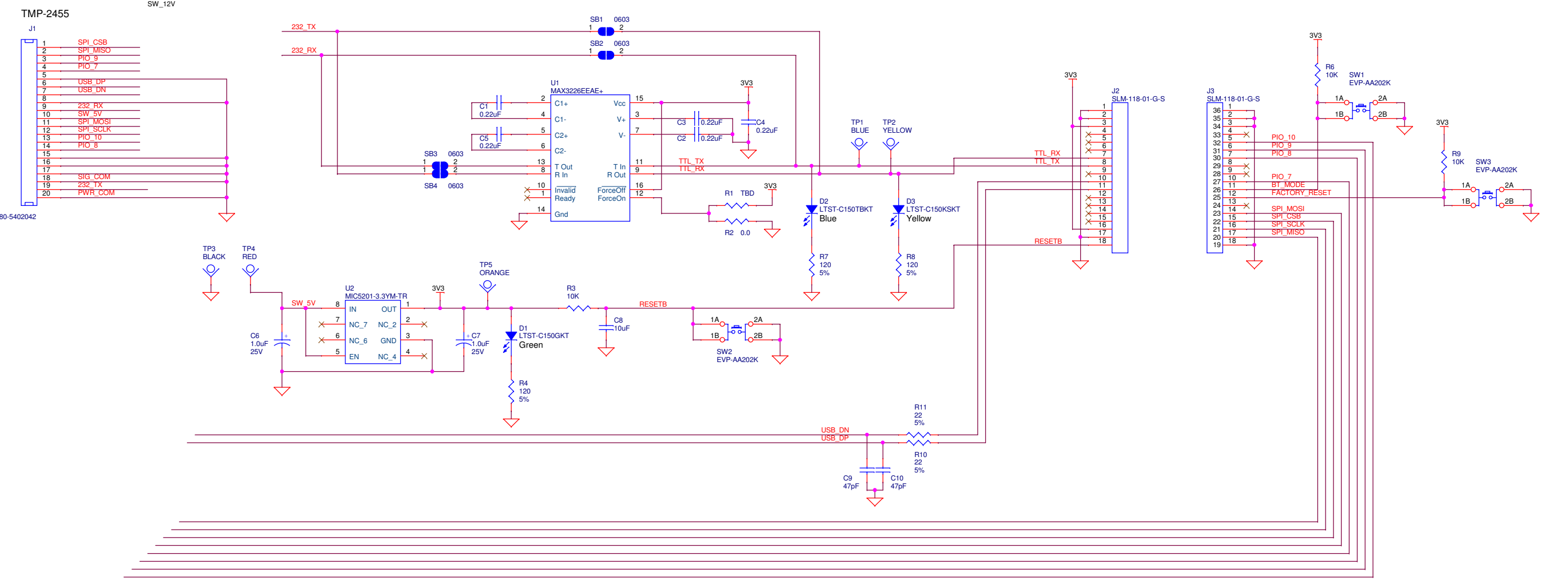




Layout Notes:

Maximum board size ~ 1.5" x 3.0"

Mounting holes in each corner (#4 screws)

Harwin connector (J1) at one end.
Sena module (J2 & J3) at the other end.

J2 and J3 physical placement match the Sena BCD110 module.

Passives can be installed on back side of pcb

Leave a rectangular silkscreen area for serial numbers.

Additional Silkscreening:
TP1: "TX"
TP2: "RX"
TP3: "GND"
TP4: "VIN"
TP5: "3V3"

Reference Notes:

D1: 3.3V Indicator (Green)
Remove R4 to save power
D2: TxD Indicator (Blue)
Remove R7 to save power
D3: RxD Indicator (Yellow)
Remove R8 to save power

SW1: Pairing Button
SW2: Reset Button
SW3: Factory Reset Button

TP1: Sena Module Txd (TTL) [Blue]
TP2: Sena Module Rxd (TTL) [Yellow]
TP3: Common Return [Black]
TP4: Switched 12V from Power Switch Board [Red]
TP5: 3.3V [Orange]

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Population Notes:

Short SB1 & SB2 for EIA 232 levels
Short SB3 & SB4 for TTL 232 levels

Install R1 (0 ohms) for Manual Control
Install R2 (0 ohms) for Autoshtutdown



Monterey Bay Aquarium Research Institute

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Title

CPB Sena Bluetooth Carrier Board

Engineer	Size	Document Number	Layout File	Rev
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