

## Smart Shunt Meter BOM

PART NUMBER	DESCRIPTION	QTY.	Link
Top Enclosure	3D Print Enclosure	1	
Bottom Enclosure	3D Print Enclosure	1	
Display Bezel	3D Print Bezel	1	
Front Panel	Laser Cut Panel	1	
Rear Panel	Laser Cut Panel	1	
93365A132	6-32 Heat Insert	12	<a href="https://www.mcmaster.com/93365A132/">https://www.mcmaster.com/93365A132/</a>
94639A704	3/16" Nylon Spacer	4	<a href="https://www.mcmaster.com/94639A704/">https://www.mcmaster.com/94639A704/</a>
92745A374	4-40x3/8 Standoff	3	<a href="https://www.mcmaster.com/92745A374/">https://www.mcmaster.com/92745A374/</a>
92319A874	4-40x5/8 Standoff	3	<a href="https://www.mcmaster.com/92319A874/">https://www.mcmaster.com/92319A874/</a>
91255A107	4-40x5/16 Screw	8	<a href="https://www.mcmaster.com/91255A107/">https://www.mcmaster.com/91255A107/</a>
91255A108	4-40x3/8 Screw	6	<a href="https://www.mcmaster.com/91255A108/">https://www.mcmaster.com/91255A108/</a>
91255A112	4-40x5/8" Screw	8	<a href="https://www.mcmaster.com/91255A112/">https://www.mcmaster.com/91255A112/</a>
91255A145	6-32x5/16" Screw	12	<a href="https://www.mcmaster.com/91255A112/">https://www.mcmaster.com/91255A112/</a>
90675A005	4-40 KEPS Locknut	16	<a href="https://www.mcmaster.com/90675A005/">https://www.mcmaster.com/90675A005/</a>
90675A009	8-32 KEPS Locknut	4	<a href="https://www.mcmaster.com/90675A009/">https://www.mcmaster.com/90675A009/</a>
9423T11	Toggle Switch Label	1	<a href="https://www.mcmaster.com/9423T11/">https://www.mcmaster.com/9423T11/</a>
9541K2	Rubber Bumper	4	<a href="https://www.mcmaster.com/9541K2/">https://www.mcmaster.com/9541K2/</a>
Uno WiFi rev2	Arduino Controller	1	<a href="https://www.amazon.com/Arduino-UNO-WIFI-REV2-ABX00021/dp/B07MK598QV/">https://www.amazon.com/Arduino-UNO-WIFI-REV2-ABX00021/dp/B07MK598QV/</a>
NX8048T050	5in Nexion Display	1	<a href="https://www.itead.cc/nexion-nx8048t050.html">https://www.itead.cc/nexion-nx8048t050.html</a>
ARD-LTC2499	24 bit ADC Shield	1	<a href="https://www.iascaled.com/store/ARD-LTC2499">https://www.iascaled.com/store/ARD-LTC2499</a>
VSK-S15-9U-T	CUI 9VDC Power Supply	1	<a href="https://www.digikey.com/en/products/detail/cui-inc/VSK-S15-9U-T/3503692">https://www.digikey.com/en/products/detail/cui-inc/VSK-S15-9U-T/3503692</a>
Wolfwhoop PW-D	5VDC Converter	1	<a href="https://www.amazon.com/Wolfwhoop-Converter-Step-Down-Regulator-Stabilizer/dp/B076P4C42B/">https://www.amazon.com/Wolfwhoop-Converter-Step-Down-Regulator-Stabilizer/dp/B076P4C42B/</a>
56965T12	Miniature Buzzer	1	<a href="https://www.mcmaster.com/56965T12/">https://www.mcmaster.com/56965T12/</a>
7343K712	Toggle Switch	1	<a href="https://www.mcmaster.com/7343K711-7343K712/">https://www.mcmaster.com/7343K711-7343K712/</a>
7087K15	Fuse Holder	1	<a href="https://www.mcmaster.com/7087K15/">https://www.mcmaster.com/7087K15/</a>
7124K422	Double Banana Jack	1	<a href="https://www.mcmaster.com/7124K41-7124K412/">https://www.mcmaster.com/7124K41-7124K412/</a>
1333N44	IEC Receptacle	1	<a href="https://www.mcmaster.com/1333N44/">https://www.mcmaster.com/1333N44/</a>
6168T76	4 Pin Connector	1	<a href="https://www.mcmaster.com/6168T76/">https://www.mcmaster.com/6168T76/</a>
6168T16	4 Pin Plug	1	<a href="https://www.mcmaster.com/6168T16/">https://www.mcmaster.com/6168T16/</a>
7085K39	3A Fuse	1	<a href="https://www.mcmaster.com/7085K39/">https://www.mcmaster.com/7085K39/</a>
	499 Ohm 1% resistor	2	
	1uF Capacitor	1	160Hz Low pass filter
SSA-100	Riedon Analog Smart Shunt	1	<a href="https://www.digikey.com/en/products/detail/riedon/SSA-100/12149327">https://www.digikey.com/en/products/detail/riedon/SSA-100/12149327</a>
SSA-CABLE-1M	Riedon SSA Cable	1	<a href="https://www.digikey.com/en/products/detail/riedon/SSA-CABLE-1M/12149322">https://www.digikey.com/en/products/detail/riedon/SSA-CABLE-1M/12149322</a>
SSA-BASE	Riedon SSA Mounting Base	1	<a href="https://www.digikey.com/en/products/detail/riedon/SSA-BASE/12149323">https://www.digikey.com/en/products/detail/riedon/SSA-BASE/12149323</a>