GND
+5V

DMX Signal Input

To DMX Filter Circuit Input

Male XLR 5 pin Connector

Female 5 pin Connector

DMX Filter Circuit Input

DMX Filter Circuit

DMX Filter Circuit Output

V+
A
B
V-

V+
NC
DI
V-

To DMX LED Strip

Male 5 pin Connector

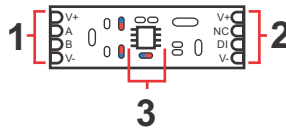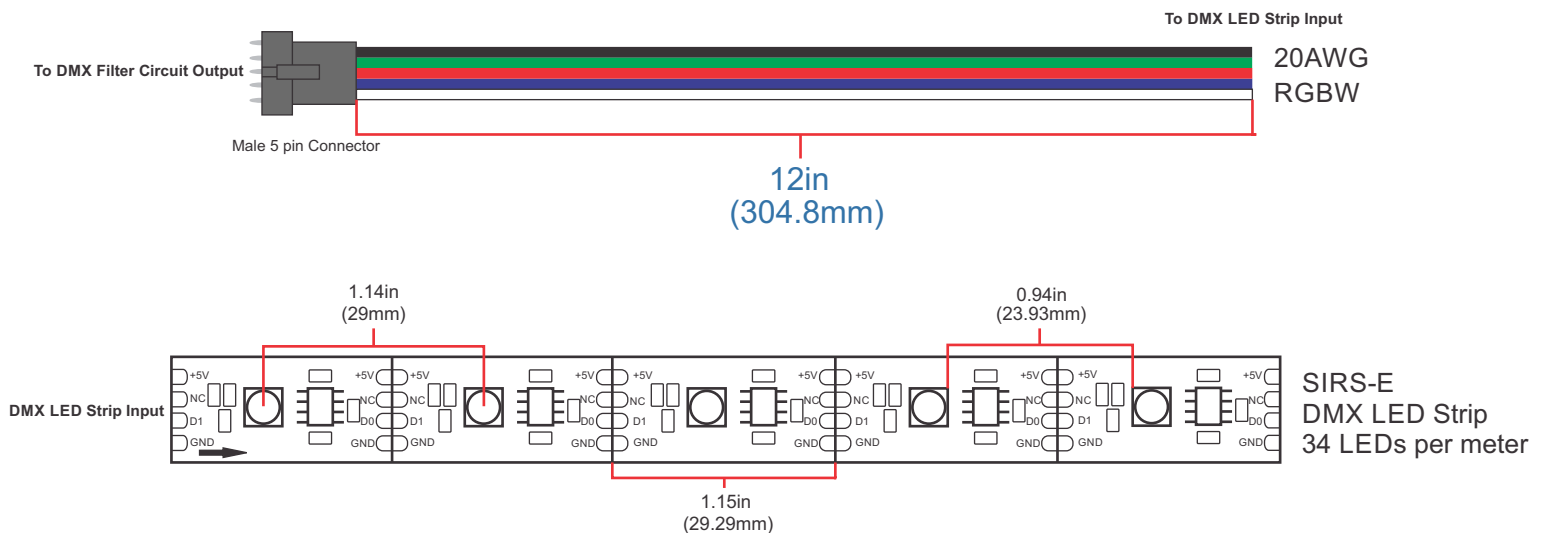Female 5 pin Connector

2.17in
(55.00mm)
*including **IP68 waterproof sleeve**

DMX Filters Circuits

1 - DMX Filter Input (from XLR)
2 - DMX Filter Output (to LED strip)
3 - DMX Integrated Circuit Chip

1
V+
A
B
V-

2
V+
NC
DI
V-

3

DMX Filter Circuit converts RS485 signal to TTL signal, keeps the integrity of the signal, and prevents EMI. The 34 LEDs/m DMX strips requires a filter whether is 5m long or just 0.5m

To DMX LED Strip Input

To DMX Filter Circuit Output

20AWG

RGBW

Male 5 pin Connector

12in
(304.8mm)

1.14in
(29mm)

0.94in
(23.93mm)

DMX LED Strip Input

+5V
NC
D1
GND

SIRS-E
DMX LED Strip
34 LEDs per meter

1.15in
(29.29mm)

(Rear View) - Where wires are soldered

Color Code Male XLR 5 pin

Pin 1 - Ground — V-
Pin 2 - DMX - — B
Pin 3 - DMX + — A
Pin 4 - NC
Pin 5 - NC

Color Code Filter Circuit

V-
A
+5V
V-
B

Color Code LED Strip

Ground
NC
+5V
Ground
DI/D0

Last Revised on: 7/29/16