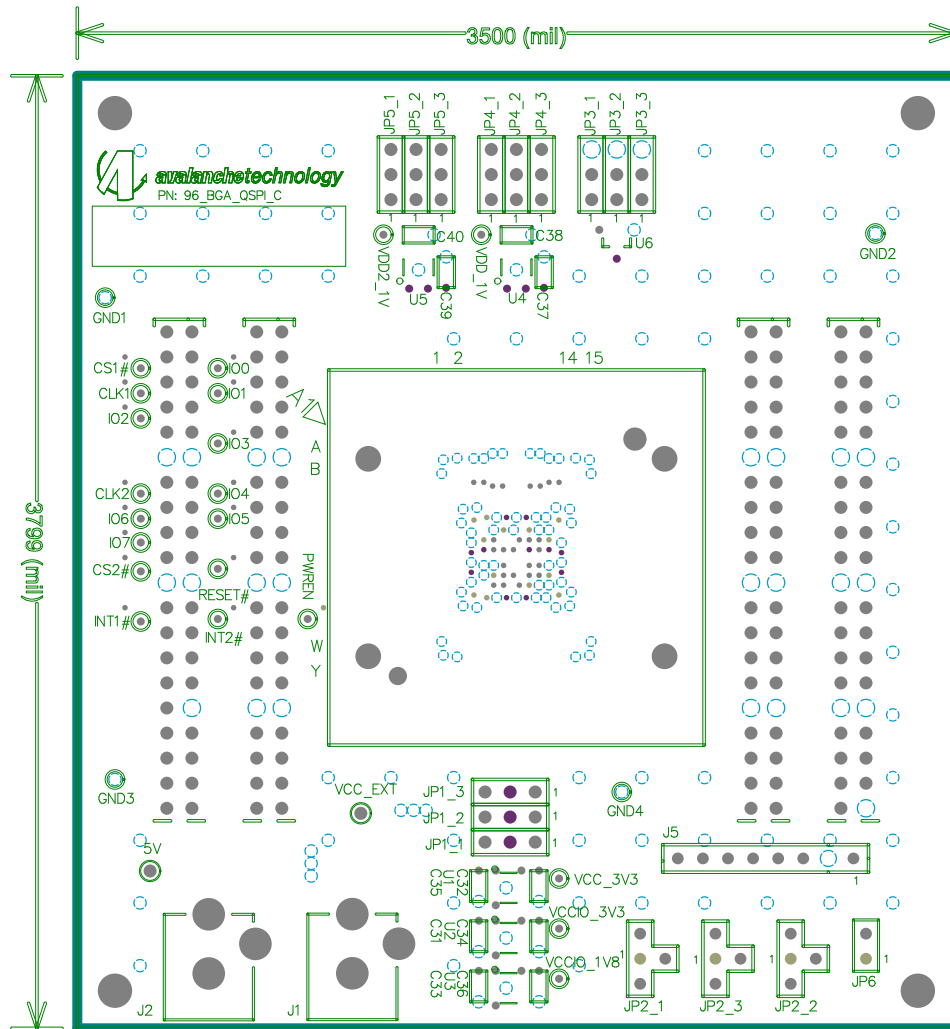




Title: 96 BGA QSPI-C	
Customer:	
Contact:	
CUST P/N#:	
JOB#: PN: QDS10550_AVL_C (V1.0)	
ENG./Designer: Trang Nguyen	
Scale: 1 TO 1	
View: TOP VIEW	
DATE PLOTTED: 9/20/2022	
PADMASTER	DRILLMASTER
TOP	
TOP SILKSCREEN	

BOARD LAYER STRUCTURE:

LAYER 1	TOP (50 OHMS)
LAYER 2	GND1
LAYER 3	INTERNAL 1 (50 OHMS)
LAYER 4	PWR1
LAYER 5	PWR2
LAYER 6	PWR3
LAYER 7	GND3
LAYER 8	BOTTOM (50 OHMS)

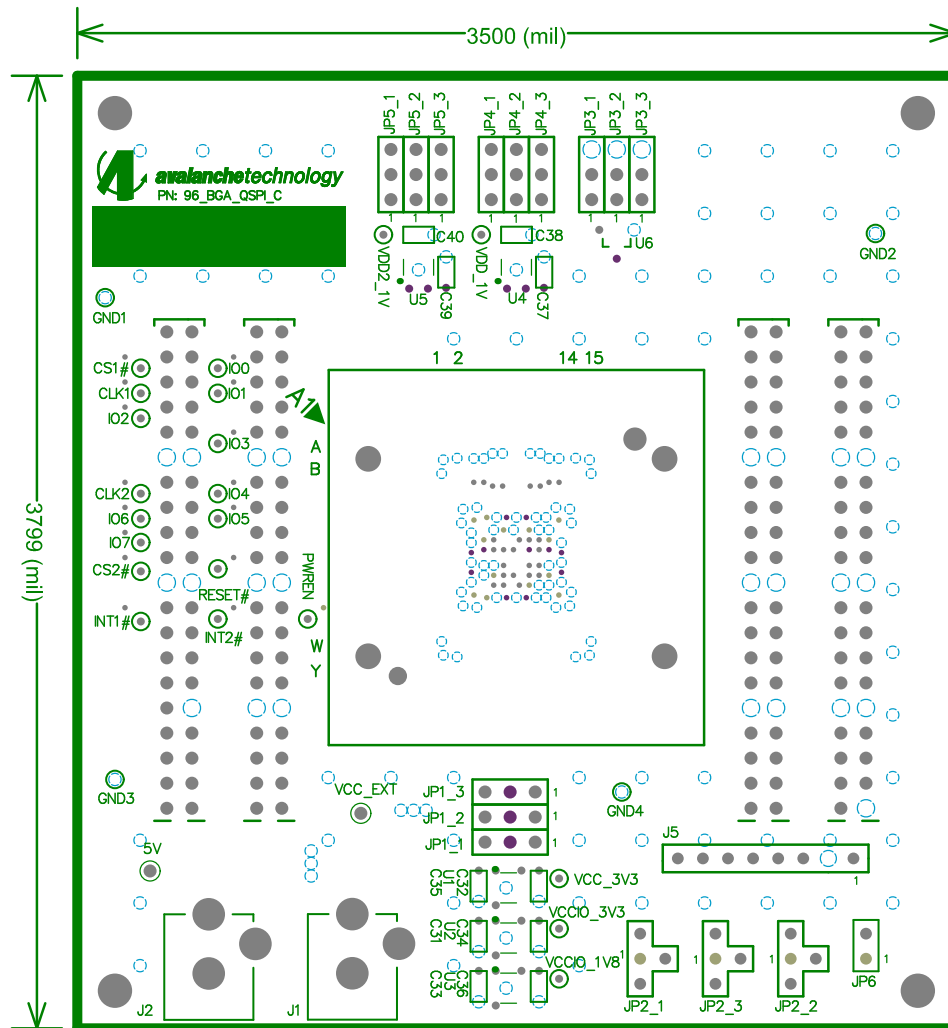


Title:	96 BGA QSPI-C
Customer:	
Contact:	
CUST P/N#:	
JOB#:	PN: QDS10550_AVL_C (V1.0)
ENG./Designer:	Trang Nguyen
Scale:	1 TO 1
View:	TOP VIEW
DATE PLOTTED: 9/20/2022	
PADMASTER	DRILLMASTER
GND1	
TOP SILKSCREEN	

BOARD LAYER STRUCTURE:

LAYER 1	TOP (50 OHMS)
LAYER 2	GND1
LAYER 3	INTERNAL 1 (50 OHMS)
LAYER 4	PWR1
LAYER 5	PWR2
LAYER 6	PWR3
LAYER 7	GND3
LAYER 8	BOTTOM (50 OHMS)

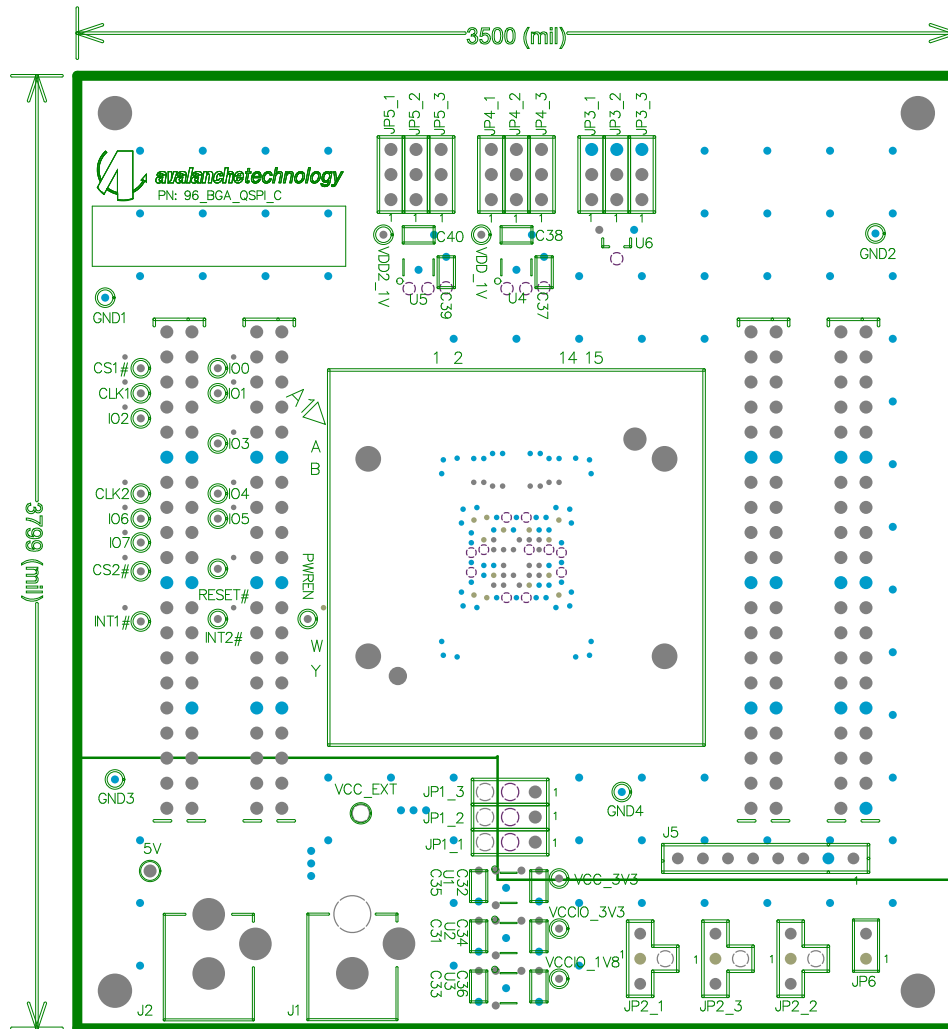
LAYER 1	=====	TOP (50 OHMS)
LAYER 2	=====	GND1
LAYER 3	=====	INTERNAL 1 (50 OHMS)
LAYER 4	=====	PWR1
LAYER 5	=====	PWR2
LAYER 6	=====	PWR3
LAYER 7	=====	GND3
LAYER 8	=====	BOTTOM (50 OHMS)



Title:	96 BGA QSPI-C
Customer:	
Contact:	
CUST P/N#:	
JOB#:	PN: QDS10550_AVL_C (V1.0)
ENG./Designer:	Trang Nguyen
Scale:	1 TO 1
View:	TOP VIEW
DATE PLOTTED: 9/20/2022	
PADMASTER	DRILLMASTER
GND2	
TOP SILKSCREEN	

BOARD LAYER STRUCTURE:

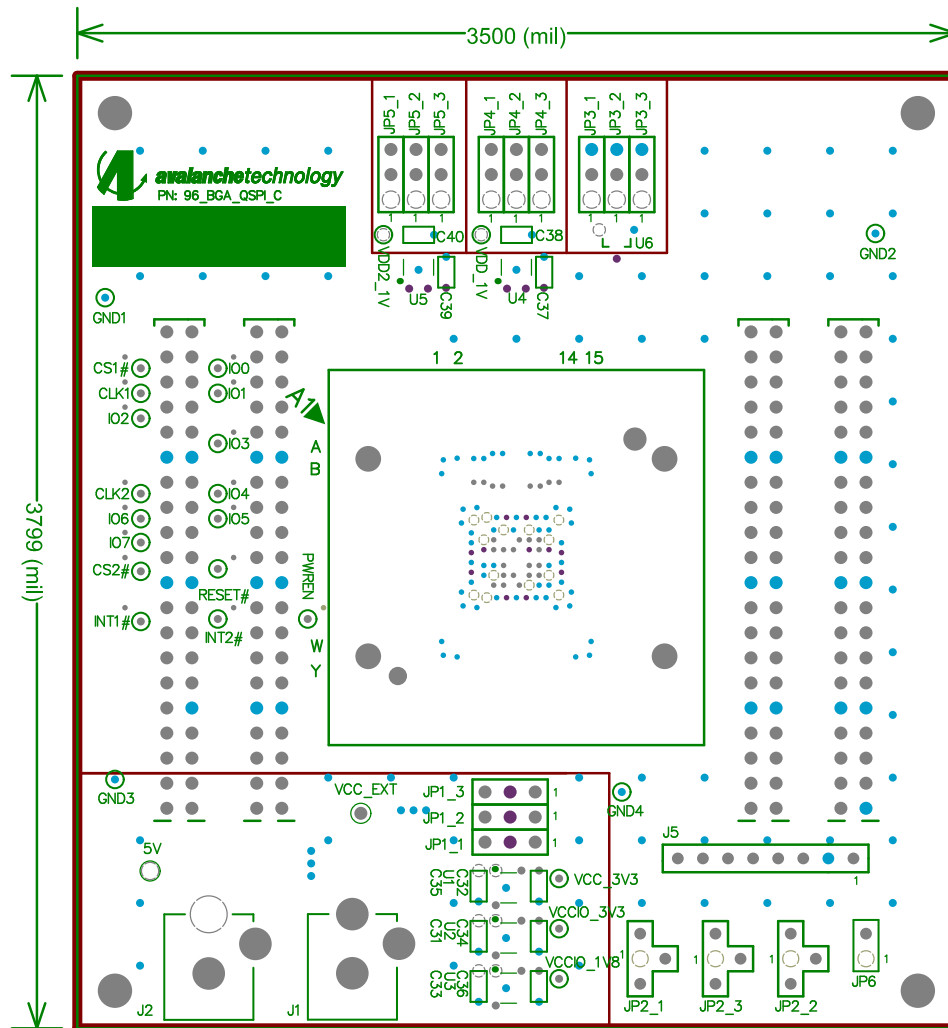
LAYER 1	TOP (50 OHMS)
LAYER 2	GND1
LAYER 3	INTERNAL 1 (50 OHMS)
LAYER 4	PWR1
LAYER 5	PWR2
LAYER 6	PWR3
LAYER 7	GND3
LAYER 8	BOTTOM (50 OHMS)



Title:	96 BGA QSPI-C
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CUST P/N#:	
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ENG./Designer:	Trang Nguyen
Scale:	1 TO 1
View:	TOP VIEW
DATE PLOTTED: 9/20/2022	
PADMASTER	DRILLMASTER
PWR1	
TOP SILKSCREEN	

BOARD LAYER STRUCTURE:

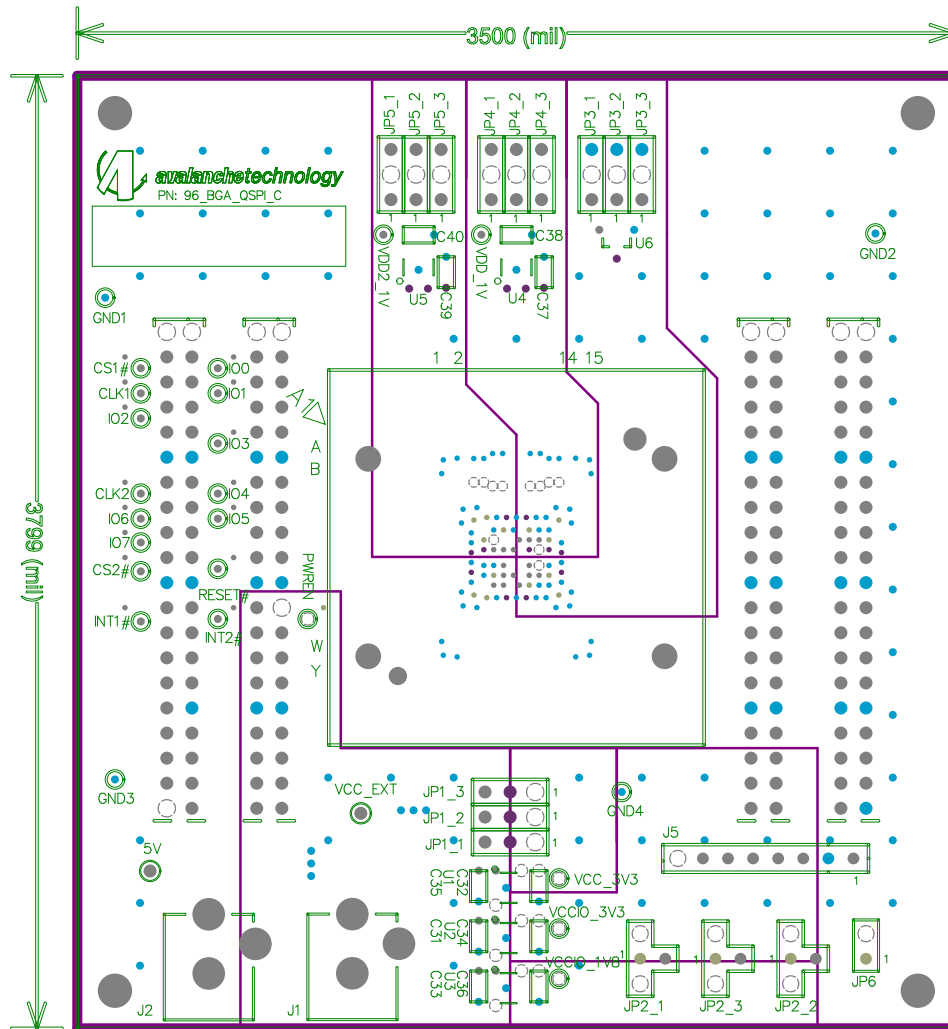
LAYER 1	TOP (50 OHMS)
LAYER 2	GND1
LAYER 3	INTERNAL 1 (50 OHMS)
LAYER 4	PWR1
LAYER 5	PWR2
LAYER 6	PWR3
LAYER 7	GND3
LAYER 8	BOTTOM (50 OHMS)



Title:	96 BGA QSPI-C
Customer:	
Contact:	
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JOB#:	PN: QDS10550_AVL_C (V1.0)
ENG./Designer:	Trang Nguyen
Scale:	1 TO 1
View:	TOP VIEW
DATE PLOTTED: 9/20/2022	
PADMASTER	DRILLMASTER
	PWR2
TOP SILKSCREEN	

BOARD LAYER STRUCTURE:

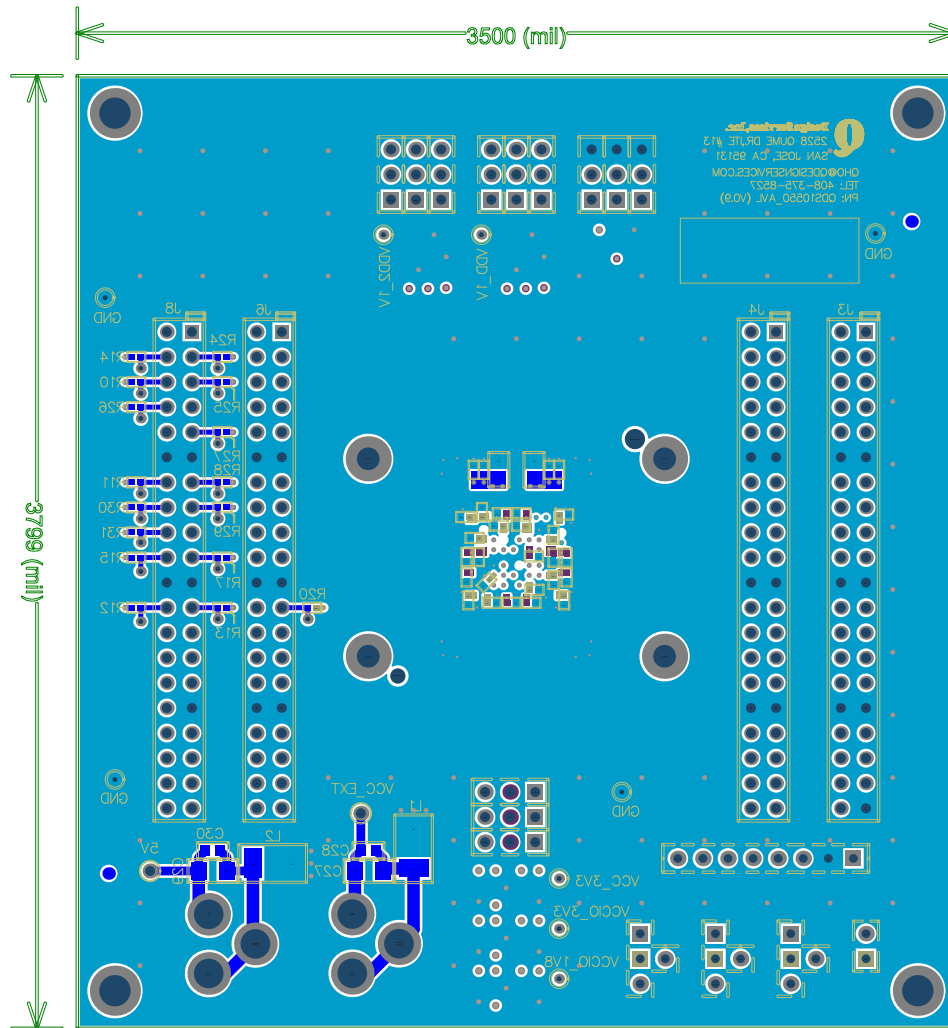
LAYER 1	TOP (50 OHMS)
LAYER 2	GND1
LAYER 3	INTERNAL 1 (50 OHMS)
LAYER 4	PWR1
LAYER 5	PWR2
LAYER 6	PWR3
LAYER 7	GND3
LAYER 8	BOTTOM (50 OHMS)



Title:	96 BGA QSPI-C
Customer:	
Contact:	
CUST P/N#:	
JOB#:	PN: QDS10550_AVL_C (V1.0)
ENG./Designer:	Trang Nguyen
Scale:	1 TO 1
View:	TOP VIEW
DATE PLOTTED: 9/20/2022	
PADMASTER	DRILLMASTER
	PWR3
TOP SILKSCREEN	

BOARD LAYER STRUCTURE:

LAYER 1	TOP (50 OHMS)
LAYER 2	GND1
LAYER 3	INTERNAL 1 (50 OHMS)
LAYER 4	PWR1
LAYER 5	PWR2
LAYER 6	PWR3
LAYER 7	GND3
LAYER 8	BOTTOM (50 OHMS)



Title:	96 BGA QSPI-C
Customer:	
Contact:	
CUST P/N#:	
JOB#:	PN: QDS10550_AVL_C (V1.0)
ENG./Designer:	Trang Nguyen
Scale:	1 TO 1
View:	TOP VIEW
DATE PLOTTED: 9/20/2022	
PADMASTER	DRILLMASTER
	BOTTOM
	BOTTOM SILKSCREEN

BOARD LAYER STRUCTURE:

LAYER 1	—————	TOP (50 OHMS)
LAYER 2	—————	GND1
LAYER 3	—————	INTERNAL 1 (50 OHMS)
LAYER 4	—————	PWR1
LAYER 5	—————	PWR2
LAYER 6	—————	PWR3
LAYER 7	—————	GND3
LAYER 8	—————	BOTTOM (50 OHMS)