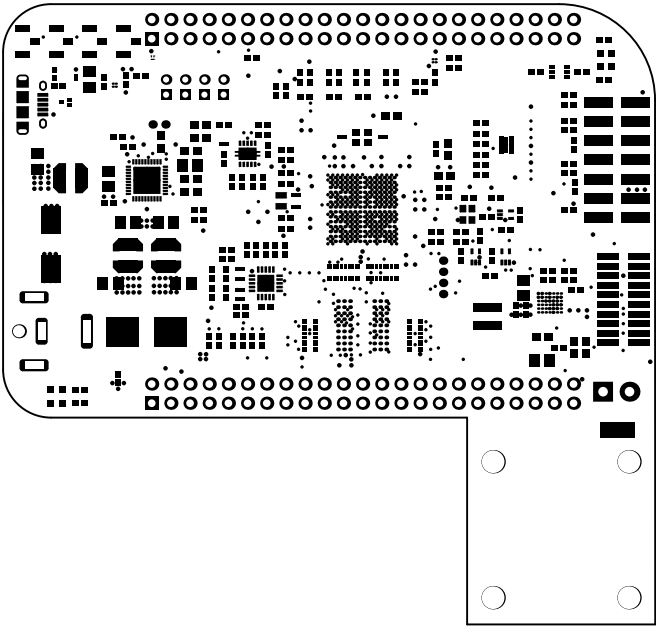
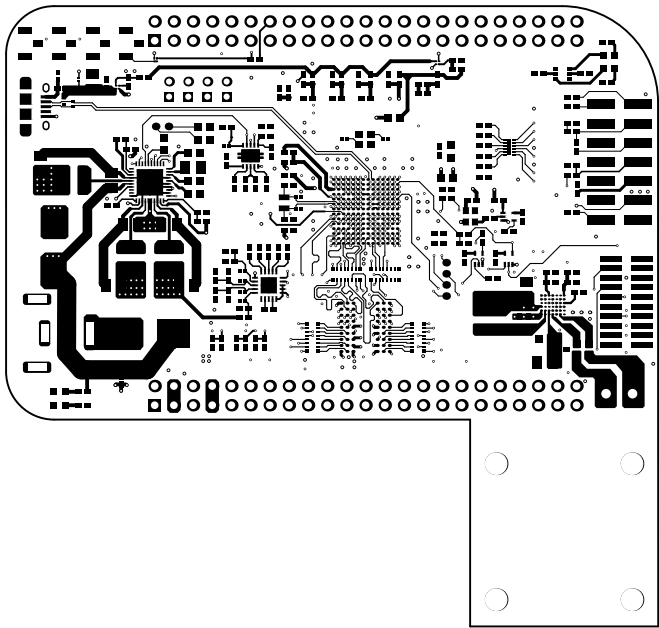


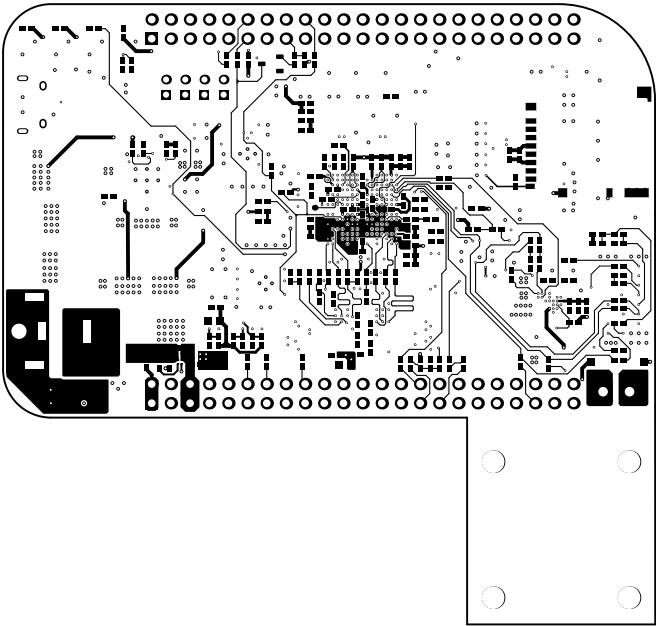
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-01589	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = Top Overlay	TID #: 01589		
PLOT NAME = Top Overlay	GENERATED : 10/24/2018 11:13:02 AM	TEXAS INSTRUMENTS	



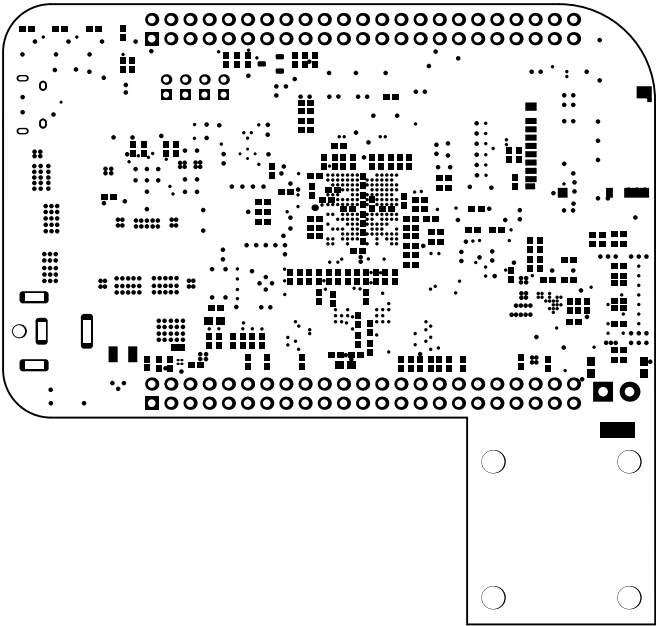
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-01589	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = Top Solder	TID #: 01589		
PLOT NAME = Top Solder Mask	GENERATED : 10/24/2018 11:13:04 AM	TEXAS INSTRUMENTS	



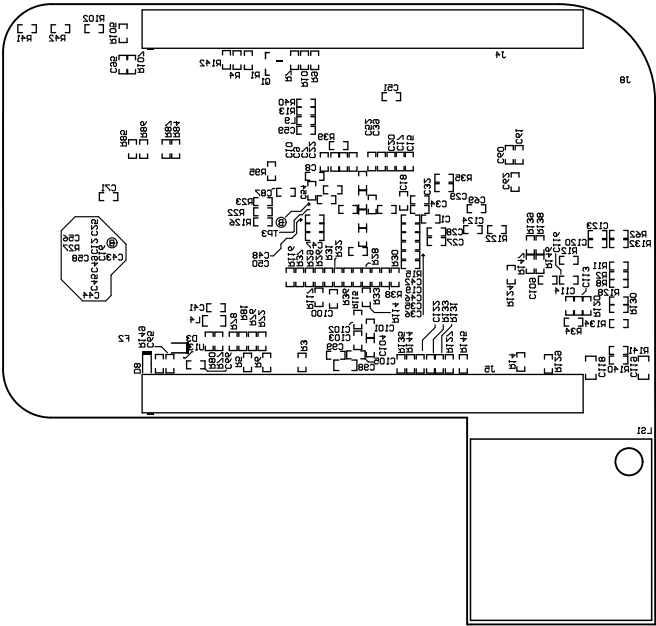
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-01589	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = Top Layer	TID #: 01589		
PLOT NAME = Top Layer	GENERATED : 10/24/2018 11:13:05 AM	TEXAS INSTRUMENTS	



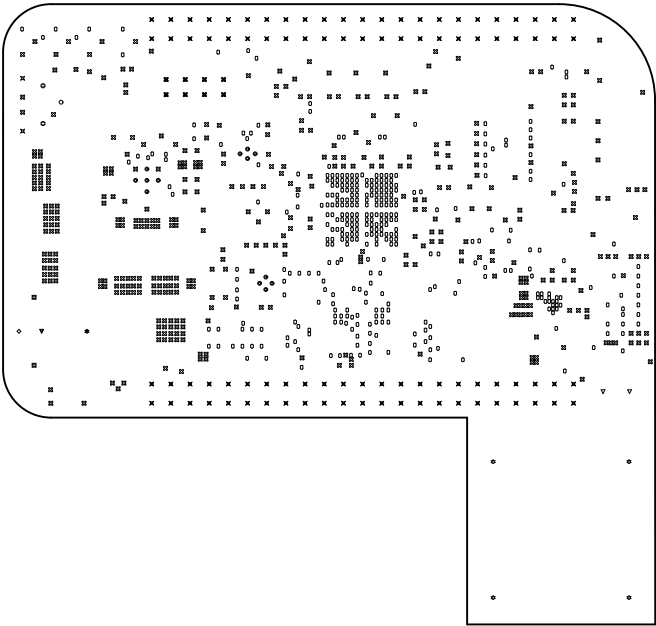
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-01589	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = Bottom Layer	TID #: 01589		
PLOT NAME = Bottom Layer	GENERATED : 10/24/2018 11:13:06 AM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-01589	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = Bottom Solder	TID #: 01589		
PLOT NAME = Bottom Solder Mask	GENERATED : 10/24/2018 11:13:07 AM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-01589	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = Bottom Overlay	TID #: 01589		
PLOT NAME = Bottom Overlay	GENERATED : 10/24/2018 11:13:08 AM	TEXAS INSTRUMENTS	



Impedance Details:

For 90 OHM ON TOP LAYER 5.53MIL TRACE WIDTH AND 8.46 MIL SPACING  
FOR 50 OHM 5.691 MIL TRACE WIDTH IN OUTER LAYER AND  
4.92 MIL TRACE WIDTH IN SIGNAL LAYER1 AND SIGNAL LAYER2

IMPEDANCE TOLERANCE +/-10%

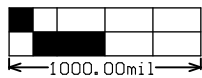
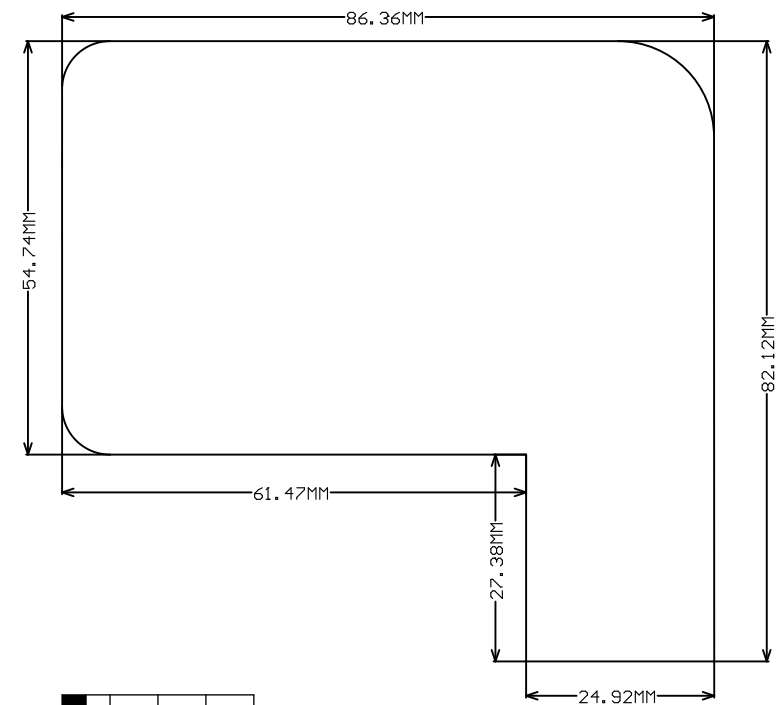
SOLDER MASK IS PROVIDED SAME AS PAD SIZE IN BGA AREA.MANUFACTURER WILL DO  
THE EXPANSION AS PER REQUIREMENT

Symbol	Quantity	Finished Hole Size	Plated	Hole Type	Drill Layer Pair	Hole Length
○	1	6.00mil (0.152mm)	PTH	Round	Top Layer - Bottom Layer	-
⦿	13	7.87mil (0.200mm)	PTH	Round	Top Layer - Bottom Layer	-
○	375	8.00mil (0.203mm)	PTH	Round	Top Layer - Bottom Layer	-
⊗	418	10.00mil (0.254mm)	PTH	Round	Top Layer - Bottom Layer	-
⊗	2	19.69mil (0.500mm)	PTH	Slot	Top Layer - Bottom Layer	45.28mil (1.150mm)
⊗	2	21.65mil (0.550mm)	PTH	Slot	Top Layer - Bottom Layer	33.47mil (0.850mm)
⊗	8	31.89mil (0.810mm)	PTH	Round	Top Layer - Bottom Layer	-
▽	1	39.37mil (1.000mm)	PTH	Rectangle	Top Layer - Bottom Layer	90.55mil (2.300mm)
▣	2	39.37mil (1.000mm)	PTH	Rectangle	Top Layer - Bottom Layer	98.43mil (2.500mm)
✱	1	39.37mil (1.000mm)	PTH	Rectangle	Top Layer - Bottom Layer	118.11mil (3.000mm)
⊗	92	40.00mil (1.016mm)	PTH	Round	Top Layer - Bottom Layer	-
▽	2	50.00mil (1.270mm)	PTH	Round	Top Layer - Bottom Layer	-
◇	1	62.99mil (1.600mm)	NPTH	Round	Top Layer - Bottom Layer	-
✱	4	118.11mil (3.000mm)	NPTH	Round	Top Layer - Bottom Layer	-
922 Total						

Slot definitions : Routed Path Length = Calculated from tool start centre position to tool end centre position.  
Hole Length = Routed Path Length + Tool Size = Slot length as defined in the PCB layout

For 6 MIL +0/-6 MIL  
For 7.874 MIL +0/-7.874 MIL  
For 8 MIL +0/-8 MIL  
For 10 MIL +0/-10 MIL  
FOR PTH +/-3 MIL  
FOR NPTH +/-2 MIL

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-01589	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Drill Drawing	TID #: 01589		
PLOT NAME = Drill Drawing	GENERATED : 10/24/2018 11:13:10 AM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-01589	REV: E2	SVN REV: Not In VersionControl
LAYER NAME =	TID #: 01589		
PLOT NAME = Board Dimensions	GENERATED : 10/24/2018 11:13:14 AM	TEXAS INSTRUMENTS	