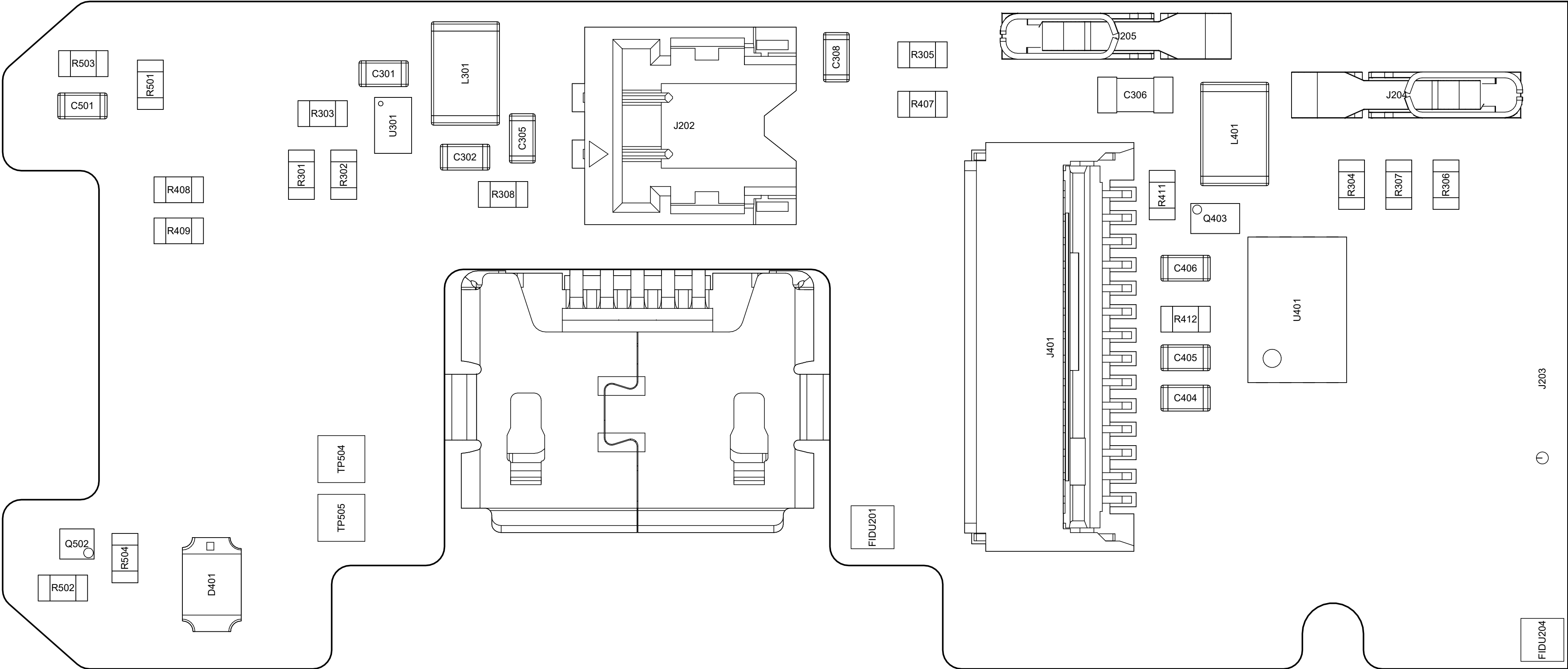


UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES:				CUSTOMER/PROJECT: Innovation Zed		DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION:
							BOARD: EFM 1.5	
							TITLE: Drawings for 105358-3BA001-02	
NAME		SIGNATURE		DATE				
DRAW		KaKa		01-12-2017				
CHKD								
APPVD								
MFG								
QA								
						MATERIAL/FINISH: ENIG	DWG NO. 105358-3CD001-01	
							A2	
						WEIGHT:	SCALE 1:1	
							SHEET 1 OF 6	

Top Assembly Drawing

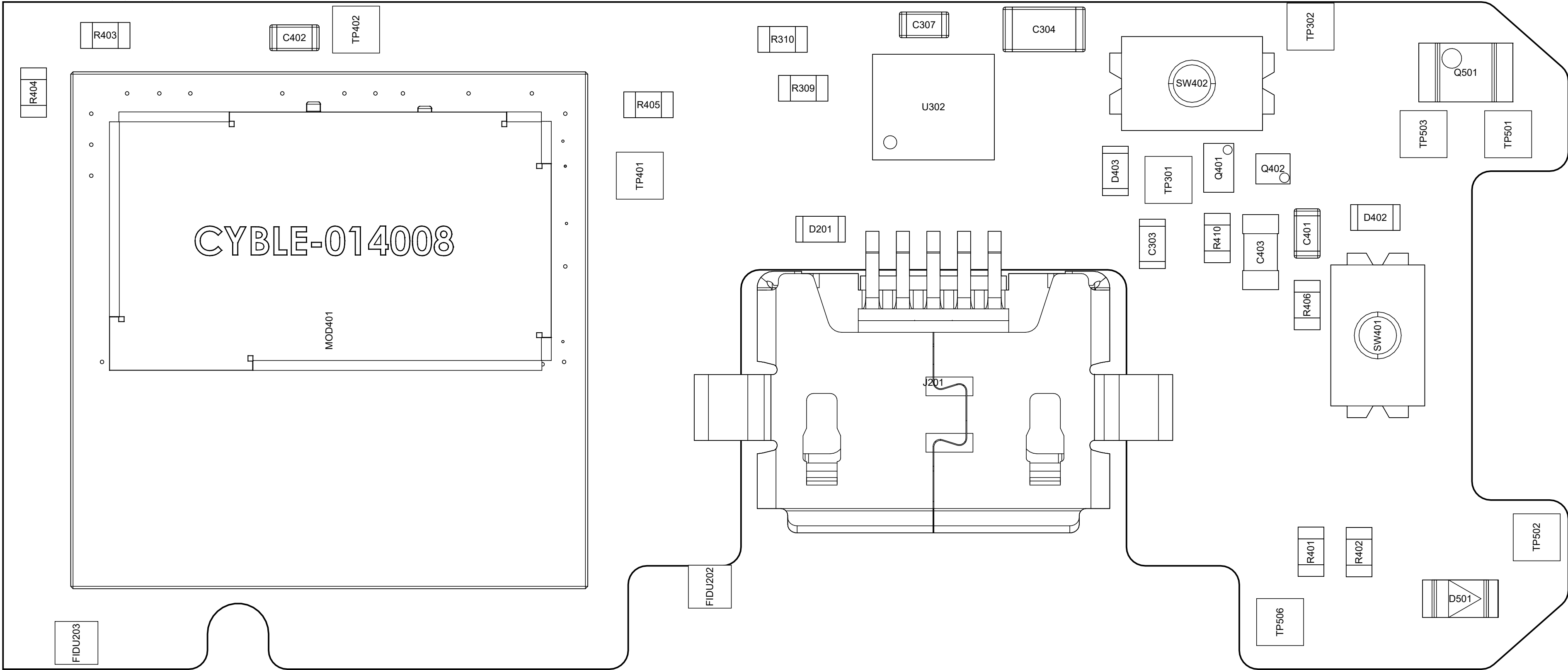
View from Top side (Scale 15)



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DRAW	KaKa					01-12-2017	DWG N0. 105358-3CD001-01	
CHKD								
APPVD								
MFG								
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Bottom Assembly Drawing

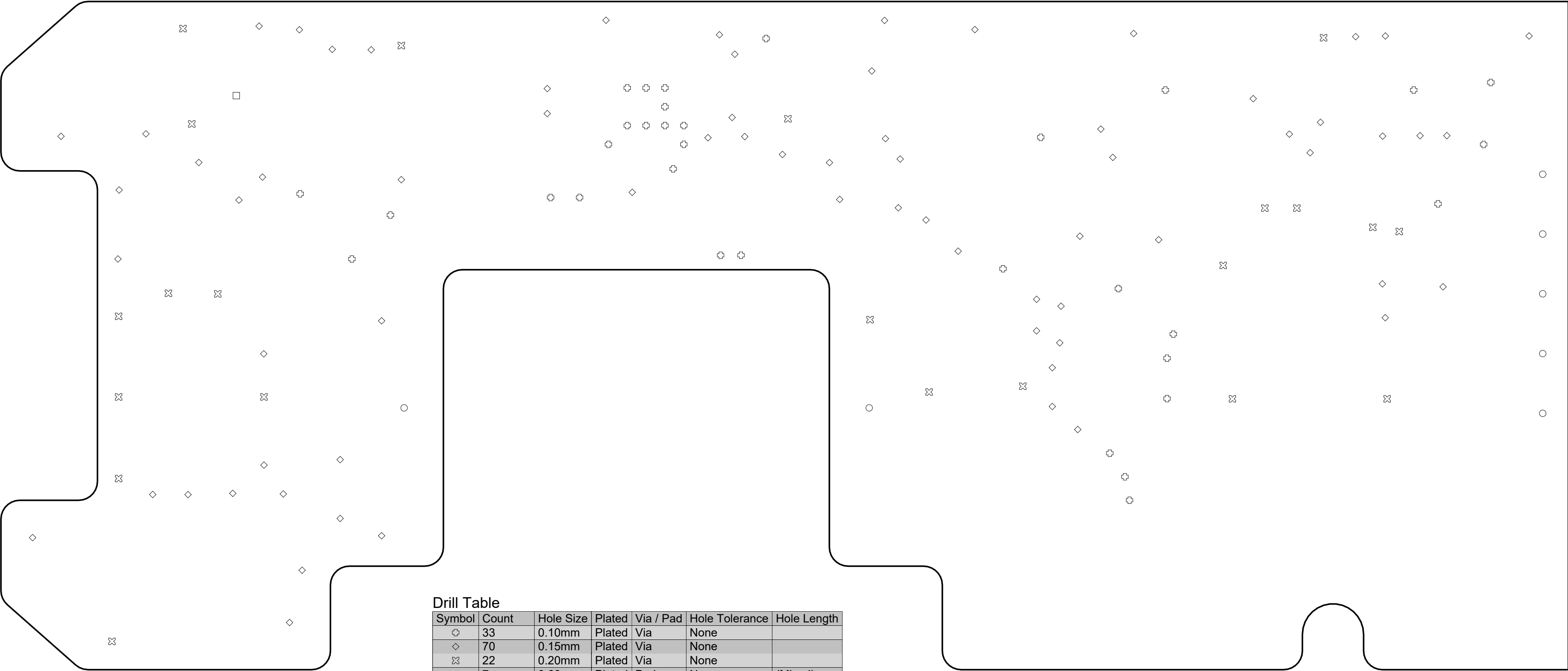
View from Bottom side (Scale 15)



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			NAME	SIGNATURE	DATE		TITLE:	Drawings for 105358-3BA001-02	
DRAW	KaKa				01-12-2017				
CHKD									
APPVD									
MFG									
QA						MATERIAL/FINISH: ENIG	DWG NO.	105358-3CD001-01	A2
						WEIGHT:	SCALE 1:1	SHEET 3 OF 6	

Drill Drawing View

Drill Drawing View (Scale 15)



Drill Table

Symbol	Count	Hole Size	Plated	Via / Pad	Hole Tolerance	Hole Length
⊕	33	0.10mm	Plated	Via	None	
◇	70	0.15mm	Plated	Via	None	
⊗	22	0.20mm	Plated	Via	None	
○	7	0.60mm	Plated	Pad	None	(Mixed)
□	1	1.30mm	Plated	Pad	None	
	133 Total					

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		BOARD: EFM 1.5				
	NAME	SIGNATURE		DATE	TITLE:	
DRAW	KaKa			01-12-2017	Drawings for 105358-3BA001-02	
CHKD						
APPVD						
MFG						
QA				MATERIAL/FINISH: ENIG	DWG NO.	105358-3CD001-01
				WEIGHT:	SCALE 1:1	SHEET 4 OF 6


1

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
Surface Material	Top Paste			Paste Mask	GTP
Surface Material	Top Solder	0.018mm(1mil)	Solder Resist	Solder Mask	GTS
Copper	Component Side	0.036mm(1mil)		Signal	GTL
Prepreg		0.064mm(2mil)	FR-4	Dielectric	
Copper	Inner Layer 1	0.036mm(1mil)		Signal	G1
Prepreg		0.064mm(2mil)	FR-4	Dielectric	
Copper	Ground Plane (GND)	0.036mm(1mil)		Internal Plane	GP1
Core		0.508mm(20mil)	FR-4	Dielectric	
Copper	Power Plane (VCC)	0.036mm(1mil)		Internal Plane	GP2
Prepreg		0.064mm(2mil)	FR-4	Dielectric	
Copper	Inner Layer 2	0.036mm(1mil)		Signal	G2
Prepreg		0.064mm(2mil)	FR-4	Dielectric	
Copper	Solder Side	0.036mm(1mil)		Signal	GBL
Surface Material	Bottom Solder	0.018mm(1mil)	Solder Resist	Solder Mask	GBS
	Bottom Paste			Paste Mask	GBP
Total thickness: 1.011mm(40mil)					

Solder Mask Color – Black
Surface treatment- Electroless Nickel Immersion Gold (ENIG)
OverLay Text Color- None

8

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					BOARD: EFM 1.5				
	NAME	SIGNATURE		DATE	TITLE: Drawings for 105358-3BA001-02				
DRAW	KaKa			01-12-2017					
CHK'D									
APPV'D									
MFG									
QA				MATERIAL/FINISH: ENIG	DWG NO. 105358-3CD001-01			A2	
					WEIGHT:	SCALE 1:1			SHEET 5 OF 6

1

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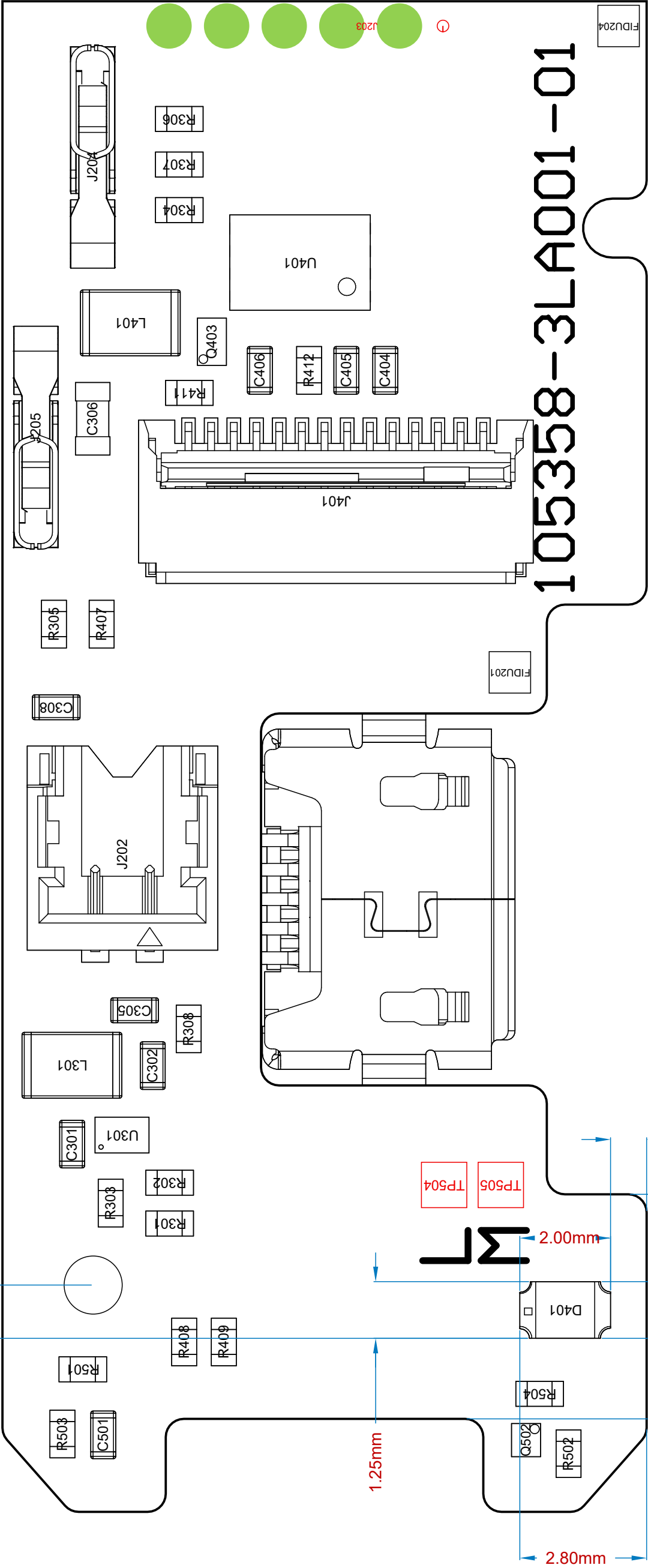
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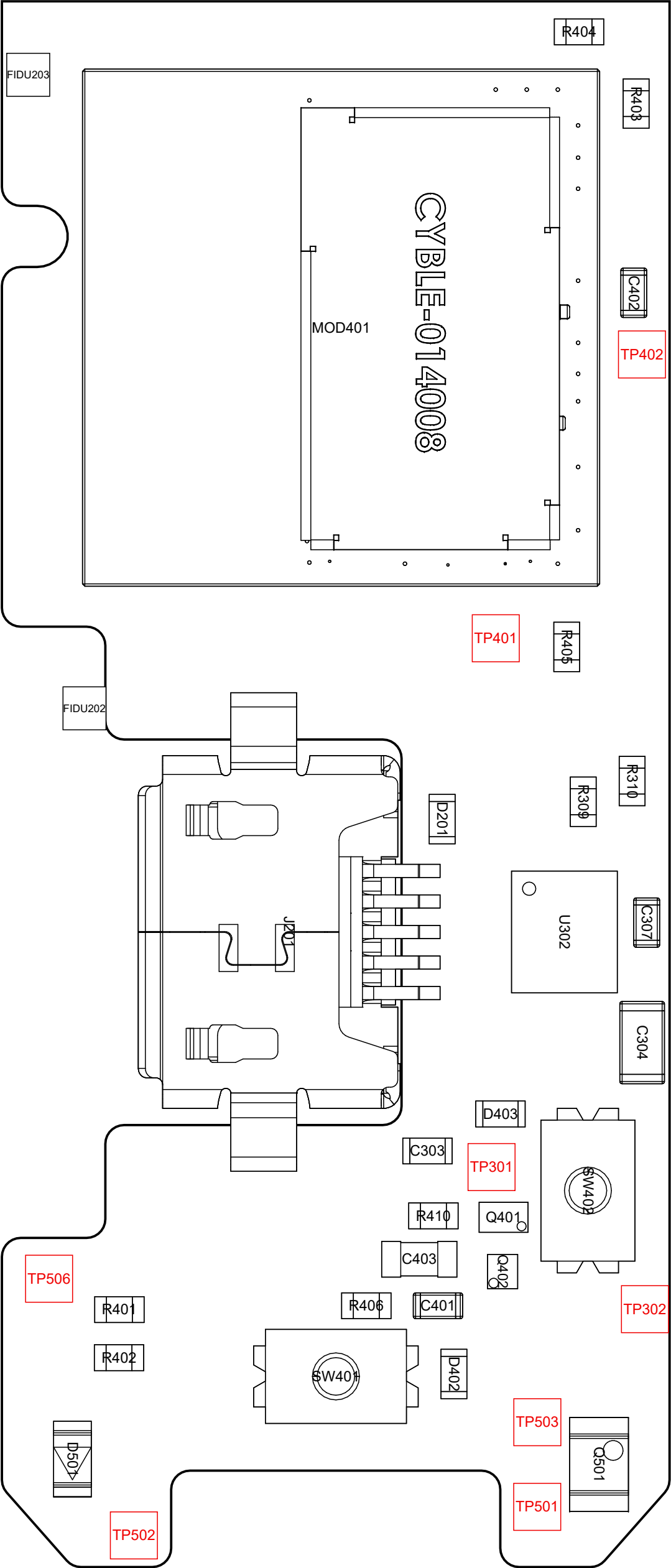
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Test Points

View from Top side (Scale 10)



View from Bottom side (Scale 10)



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DRAW	NAME	SIGNATURE	DATE	TITLE:				
CHKD	KaKa		01-12-2017	Drawings for 105358-3BA001-02				
APPVD								
MFG								
QA								
				MATERIAL/FINISH: ENIG		DWG NO. 105358-3CD001-01		A2
				WEIGHT:		SCALE 1:1		SHEET 6 OF 6