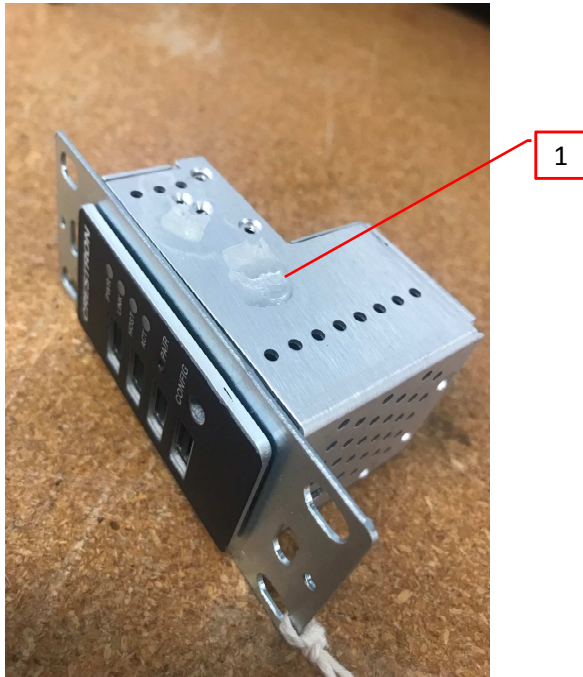


1.0 Reference and Address					
Report Number	104106447ATL-001A	Original Issued:	20-Dec-2019	Revised:	None
Standard(s)	Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [UL 62368-1:2014 Ed.2] Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [CSA C22.2#62368-1:2014 Ed.2]				
Applicant	<u>Crestron Electronics, Inc.</u>	Manufacturer 1	<u>Crestron Electronics, Inc.</u>		
Address	15 Volve Drive Rockleigh, NJ 07647	Address	88 Ramland Road Orangeburg, NY 10962		
Country	USA	Country	USA		
Contact	Mr. William Wack Mr. Gary Freed	Contact	Ms. Farah Moulvi		
Phone	800-237-2041 x12539	Phone	800-237-2041 x11918		
FAX	NA	FAX	NA		
Email	<a href="mailto:wwack@Crestron.com">wwack@Crestron.com</a> <a href="mailto:gfreed@crestron.com">gfreed@crestron.com</a>	Email	<a href="mailto:fmoulvi@Crestron.com">fmoulvi@Crestron.com</a>		
Manufacturer 2	<b><u>JABIL CIRCUIT DE MEXICO S DE RL DE CV</u></b>	Manufacturer 3	<b><u>EPI de Mexico S de RL de CV</u></b>		
Address	Technology Park # 420 Carretera Nogales Km 13.5 Av. Guadalupe # 225 45010 Zapopan Jalisco	Address	Boulevard Independencia #1451 Int.2 Parque Industrial Intermex Oriente CP 32599 Juarez Chihuahua		
Country	MEXICO	Country	MEXICO		
Contact	Mr. Sergio Davalos	Contact	Marcos Reyes		
Phone	(+)521-331-466-1332	Phone	19157915334		
FAX	NA	FAX	NA		
Email	<a href="mailto:Sergio_Davalos@Jabil.com">Sergio_Davalos@Jabil.com</a>	Email	<a href="mailto:marcos.reyes@neotech.com">marcos.reyes@neotech.com</a>		

<b>2.0 Product Description</b>	
Product	USB extender Modules.
Brand name	CRESTRON
Description	<p>The product is a wall plate USB extender that delivers USB1.1 and 2.0 and connects at multiple locations. The unit powered by CB approved external power supply or PoE.</p> <p>Model number for the units is M201904002 and M201904003 whereas SKU Numbers for the product are USB-NX2-Remote-1G-W, USB-NX2-Remote-1G-B, USB-NX2-Local-1G-W, USB-NX2-Local-1G-B, USB-EXT-2-LOCAL-1G-W, USB-EXT-2-LOCAL-1G-B, USB-EXT-2-REMOTE-1G-W , USB-EXT-2-REMOTE-1G-B.</p>
Models	M201904002, M201904003
Model Similarity	Models differ in functionality, number of ports and color of the face plate.
Ratings	24Vdc (Unit powered by POE (Power over Ethernet) or by Creston Class II certified power supply)
Other Ratings	NA

### 3.0 Product Photographs

**Photo 1** -External view Model M201904003



**Photo 2** – External view Model M201904003

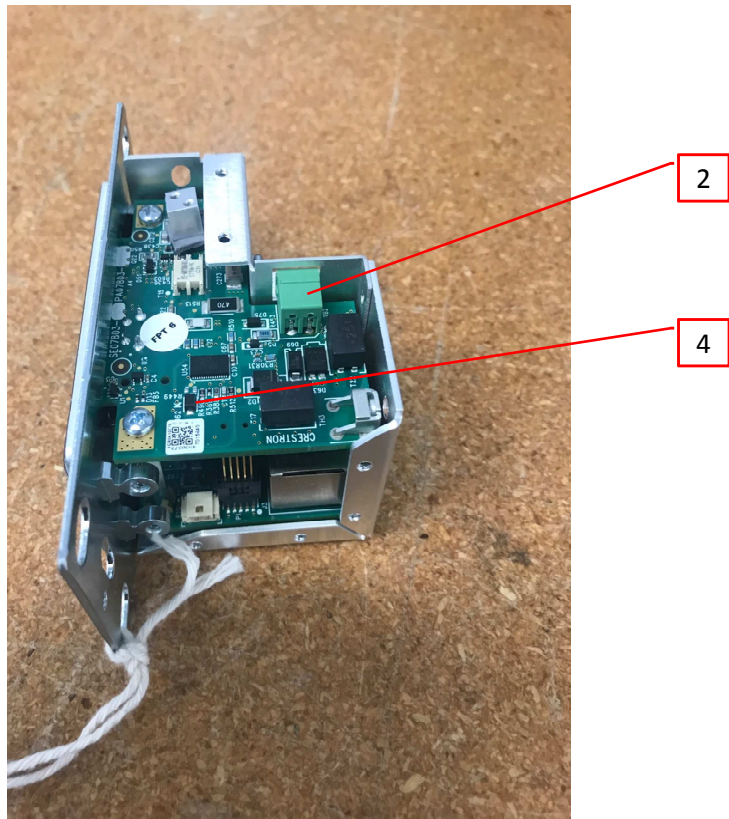


**3.0 Product Photographs**

**Photo 3 - Rear view Model M201904003**



**Photo 4 -Internal View Model M201904003**





### 3.0 Product Photographs

Photo 5 - External view Model M201904003 (Alternate SKU and construction)



Photo 6 – External view Model M201904002 (Alternate SKU and construction)



### 3.0 Product Photographs

Photo 7 – External view Model M201904002 (Alternate SKU and construction)



<b>4.0 Critical Components</b>						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
2	1	Enclosure	Various	Various	Metal enclosure measured 105mm (h) x 43mm (w) x 56mm (l)	UR
4	2	DC Connectors	Various	Various	Rated 50V, 1A. Flame Rated V-0 min.	UR
3	3	Ethernet Connector	Various	Various	Rated 125VAC, 1.25A. Flame rated V-0 min.	UR
4	4	PCB	Various	Various	Flame rated V-0 min.	UR
1	5	Power Supply (Not Shown)	NetBit Electronics	NBS24J240075 D5	100-240Vac, 50/60hz, 0.6A; Output: 24Vdc, 0.75A max.	cULus
NOTES:						
1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.						
2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.						
3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.						

## **5.0 Critical Unlisted CEC Components**

No Unlisted CEC components are used in this report.


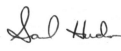


<b>6.0 Critical Features</b>
<p><u>Recognized Component</u> - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.</p>
<p><u>Listed Component</u> - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.</p>
<p><u>Unlisted Component</u> - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.</p>
<p><u>Critical Features/Components</u> - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.</p>
<p><u>Construction Details</u> - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.</p>
<p>1. <u>Mechanical Assembly</u> - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.</p>
<p>2. <u>Corrosion Protection</u> - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.</p>
<p>3. <u>Grounding</u> - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed are connected to the equipment grounding lead or terminal</p>
<p>8. <u>Schematics</u> - There are no schematics requiring verification during Field Representative Inspection Audits.</p>
<p>9. <u>Markings</u> - The product is marked as follows: applicant's/Trade name and model number.</p>
<p>11. <u>Installation, Operating and Safety Instructions</u> - Instructions for installation and use of this product are provided by the manufacturer.</p>

## **7.0 Illustrations**

No Illustrations are used in this report.

8.0 Test Summary			
Evaluation Period	Nov 11, 2019 - Nov 22, 2019		Project No. G1041064474
Sample Rec. Date	10-Oct-2019	Condition	Prototype
			Sample ID. ATL1910301053-001 to -004
Test Location	Intertek Testing Services NA, Inc., 1950 Evergreen Blvd, Suite 100, Duluth, GA 30096, USA		
Test Procedure	Testing Lab		
The following tests were performed:			
Test Description	ANSI/UL 62368-1, 2nd Ed. and CAN/CSA-C22.2 No. 62368-1 2nd Ed. Clause		
Classification of Electrical Energy Sources	5.2	-	-
Max. operating temperature for materials, components	5.4.1.4	-	-
SFC	6.4.3.3	-	-
AOC	B.3	-	-

8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Kalpit Patel	Reviewed by:	Samuel Hudson
Title:	Sr. Project Engineer	Title:	Staff Engineer
Signature:		Signature:	

<b>9.0 Correlation Page For Multiple Listings</b>	
The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.	
<b>BASIC LISTEE</b>	Crestron Electronics, Inc.
Address	15 Volve Drive Rockleigh, NJ 07647
Country	USA
Product	USB extender Modules.

<b>MULTIPLE LISTEE 1</b>	None
Address	
Country	
Brand Name	
<b>ASSOCIATED MANUFACTURER</b>	
Address	
Country	
<b>MULTIPLE LISTEE 1 MODELS</b>	
<b>BASIC LISTEE MODELS</b>	

<b>MULTIPLE LISTEE 2</b>	None
Address	
Country	
Brand Name	
<b>ASSOCIATED MANUFACTURER</b>	
Address	
Country	
<b>MULTIPLE LISTEE 2 MODELS</b>	
<b>BASIC LISTEE MODELS</b>	

<b>MULTIPLE LISTEE 3</b>	None
Address	
Country	
Brand Name	
<b>ASSOCIATED MANUFACTURER</b>	
Address	
Country	
<b>MULTIPLE LISTEE 3 MODELS</b>	
<b>BASIC LISTEE MODELS</b>	

## **10.0 General Information**

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

### COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

### LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issue by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

**For US standards**, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

**For Canadian standards**, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

**Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.**

The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

### MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

### FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

### **10.1 Evaluation of Unlisted Components**

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

**Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation**

Ship the samples to:

Intertek Testing Services NA Inc.  
ETL Component Evaluation Center  
45000 Helm Street, Suite 150  
Plymouth Twp., MI 48170 USA  
Attn: Component Evaluation Center

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.



**11.0 Manufacturing and Production Tests**

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

**Required Tests**

None.

