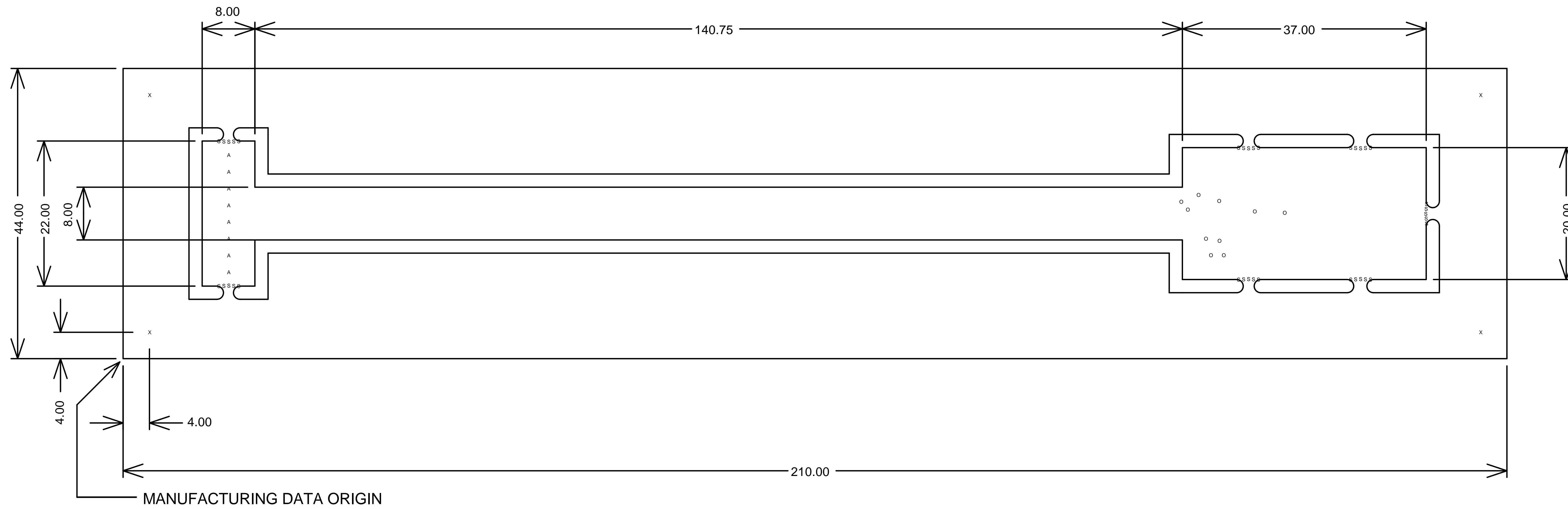


TOP LAYER VIEW



FOR FULL BOARD OUTLINE DEFINITION, REFER TO BOARD OUTLINE GERBER FILE

ALL INTERNAL RADIUS: $R=1.00\text{mm}$

Symbol	Count	Hole Size	Plated	Via/Pad	Comment
O	10	0.20mm	PTH	Via	Board Overlap
A	8	1.00mm	PTH	Pad	
S	35	0.50mm	NPTH	Pad	
X	4	3.05mm	NPTH	Pad	
	57 Total				

Hole Size shall be taken as follow :

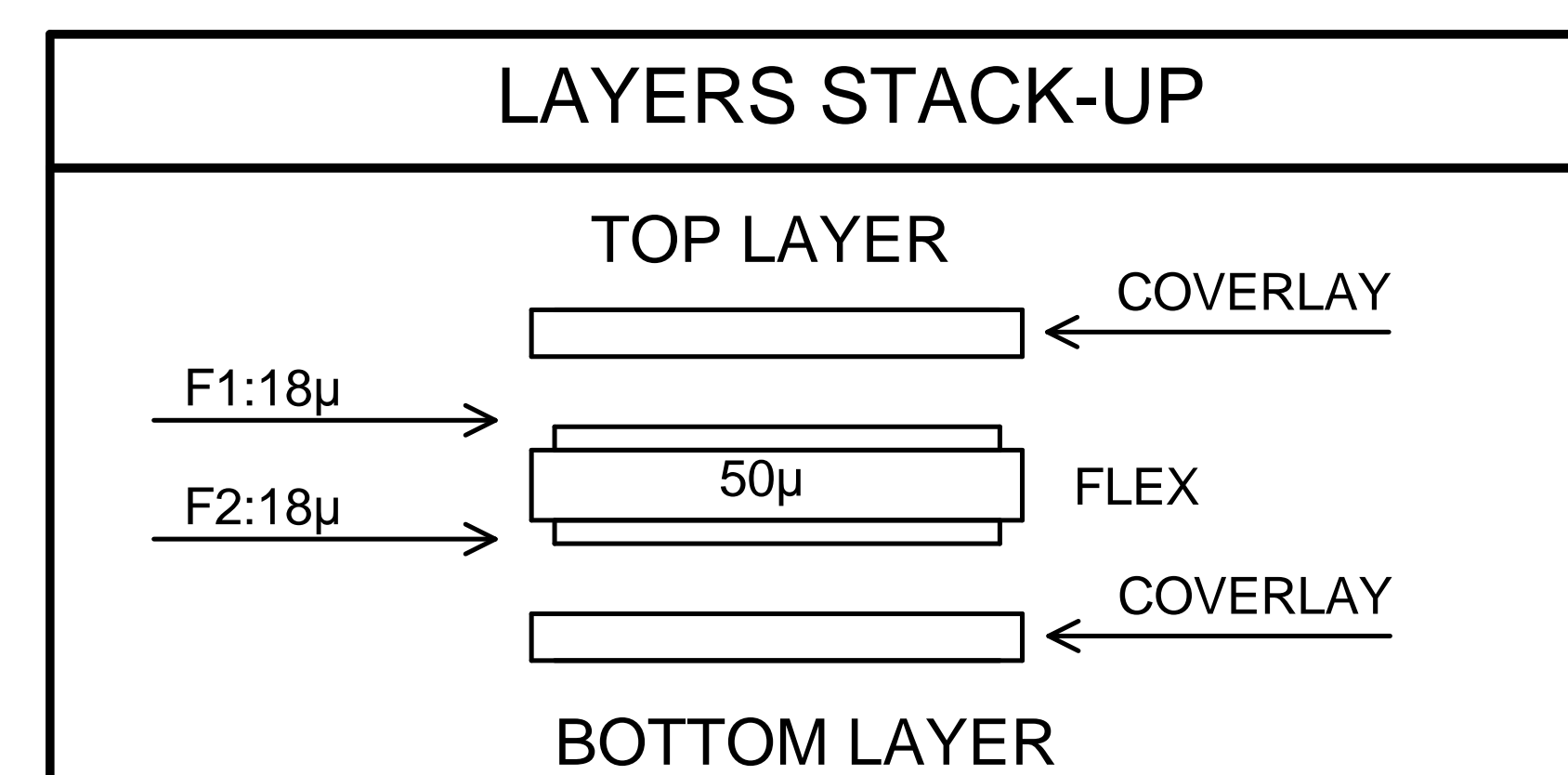
- PTH PAD : Finished Size
- PTH VIA : Drill Size
- Any NPTH : Drill Size

Hole Size Tolerance (unless otherwise specified):

PTH <1.6mm: +0.1/-0.05 PTH >1.6mm: +0.15/-0.1
NPTH: +/-0.1

Vias: No requirement regarding to the finished hole size

WARNING:
Drill letters are only intended to provide an overview of the drill map. They may not match with the exact holes location. They shall not be used for drill process.



BOARD DESIGN DEFAULT PARAMETERS		
SPECIFIED VALUES ARE MINIMUM. USED VALUES MAY BE LARGER		
	EXTERNAL LAYERS	INTERNAL LAYERS
PLATED HOLES MIN. ANNULAR RING	FINISHED HOLE + 0.30mm	N/A
VIA MINIMUM ANNULAR RING	DRILL HOLE + 0.15mm	N/A
HOLE TO HOLE MINIMUM CLEARANCE	0.35mm 0.25mm FOR 0.5mm NPTH HOLES	

MINIMUM TRACK WIDTH	0.20mm GENERAL 0.15mm IN ANTENNA AREA
MINIMUM CLEARANCE BETWEEN COPPER PARTS	0.20mm GENERAL 0.15mm IN ANTENNA AREA
MINIMUM CLEARANCE BETWEEN :	
NON-PLATED HOLES & COPPER PARTS :	0.5mm
BOARD EDGE & COPPER PARTS :	0.50mm
COVERLAY EXPANSION FROM PAD EDGE : 0.14mm	
VIAS : FULLY TENTED	
MINIMUM COVERLAY SLIVER : 0.20mm	

SPECIFIC PARAMETERS

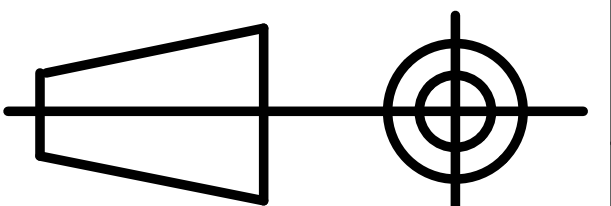

VIAS DRILL VALUE CAN BE ADJUSTED AT MANUFACTURER OPTION

0.5mm NPTH HOLES ARE ONLY FOR HANDLE STRIPS EASY REMOVING.
THEY OVERLAP BOARD OUTLINE

NOTES WHICH REFER TO IPC6013 SPECIFICATION
IMPLY USE OF DOCUMENT LAST REVISION

- 1- MANUFACTURING ACCORDING TO IPC-6013 CLASS 2
- 2- MATERIAL : DOUBLE-SIDED FLEX LAMINATE THICKNESS 50μ
- 3- HOLES PLATING : COPPER PLATING ACCORDING TO IPC-6013 RELATED TABLES
- 4- COPPER WEIGHT (STARTING FOIL) : SEE LAYERS STACK-UP. ACCORDING TO IPC-6013 RELATED TABLES
- 5- EXTERNAL LAYERS CHEMICAL PLATING: GOLD OVER NICKEL ACCORDING TO IPC6013 RELATED TABLE - CODE ENIG
- 6- COVERLAY :
COLOR : RED
- 7- SILK SCREEN PRINTING
EPOXYDE WHITE INK
- 8- PACKING PAPER WITH CORROSION INHIBITOR
- 9- RoHS COMPLIANT PRODUCT



DATE	EVOLUTION		DESIGNER	REV	DATE	EVOLUTION		DESIGNER	REV			
TITLE : FLEX ST25DV SO8							GENERAL TOL. +/- 0,2					
DOCUMENT : DRILL DRAWING												
	SCALE : 1/1		DRAWN : BE TECH		CHECKED		APPROVED					
	UNIT. : mm		DATE : 07/01/2021									
 ST MICROELECTRONICS 635 ROUTE DES LUCIOLES 06560 VALBONNE FRANCE			DOCUMENT REFERENCE									
			PART NUMBER					FORMAT		SHEET		
			MB1555					3		01/01		
												C