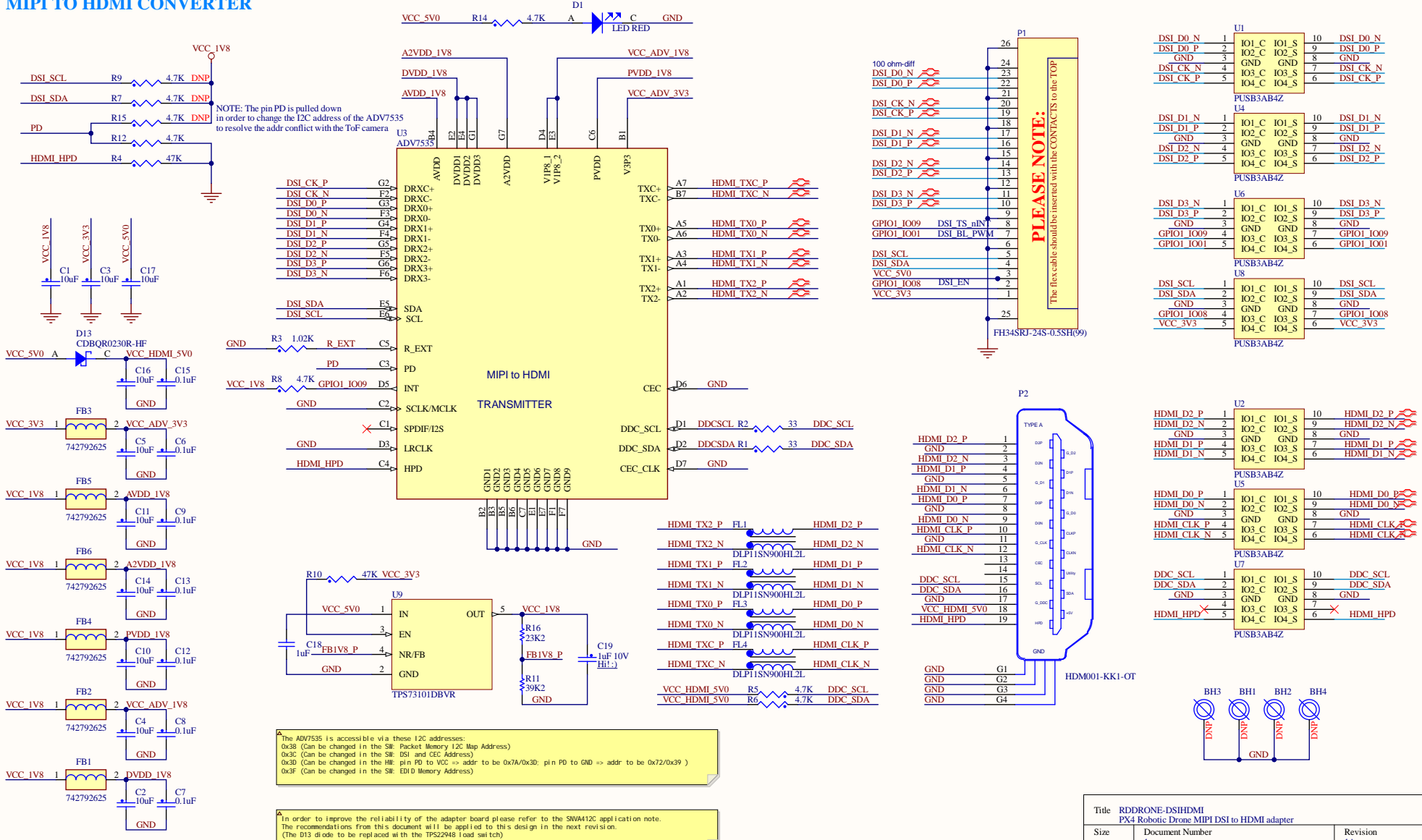
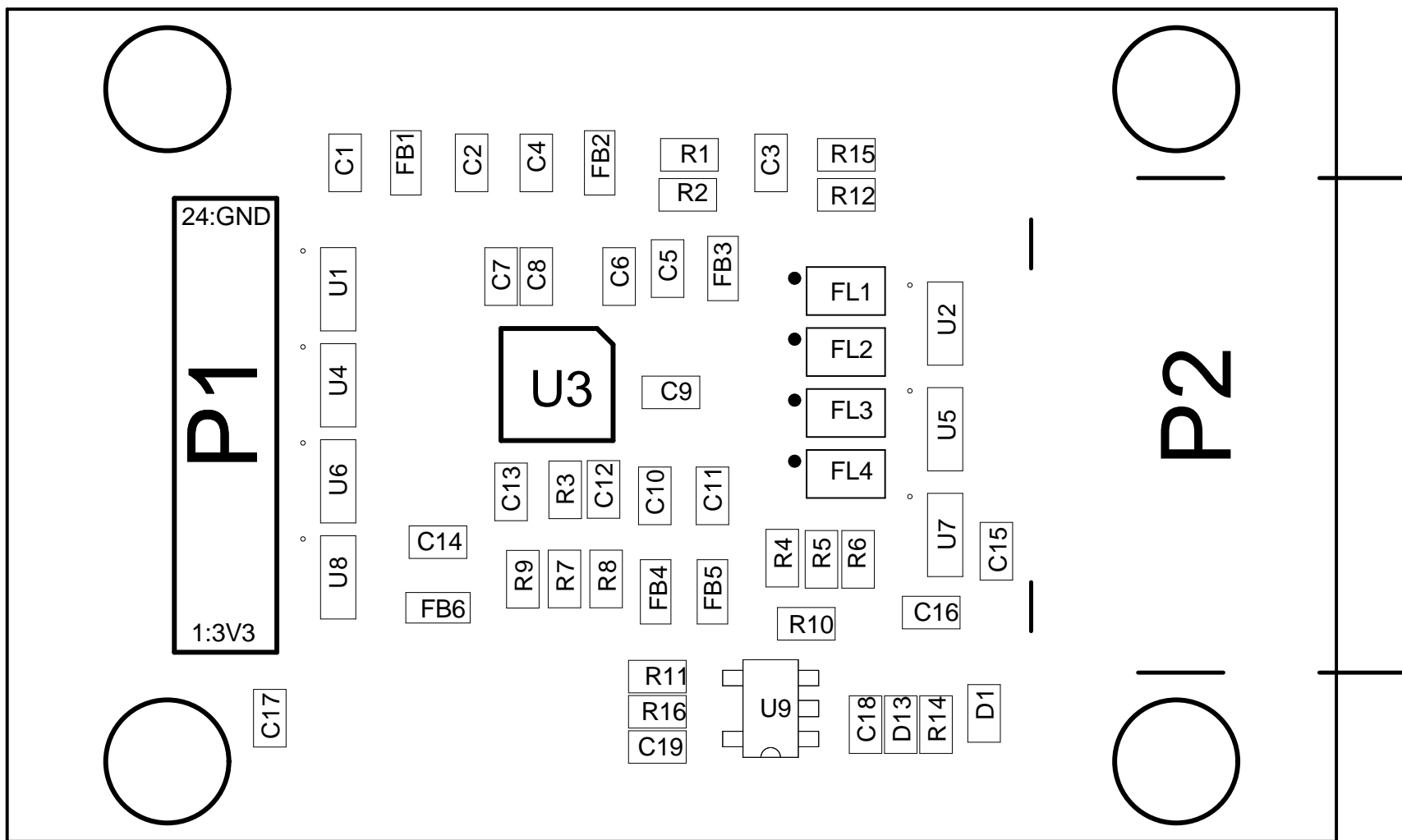


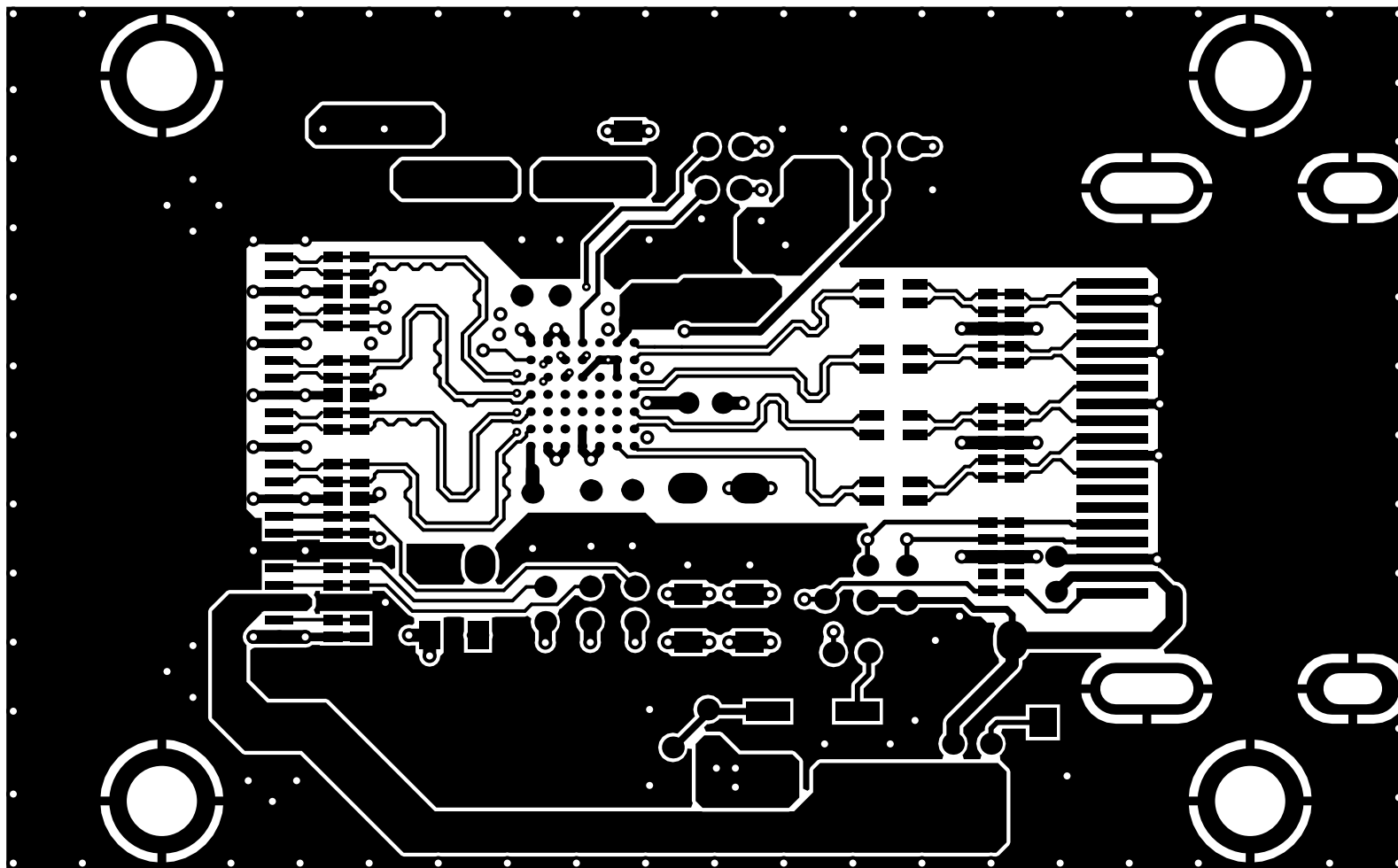
MIPI TO HDMI CONVERTER



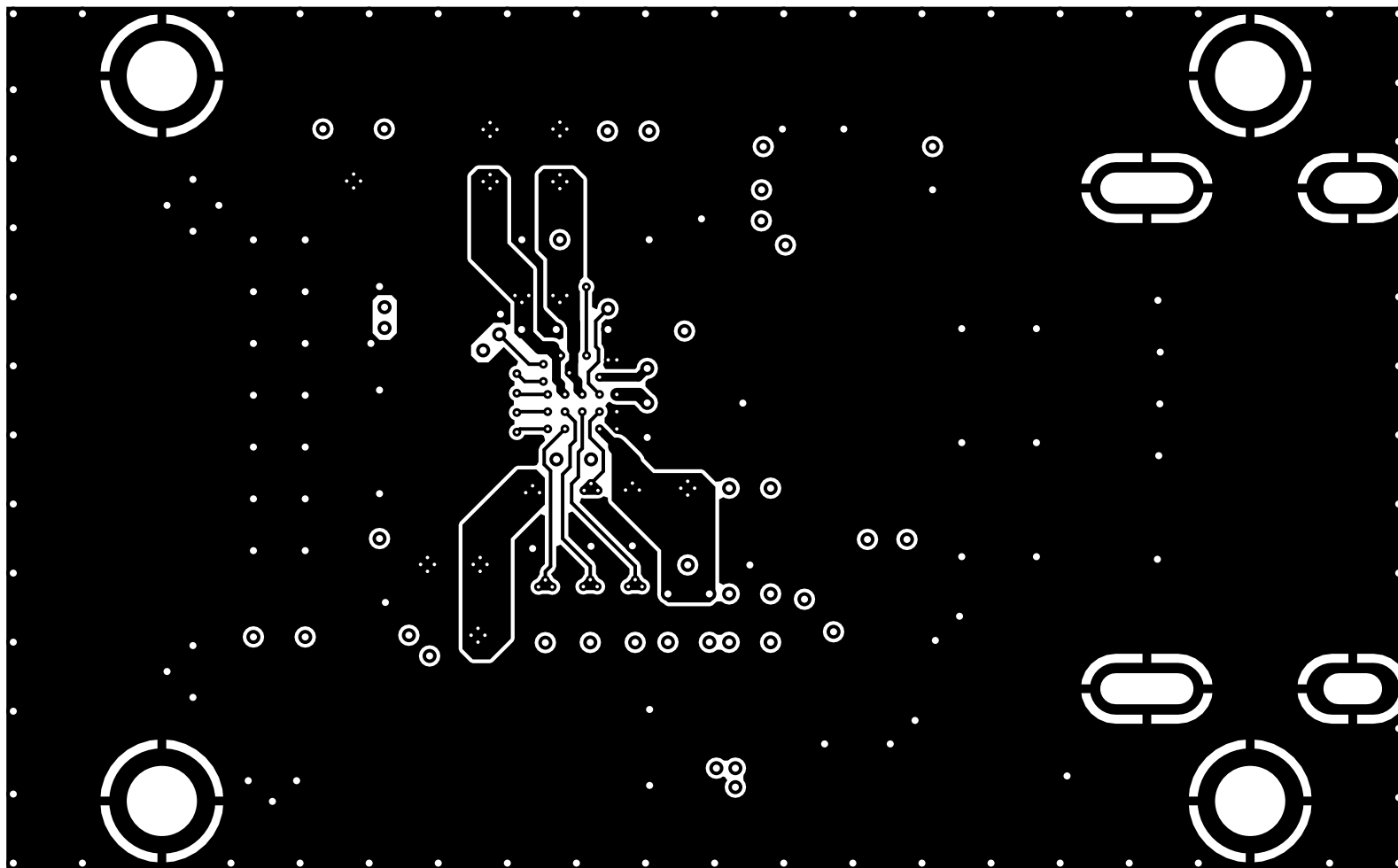
Title RDDRONE-DSIHDMI PX4 Robotic Drone MIPI DSI to HDMI adapter		
Size	Document Number	Revision
1	1	1A
Date 6/24/2020	Sheet 1 of 1	
File RDDRONE-MIPHDMI-1A.SchDoc		Drawn By Andrew Bushuev



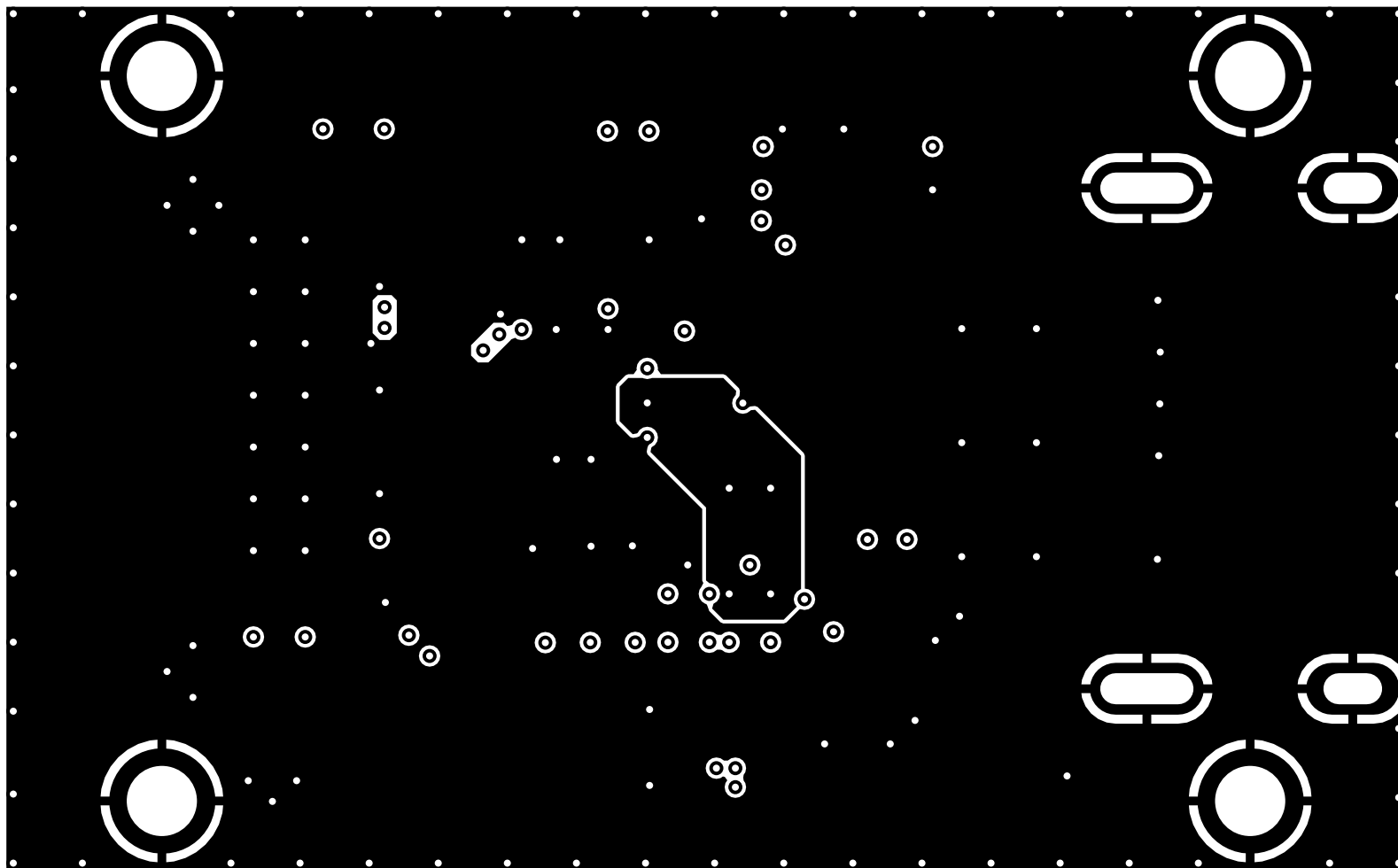
ASSEMBLY TOP



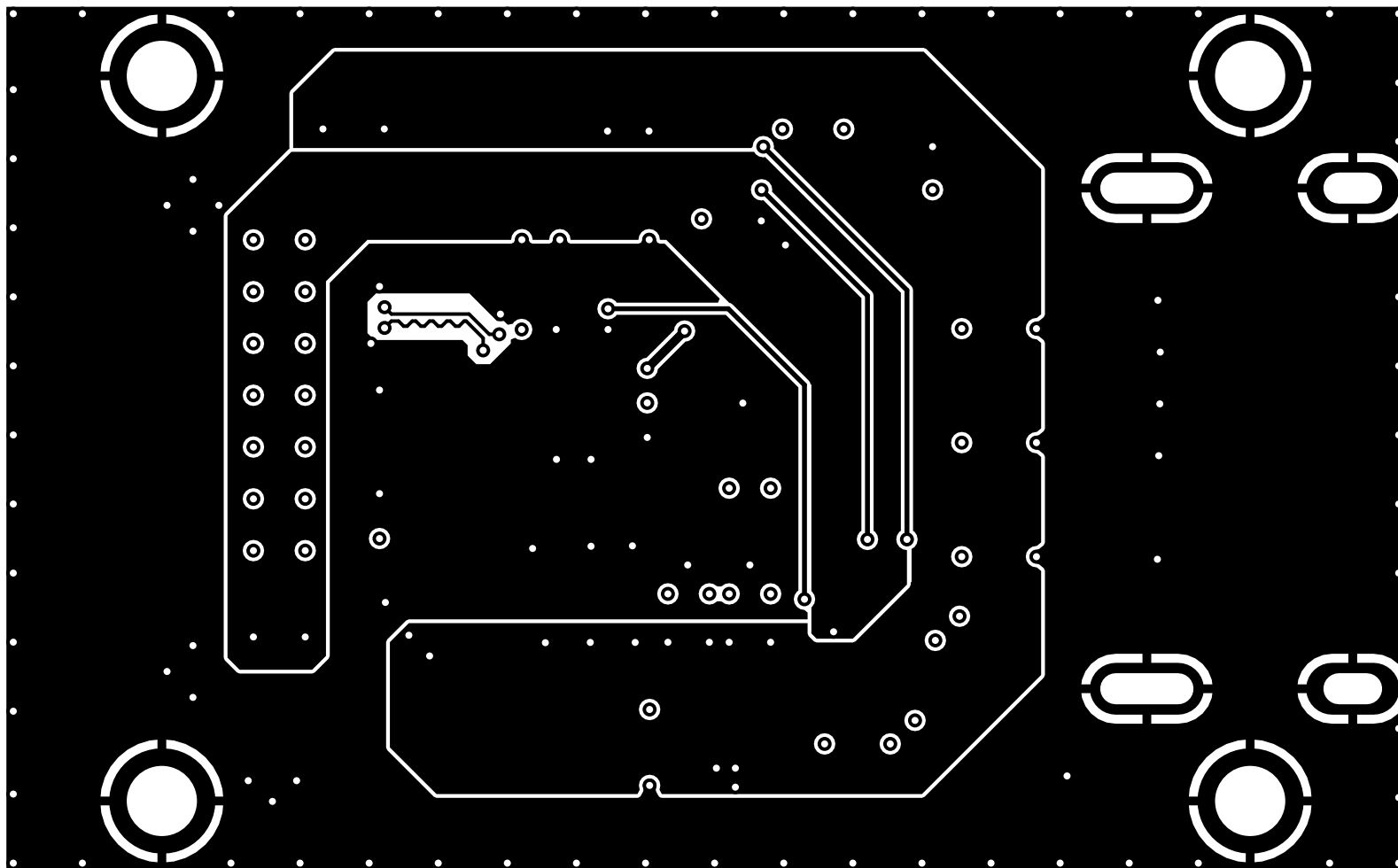
LAYER1 - TOP



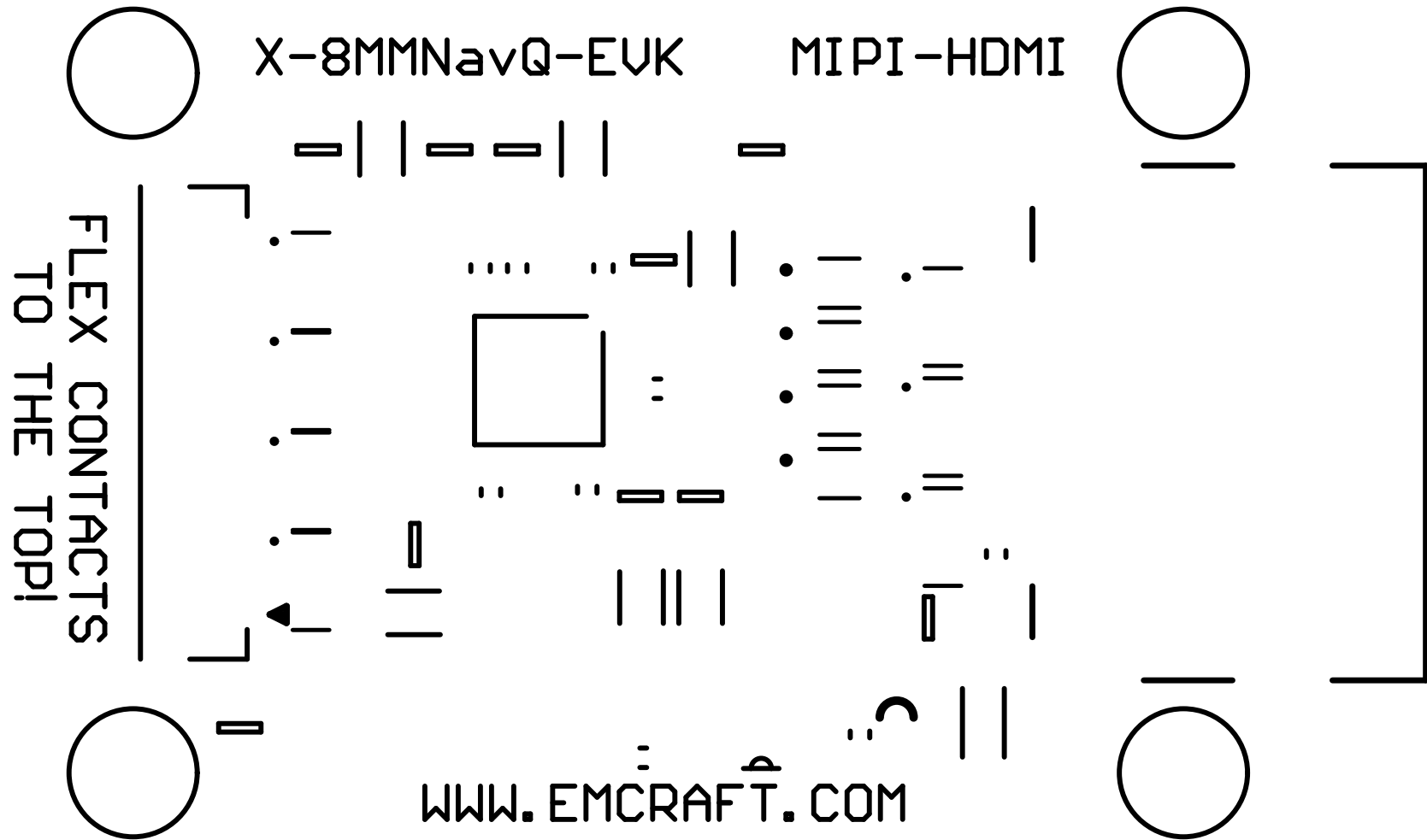
LAYER 2 - GROUND PLANE



LAYER 3 - POWER PLANE



LAYER 4 - BOTTOM LAYER

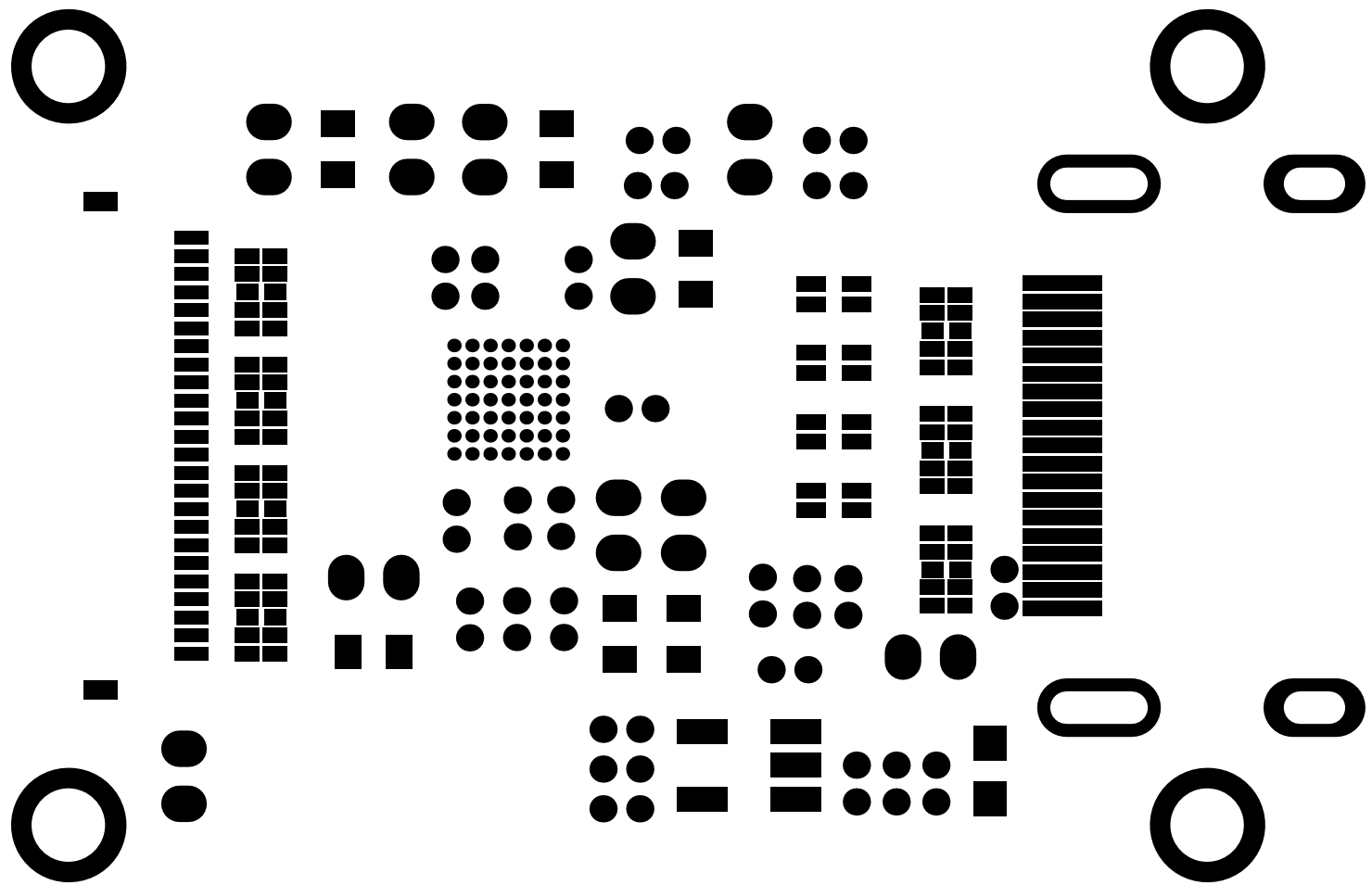


SILKSCREEN TOP

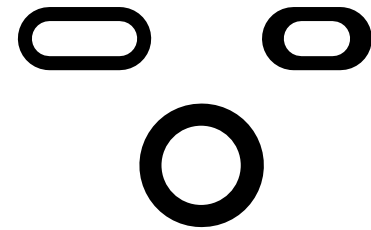
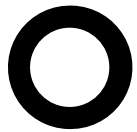
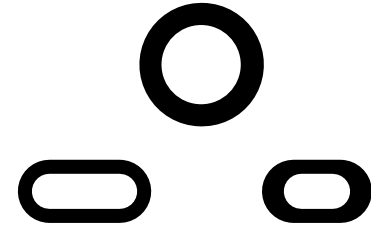
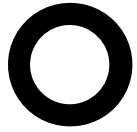
SILKSCREEN BOTTOM

MI IQIM

TUO IMQH



MASK TOP



MASK BOTTOM

Description	Quantity	ManType	Manufacturer	Designator	Notes
TH-0.6-3.0-M1.4 / https://www.mac8japan.com/products/458	4	TH-0.6-3.0-M1.4	Mac8	BH1, BH2, BH3, BH4	DNP
CAP CER 10UF 6.3V X5R 0603	10	885012106006	Würth Elektronik	C1, C2, C3, C4, C5, C10, C11, C14, C16, C17	
CAP CER 0.1UF 25V X5R 0402	7	885012105018	Würth Elektronik	C6, C7, C8, C9, C12, C13, C15	
CAP CER 1UF 10V X5R 0402	1	CL05A105MP5NNNC	Samsung	C18	
CAP CER 1UF 10V X5R 0402	1	885012105012	Würth Elektronik	C19	
LED RED SGL 1.7V 25MA 0603	1	150080RS75000	Würth Elektronik	D1	
DIODE SCHOTTKY 30V 200MA 0402	1	CDBQR0230R-HF	Comchip Technology	D13	
FERRITE BEAD 120 OHM 0603 1LN	6	742792625	Würth Elektronik	FB1, FB2, FB3, FB4, FB5, FB6	
CMC 150MA 2LN 90 OHM SMD	4	DLP11SN900HL2L	Murata	FL1, FL2, FL3, FL4	
24 Position FFC, FPC Connector Contacts, Top and Bottom 0.020" (0.50mm) Surface Mount, Right Angle	1	FH34SRJ-24S-0.5SH(99)	Hirose Electric Co Ltd	P1	
CONN RCPT 19POS HDMI RT ANG SMD	1	HDM001-KK1-OT	PalConn	P2	
RES MF 33.0 OHM 1/16W 1% 0402	2	RMCF0402JT33R0	STACKPOLE	R1, R2	
RES SMD 1.02K OHM 1% 1/16W 0402	1	RC0402FR-071K02L	YAGEO	R3	
RES SMD 47K OHM 5% 1/16W 0402	2	RC1005J473CS	SAMSUNG	R4, R10	
RES 4.7K OHM 1/16W 5% 0402	3	RMCF0402JT4K70	STACKPOLE	R5, R6, R8	
RES 4.7K OHM 1/16W 5% 0402	3	RMCF0402JT4K70	STACKPOLE	R7, R9, R15	DNP
RES SMD 39.2K OHM 1% 1/16W 0402	1	RMCF0402FT39K2	STACKPOLE	R11	
RES 4.7K OHM 1/16W 5% 0402	2	RMCF0402JT4K70	STACKPOLE	R12, R14	
RES SMD 23.2K OHM 1% 1/16W 0402	1	RC0402FR-0723K2L	YAGEO	R16	
TVS DIODE 3.3V 5V DFN2510A-10	7	PUSB3AB4Z	Nexperia USA Inc.	U1, U2, U4, U5, U6, U7, U8	
IC HDMI XMTR MIPI/DSI RCVR 148.5MHz 1.8-3.3V WLCSP49	1	ADV7535BCBZ-RL	ANALOG DEVICES	U3	
IC REG LIN POS ADJ 150MA SOT23-5	1	TPS73101DBVR	Texas Instruments	U9	