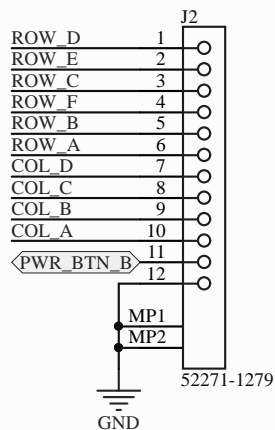


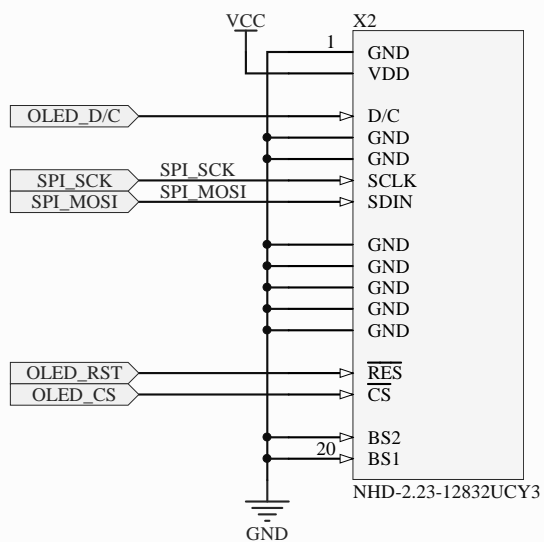
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Membrane Keypad FFC Connector

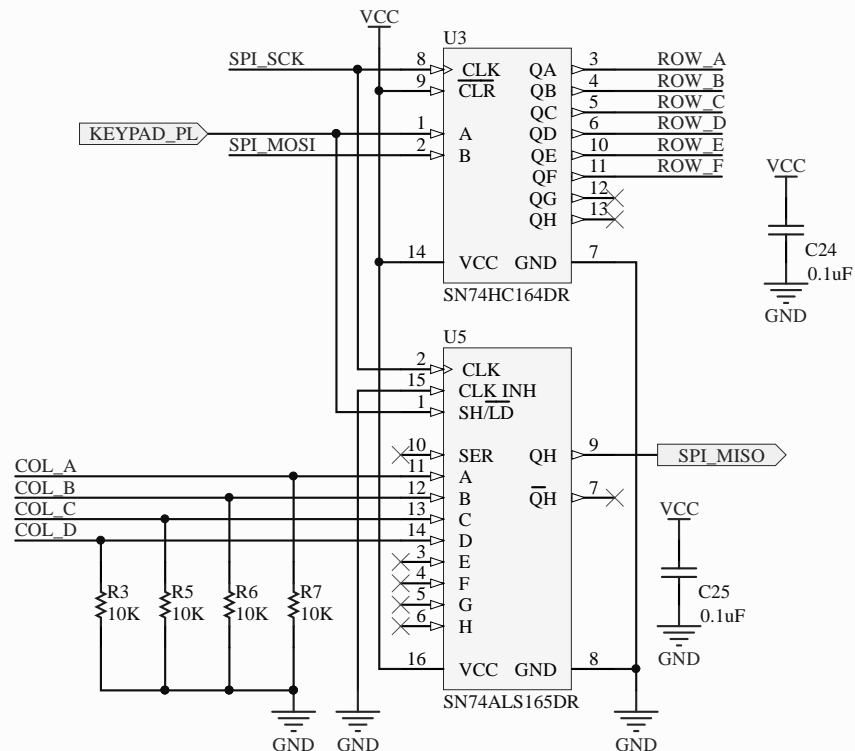


PWR_BTN_B goes to On/Off Circuit on Power Sheet

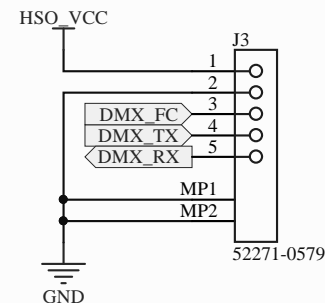
OLED Display



Keypad Shift Registers

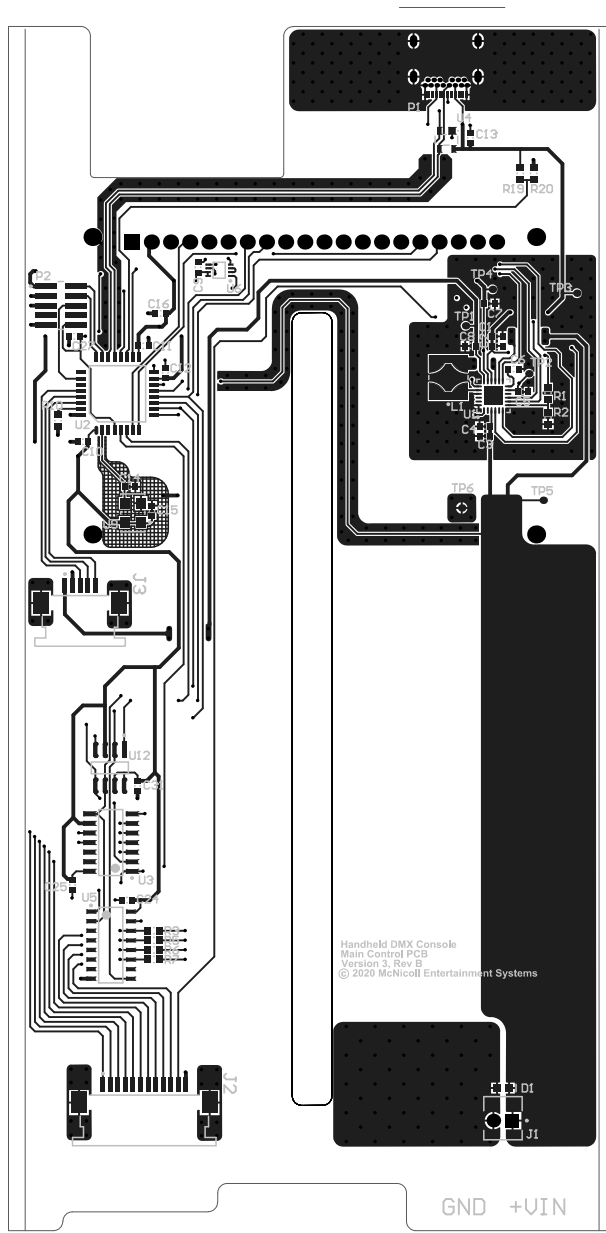


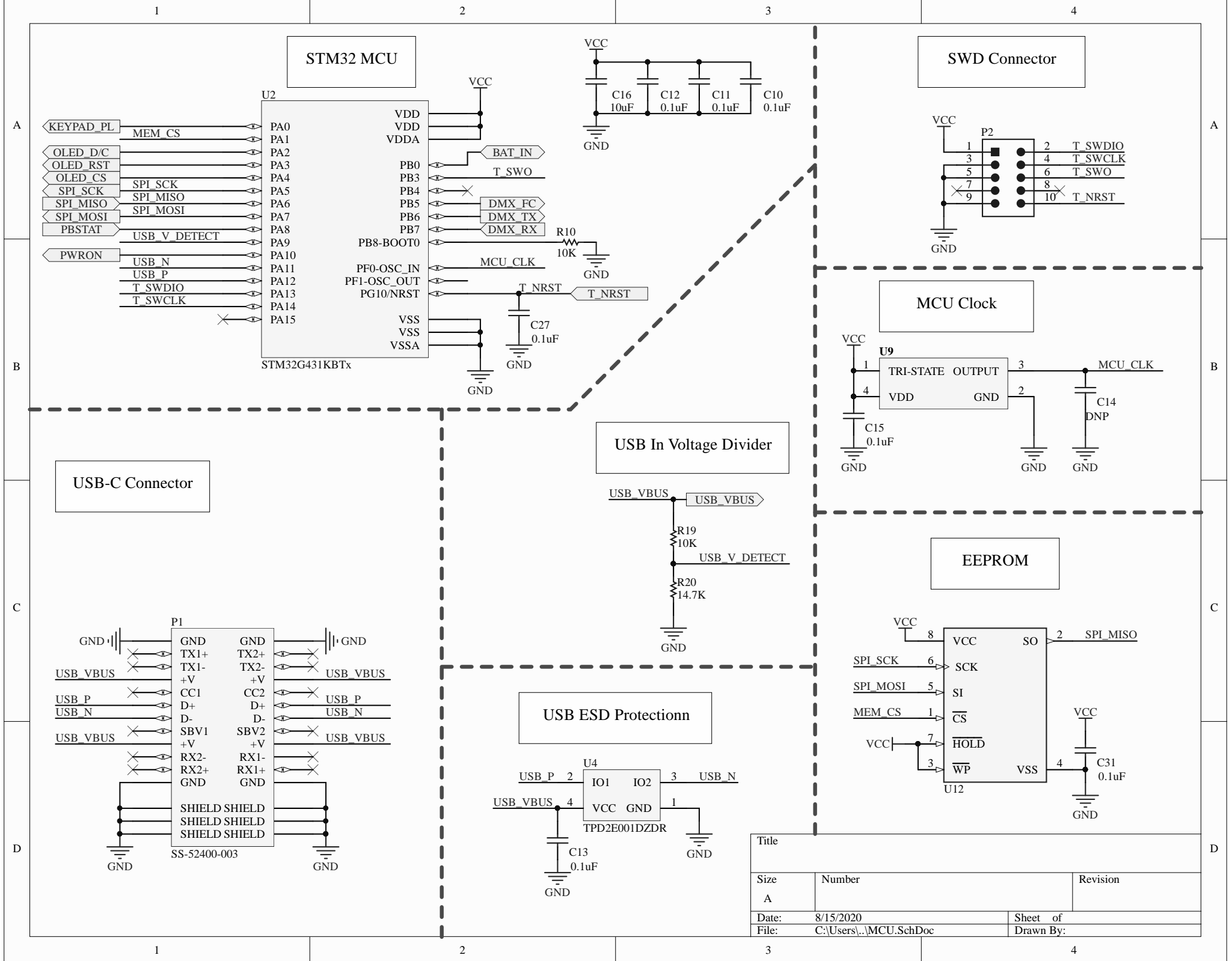
DMX Board Connector



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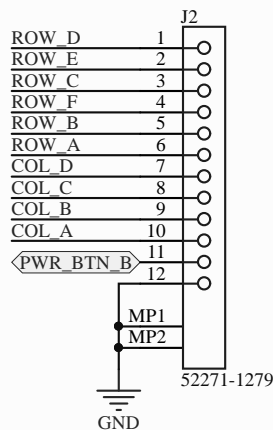
Quantity	Comment	Description	Designator	Footprint
1	52271-0579	1.0 mm Pitch Easy-On(TM) Type FPC Connector, 3.0 mm Mated Height, Right Angle, ZIF, SMT, Bottom Contact, 5 Circuits, -40 to 85 degC, ELV and RoHS Compliant, Tape and Reel	J3	MOLX-52271-0579
1	52271-1279	1.0 mm Pitch Easy-On(TM) Type FPC Connector, 3.0 mm Mated Height, Right Angle, ZIF, SMT, Bottom Contact, 12 Circuits, -40 to 85 degC, ELV and RoHS Compliant, Tape and Reel	J2	MOLX-52271-1279
1	LTC3101EUF#PBF	Wide Vin, Multi-Output DC/DC Converter and PowerPath Controller, 1.8 to 5.5 V Vin, 24-pin QFN (UF-24), -40 to 85 degC, Pb-Free	U1	LT-UF-24_N
1	SN74HC164DR	8-Bit Parallel-Out Serial Shift Registers, D0014A, LARGE T&R	U3	D0014A_M
1	SN74ALS165DR	Parallel-Load 8-Bit Serial Shift Registers, D0016A, LARGE T&R	U5	D0016A_L
1	SN74LVC2G74DCUR	Single Positive-Edge-Triggered D-Type Flip-Flop with Clear and Preset, DCU0008A, LARGE T&R	U6	DCU0008A_N
1	14.7K	Jumper 0603 (1608 Metric)	R20	RESC0603(1608)_N
1	1M 1%	Jumper 0603 (1608 Metric)	R1	RESC0603(1608)_N
1	221K 1%	Jumper 0603 (1608 Metric)	R2	RESC0603(1608)_N
6	10K	Jumper 0603 (1608 Metric)	R3, R5, R6, R7, R10, R19	RESC0603(1608)_N
1	DNP	CAP 27pF 16V ±0.5pF 0603 (1608 Metric) Thickness 1mm SMD	C14	CAPC0603(1608)10 0_L
13	0.1uF	CAP 27pF 16V ±0.5pF 0603 (1608 Metric) Thickness 1mm SMD	C2, C4, C6, C9, C10, C11, C12, C13, C15, C24, C25, C27, C31	CAPC0603(1608)10 0_L
6	10uF	CAP 27pF 16V ±0.5pF 0603 (1608 Metric) Thickness 1mm SMD	C1, C3, C5, C7, C8, C16	CAPC0603(1608)10 0_L
1	TPD2E001DZDR	Low-Capacitance 2 Channel ESD-Protection Array for High-Speed Data Interface, 0.9 to 5.5 V, -40 to 85 degC, 4-Pin SOP (DZD), Green (RoHS & no Sb/Bi), Tape and Reel	U4	DZD0004A_N
1	FTSH-105-01-F-DV-K	Male Header, Pitch 1.27 mm, 2 x 5 Position, Height 6.12 mm, RoHS, Tube	P2	SMTC-FTSH-105-01-L-DV-K_V
1	640456-2	Male Header, Pitch 2.54 mm, 1 x 2 Position, Height 10.49 mm, Tail Length 3.556 mm, -55 to 105 degC, RoHS, Bulk	J1	TECO-640456-2_V
1	XLH536024.000000	Clock Oscillator, 3.3 V, 25 MHz, -55 to 125 degC, 4-Pin SMD, RoHS, Tape and Reel	U9	ECS-396X_V
1	XGD10603MR	ESD Protector Overvoltage Protection Device, 0.25 pF, 24 V, -55 to 125 degC, 2-Pin SMD (0603), RoHS, Tape and Reel	D1	TECO-0603_V
1	SD12-4R7-R	SD Series High Power Density, Low Profile, Shielded Inductor, 4.7 uH, -40 to 85 degC, 2-Pin SMD, RoHS, Tape and Reel	L1	EATN-SD12_V
1	CAT25640VI-GT3	IC EEPROM 256K SPI 20MHZ 8SOIC	U12	FP-CAT25640VI-GT3-IPC_B
1	NHD-2.23-12832UCY3		X2	NHD-2.23-12832UCY3
1	SS-52400-003		P1	SS-52400-00X
1	STM32G431KBTx		U2	LOFP32





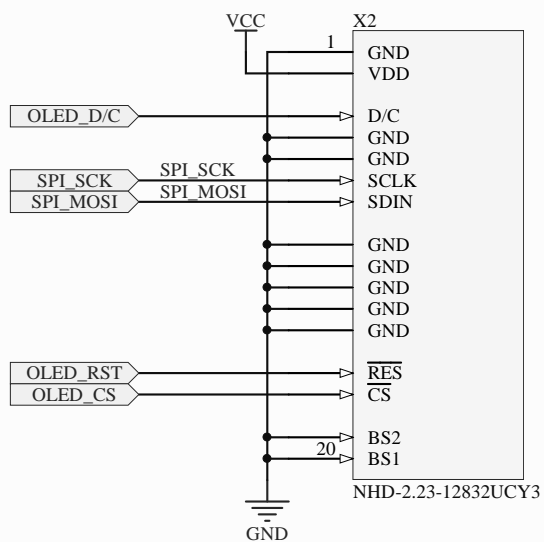
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Membrane Keypad FFC Connector

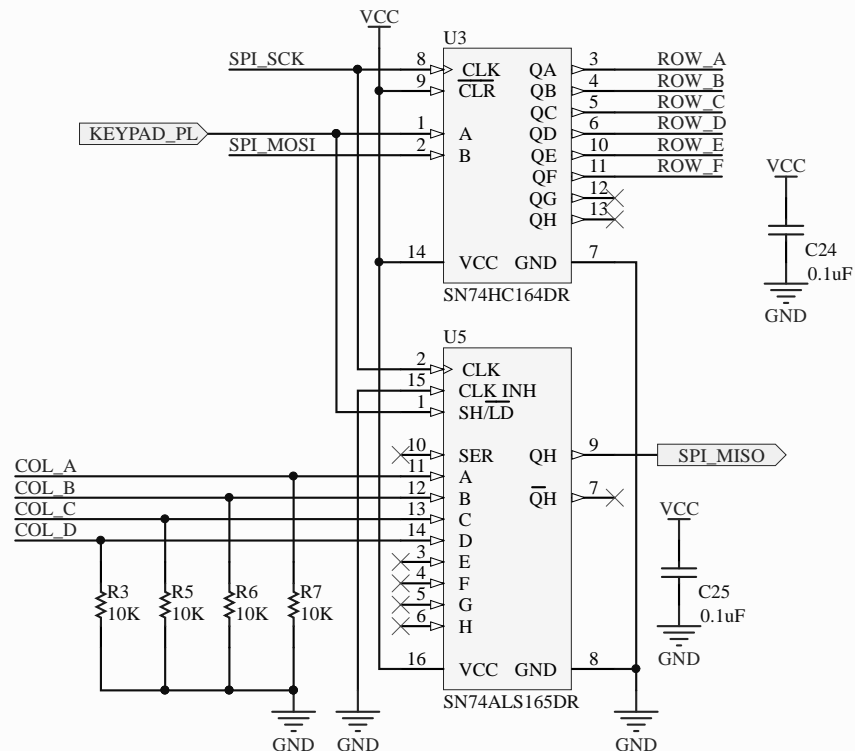


PWR_BTN_B goes to On/Off Circuit on Power Sheet

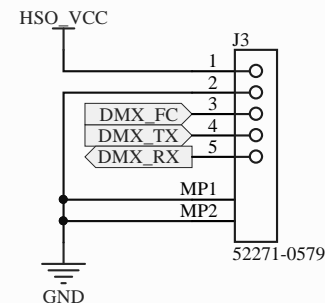
OLED Display



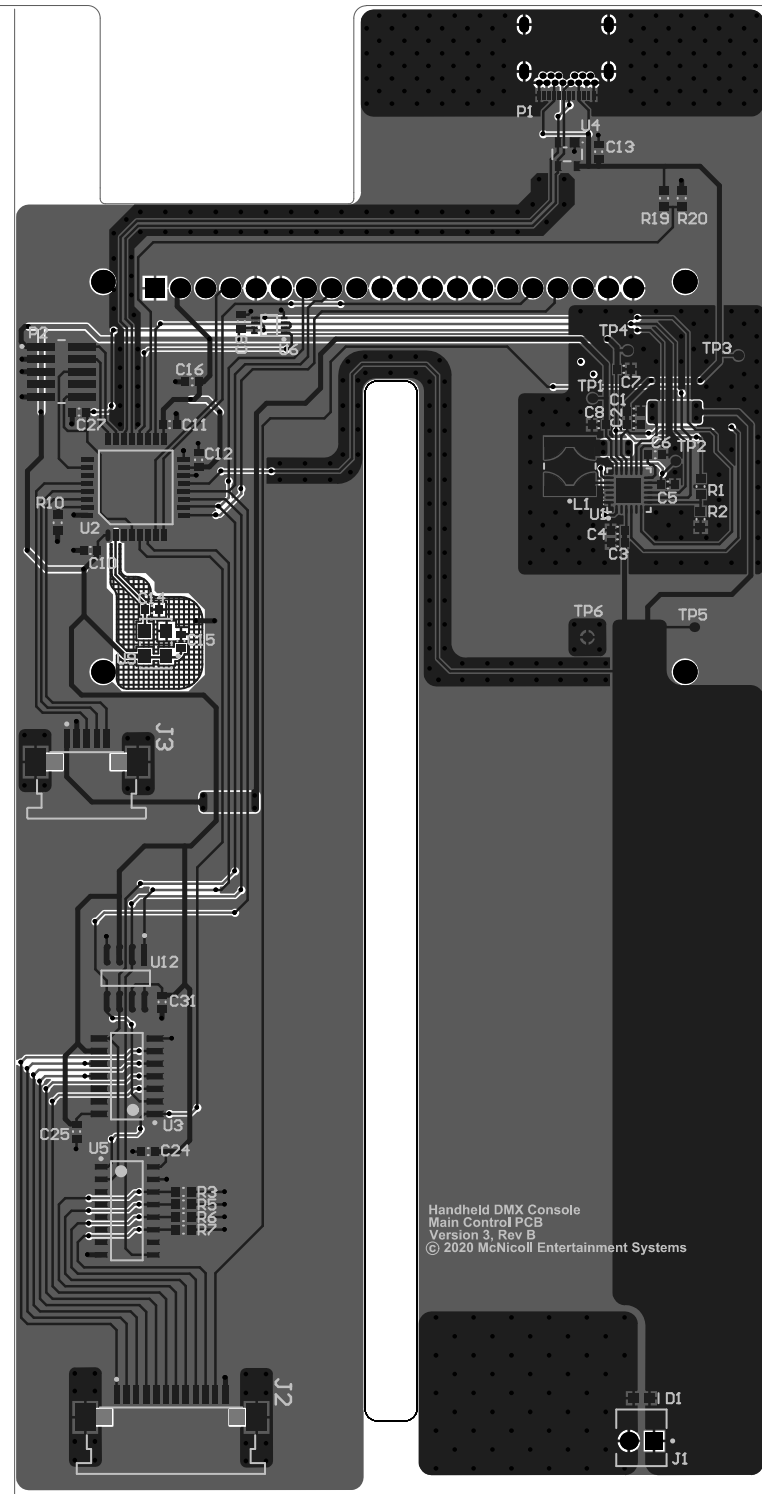
Keypad Shift Registers



DMX Board Connector



Title		
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Handheld DMX Console
Main Control PCB
Version 3, Rev B
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GND +VIN

