



AppBox Cable System User's Guide



Specializes in designing with Microchip products

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Please refer to the product web page on the SDI web site for warranty period.

The warranty and return policy are described on the SDI web site.

Mailing address:

Spectrum Digital, Inc
PO Box 1559
Sugar Land, TX. 77487-1559

Web site: www.spectrumdigital.com
Sales: sales@spectrumdigital.com
Support: support@spectrumdigital.com

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519233-0001

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1.0 Introduction

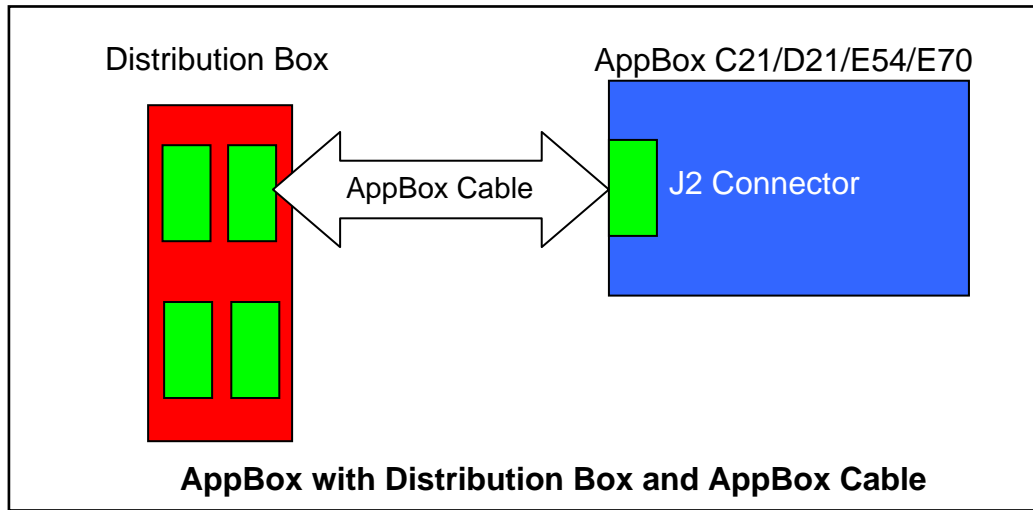
This document describes the AppBox cable (Part/SKU #: 703923-0001) used with the AppBox. This cable brings all the signals off the AppBox J2 connector or J2 image connector on the Distribution Box to another Distribution Box.

1.1 AppBox Cable Features

This AppBox Cable has the following features:

- Mates with AppBox J2 connector or Distribution Box
- Length: 3 foot (36 in / 91 cm)

The diagram below shows the use of the AppBox Cable.



1.2 AppBox Cable Product Contents

The following items are contained in the AppBox Cable product (Part/SKU #: 703923-0001):

- AppBox Cable in bag
- Product information card

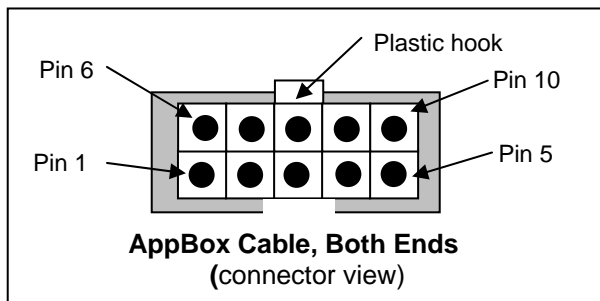
1.3 AppBox Cable Compatibility

The AppBox Cable is designed to work with the following products which can be ordered from Spectrum Digital or authorized resellers::

Accessory Description	Part/SKU Number
AppBox C21	703909-0001
AppBox D21	703910-0001
AppBox E54	703919-0001
AppBox E70	703911-0001
Distribution Box	703924-0001

1.4 AppBox Cable Connectors

Both ends of the AppBox Cable are a molded 10 pin (2 rows x 5 pin) connector. A view of this connector (both ends) is shown below.



The following table shows the signals present on the AppBox Cable at both ends.

AppBox Cable Signals	
Pin number	Signal name
1	RS485_A
2	RS485_B
3	DGND
4	CAN_H
5	CAN_L
6	VDD_5V if JP7 shorted
7	DGND
8	LIN_PWR In
9	LIN
10	DGND

1.5 AppBox Cable Schematics

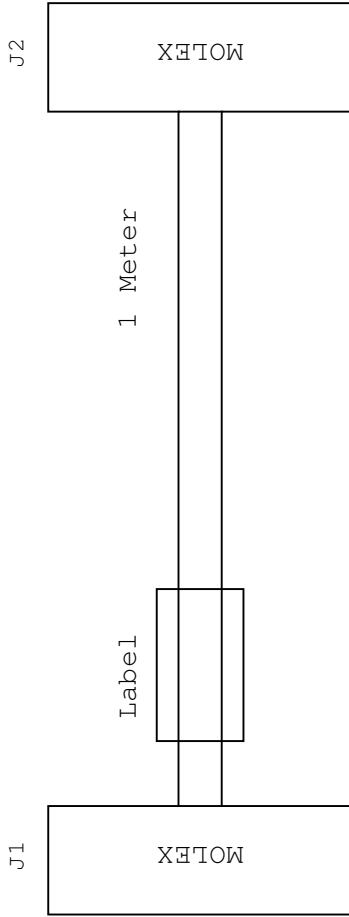
The following pages contain the schematics for the AppBox cable.

MOLEX TOOLING	
SERVICE CRIMP TOOL	063811-1000
HAND CRIMP TOOL	0638190901
EXTRACTION TOOL	0011030044
APPLICATOR	63902-3900

Molex Strip Length	
Jacket	29.21 mm
Conductor	3.00 mm

LABEL CONTENTS

Spectrum Digital
 APPBOX Cable
 Part # 519231 A



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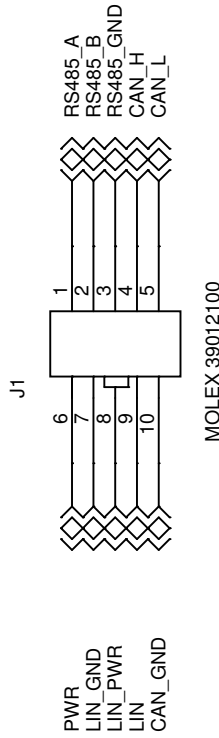
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Page Contents: TITLE	
Size:A	DWG NO 519230
Revision: A	
Date: Wednesday, December 11, 2019	Sheet 1 of 2

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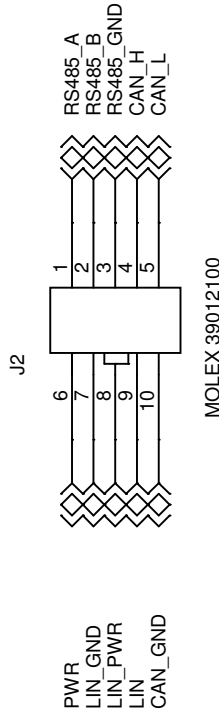
WIRE	COLOR
1	BLACK
2	WHITE
3	RED
4	GREEN
5	BROWN
6	BLUE
7	ORANGE
8	YELLOW
9	PURPLE
10	GRAY

WIRE TABLE

J1	J2	COLOR	SIGNAL
1	1	BLACK	RS485_A
2	2	WHITE	RS485_B
3	3	RED	RS485_GND
4	4	GREEN	CAN_H
5	5	BROWN	CAN_L
6	6	BLUE	PWR
7	7	ORANGE	LIN_GND
8	8	YELLOW	LIN_PWR
9	9	PURPLE	LIN
10	10	GRAY	CAN_GND



MOLEX 39012100



MOLEX 39012100

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Title: APPBOX CABLE

Page Contents: LOGIC

Size: A DWG NO 519230

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Revision: A

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PO Box 1559
Sugar Land, TX. 77487-1559

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Sales: sales@spectrumdigital.com
Support: support@spectrumdigital.com

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