

(36" LED Light Strip Kit - Transit Connect

Part Number 69625

36" LED Light Strip (65347)



Roof Bow Harness #2 (63482)



PRODUCT FEATURES

- This kit is compatible with the Ford Transit Connect.
- Included in this kit is one (1) 36" LED light strip (65347), roof bow harness #2 (63482), power harness (65795), two (2) switches, and various fasteners.
- There are no OEM options that this kit is not compatible with and there are no OEM options that are required for this kit.

Model Year Validated:

2023



Introduction / Comments:

Install Instructions For Interior Plug & Play Lights For Transit Connect

Note:

Read all instructions prior to installation. Review the Adrian Steel **GENERAL PRECAUTIONS PAGES** (56638) before attempting installation. Only personnel familiar with using electrical best practices should perform this install. Reference **ELECTRICAL BEST PRACTICES MAN-UAL** (54479) before attempting installation.





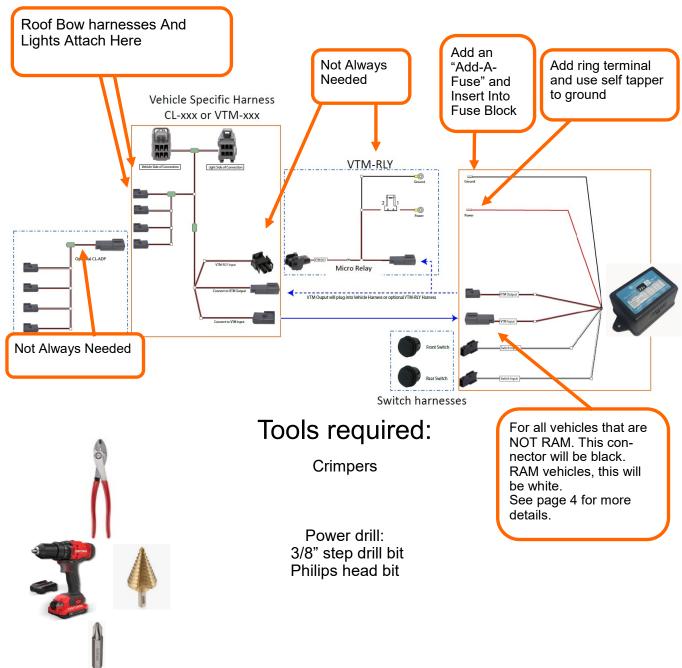
Installation Instructions For Interior Plug And Play Lights For Transit Connect



Please read statement below before moving forward

These plug and play kits are completely modular and can be configured in many different ways. Placement of lights will be determined by sales order drawings/customer ask. Therefore, these instructions are for the most standard configurations, and for reference only. The only harness that is specific to the transit connect vehicle is the power harnesses 65795. Routing will be very standard across all kits, but placement of lights and switches are subject to be different from these instructions if called out on the order drawing differently.

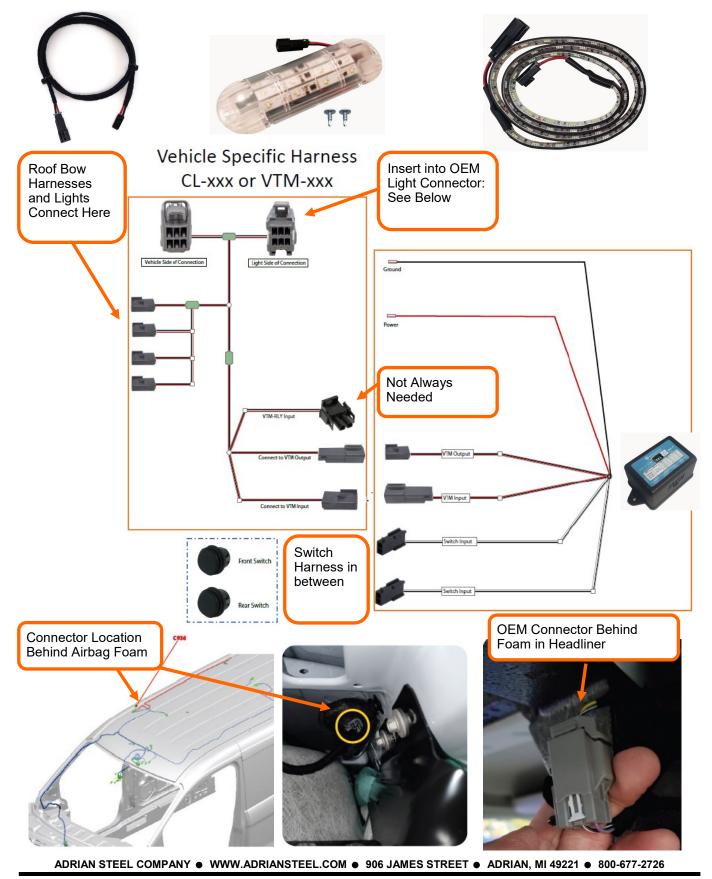
Overall Harness Diagram



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Specific Harness Diagram





Voltage Timer Module (VTM) Harness Reference

For all vehicles except RAM, the black input connector will be used to plug into the vehicle specific harness. The white connector will NOT be used.

For all RAM vehicles, the white connector will be used to plug into the vehicle specific harness. The black connector will NOT be used.



Harnesses Needed





		Part Number	Description	
1		65786	Voltage Timer Module (VTM)	
2		63480 Or/And 64222, 65346, 65347, 65348	Dome Light Or/And Strip Lights	
3		63481 Or/And 63842, 63483, 63484	Roof Bow Harnesses 1 through 4	
4		65795	Power Harness	
5		65787 Or/And 65788, 65789, 65790	Switch Harness 1 through 4 for VTM	

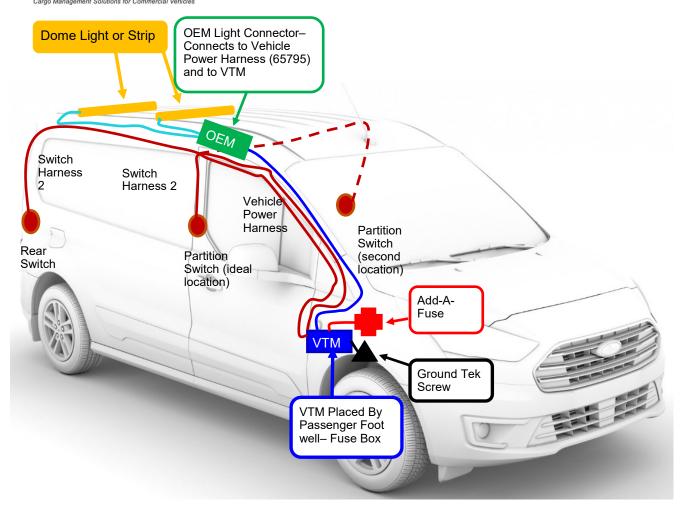






Harness pictures are for reference only.

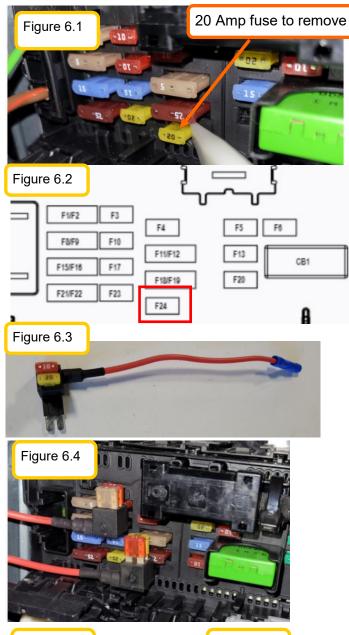


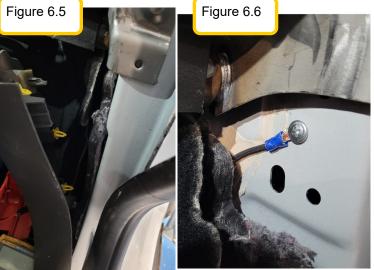


Color	Key - Items
Blue	VTM/Harness
Green	Vehicle Specific Power Harness
Black	Ground Location
Red	12V location
Redish/Brown	Switch Harnesses
Yellow	Dome or Strip Lights
Teal	Roof Bow Harnesses

The purpose of plug and play lighting is to be completely modular. Due to this feature, refer to the order drawing for all exact lighting placements. These installation instructions are for most cases and for reference.







Step 1: Locate the VTM power harness #65786

Attach the Micro Add-A-Fuse to the blunt cut red wire.

Attach the 1/4" ring terminal to the black wire

Remove the fuse from the inline fuse holder until he end of the install

Plug the harness connector into the voltage timer module port

Step 2: Locate the Fuse panel under the passenger side foot well. You will need to remove the glove box and some trim to see the fuse box.

Locate the 20 amp micro (F24) fuse shown in figure 6.1 and 6.2.. Remove the fuse carefully.

Insert the supplied 7.5A fuse into the add-a-fuse holder on the top portion of the insert.

Insert the OEM 20A fuse into the add-afuse in the bottom portion of the insert. Figure 6.2.

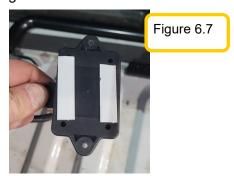
Insert the add-a-fuse back into the 20A fuse location. Figure 6.4.

Remove the trim panel on the body of the passenger side kick panel. Figure 6.5.

Use the self tapping screw (FAS0148) to ground the ring terminal/ground wire to the body of the van. Figure 6.6.

Step 3:

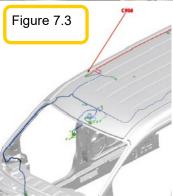
Apply the VHB tape the back of the VTM (voltage timer module). See figure 6.7.

















Place the VTM to the right of the fuse block like shown in figure 7.1. Secure the VTM to the OEM wire harnesses as needed with zip ties.

Please be sure to set all the dip switches on the VTM UP

Refer to the bottom picture for dip switch settings. If the customer would like a different amount time other than 90 minutes, use the dip switches to set the time.

Plug the switch 2 harnesses (65788) into the VTM harness. See pages 2 & 3 for reference.

Secure wiring to the OEM harnesses as needed. Figure 7.2.

Step 4: Locate the OEM light connector that is located in the headliner, behind the foam. Figure 7.3.

You will need to remove the foam block on 2022+ Transit Connects.

Carefully remove it from the vehicle. You will need to enter the vehicle through the passenger side slider door and remove the block by pulling down the rear

passenger corner of the headliner, then pull the block straight back towards the rear of the vehicle

The foam block needs to be re-installed after installation of lights is complete.

Disconnect the OEM connectors and plug in the ASCO connector to each side. Figure 7.4.

Connect the roof bow harnesses (63481 Or/And 63842, 63483, 63484 all that are applicable) to the power harness.

Use zip ties/fir trees to secure all wiring.

Step 5: Dissemble the A-pillar trim. Be careful not to interfere with any air bags or wiring.

DIP SWITCH 1 UP/DOWN	DIP SWITCH 2 UP/DOWN	DIP SWITCH 3	DIP SWITCH 4	Timer Duration (Minutes)
		UP	DOWN 60	
Voltage Sense	Timer	Timer UP UP	90	
ON/OFF	ON/OFF	DOWN	UP	120
		DOWN	DOWN	150

VTM Dip Switch Settings













Route the switch harnesses up the A-pillar, to the top of the partition area. These will be routed to their locations on the next page. Do not interfere with any airbag wiring.

Route the power harness the opposing way, down the A-pillar to the VTM. Figures 10.0 and 10.2.

Plug the power harness into the VTM, using only the input and output connectors. The relay connector will not be used. Reference page 3 for connections, and figure 10.3.

Be sure to use the black colored VTM input connector referenced on page 4. The white connector will NOT be used for this install. Secure wiring with zip ties.

Step 6: Plug the roof bow harnesses into the power harness in the headliner area.

Route the roof bow harnesses to the light locations on the roof bows. Be sure to confirm placement of lights with the order drawing. Ideal placements are the very rear door pillar and the last roof bow.

Use the OEM roof channels and fir tree zip ties for securing the wiring. Figures 10.4 and 10.5.

Step 7: Before mounting any lights, prep the surface where the light will be placed with the supplied alcohol pad. Let dry for a few minutes, then mount the light.

Be sure the surface is clean before applying the VHB tape. Read the supplied instructions in the lighting boxes.

Mount the strip/dome lights to their desired locations: Refer to the order drawing.

For dome lights, use the VHB tape already on the back of the light, and also secure with the supplied tek screws. Figure 10.6.

Dome lights are to be placed as close to the center of the roof bow as possible, while straddling the gaps in the roof bow.

For the strip lights, use the VHB tape supplied on the back of the lights, and use the little square sticky backs with zip ties that are supplied in the box.

(3) ADRIAN STEEL





Partition Switch Locations:

Switch hole in steel partition (figure 11.1) or drill out switch hole in composite partition (figure 11.2).

This location will require harness #65788.

Rear Switch Location:

Passenger side rear D-pillar trim.

2.5" left of the D-pillar and 3.5" down from the top edge of the trim.

See figure 11.3 below for reference.

This location will also require harness #65788.

Step 8: Route the front switch harness from the VTM harness location to the partition switch location. (From fuse box under passenger side seat, up the A-pillar, then down the partition to the switch hole.

Do the same with the rear harness the D-pillar switch location. Route in the upper channels on the van to the D-pillar then to the switch location.

Reference page 5 for routing paths.

Use Zip ties to secure wiring.

Drill needed holes for the switches in rear D pillar trim panel, and composite partition (if applicable).

Insert the switches into the holes with the "1" in the 12:00 position, connect the harness (the connection orientation does not matter).

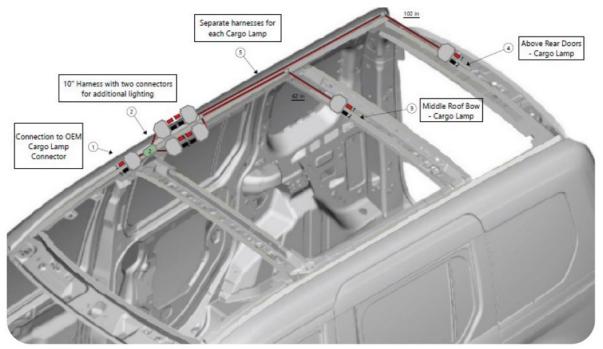


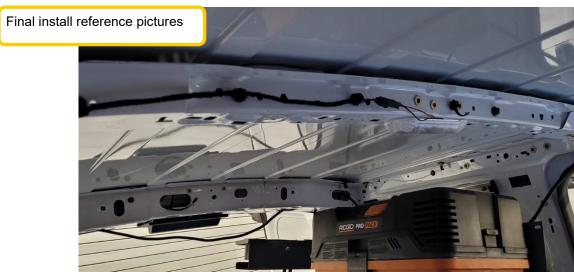




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Insert the fuse into the inline-fuse holder on the power harness. The install is now complete. Secure all wiring with zip ties. Re-attach all trim. Double check the functionality of the lights and switches.

ITEM DESCRIPTION: WIRE TIE, NYLON 40Lb, 8.5" BLACK



MANUFACTURER: WAYTEK, INC. or equivalent

MANUFACTURERS PART NUMBER: 21093M or 21093C

SPECIFICATIONS: STANDARD CABLE TIE

BLACK, NYLON 8-1/2" LONG

TENSILE STRENGTH: 40.0 LBS

21093M = 1,000 quanity 21093C = 100 quanity

SPECIAL NOTES: PART NUMBER IS BLACK.

SUPPLIED BY: THIS ITEM IS ADRIAN AVAILABLE!

PURCHASED PRODUCT DATA SHEET (PPDS)

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△CAUTION △

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7	DRAWN BY	DATE DRAWN
l	MDG	10/26/2006
1	ECN NUMBER	ECN DATE
l	18021	11/13/2015
1	PART WEIGHT	REV. LEVEL
1	0.01 LBS.	D
1	PART N	IUMBER
l	1390	05-0

DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

Base is a 0.975 inch square

LOAD/RATING REQUIREMENT

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

Black adhesive wire tie mounting base.

Cure Time: Bond 15 Min., Max Adhesion 1 Hr. Max. Operating Temp. F: Max. Operating Temp. C: Min. Installation Temp. F:

Weld Callouts per AWS





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OLERANCES & INSPECTION **RELEASE & REVISIONS** UNLESS OTHERWISE SPECIFIED 17429 INITIAL ECN: ALL BEND ANGLES ARE 90 DEGREES ALL DIMENSIONS ARE IN INCHES. CURRENT ECN: 22185 REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION CN DESCRIPTION: FEATURES 0.0 = ± .125 0.00 = ± .062 0.000 = ± .031 HOLES/SLOTS ANGLES Size of the base changed with a 0.0 = ± .062 0.00 = ± .031 0.000 = ± .015 change in supplier Material Thickness: per ASTM Std.

REVISED BY: D. LaCroix

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER

Midstate

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER 49401

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

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Sheet 1 of 1

PART / PRODUCT IDENTIFICATION

DESIGNED BY: RJB



ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

MAT'L USED:

DESCRIPTION: Adhesive wire tie base

SEGMENT HDW PART NUMBER: **49401** 0.05

ITEM DESCRIPTION: MICRO2 ADD-A-FUSE FUSE HOLDER



MANUFACTURER: WAYTEK

MANUFACTURERS PART NUMBER: 46177 or similar

SPECIFICATIONS: (1) Add-A-Fuse Micro2 style

SPECIAL NOTES: None.

SUPPLIED BY: THIS ITEM IS ADRIAN AVAILABLE!

PURCHASED PRODUCT DATA SHEET (PPDS)

Page 1 of 1

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DRAWN BY	DATE DRAWN
RJB	08/27/2015
ECN NUMBER	ECN DATE
17776	08/27/2015
PART WEIGHT	REV. LEVEL
0.01 LBS.	Α

DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

LOAD/RATING REQUIREMENT

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

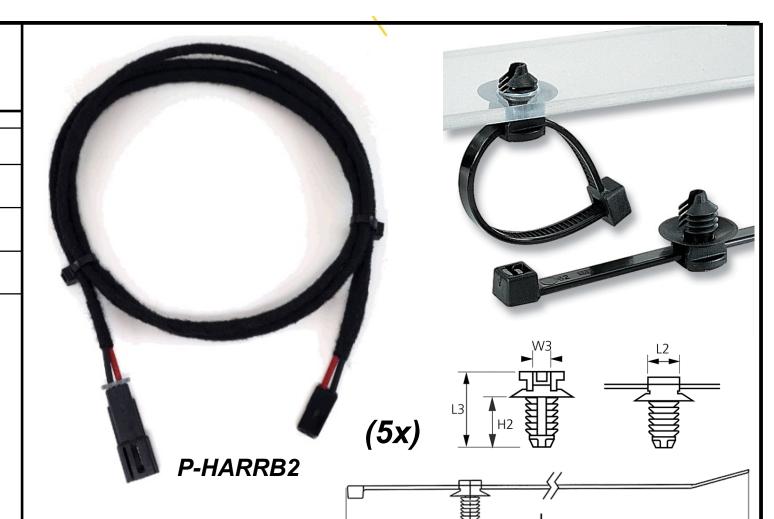
N/A

OTHER REQUIREMENTS

- Roof Bow #2
- (5x) WIRE TIE W/CHRISTMAS TREE
- 1570mm Length

Material Thickness: per ASTM Std.

Weld Callouts per AWS



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RELEASE & REVISIONS OLERANCES & INSPECTION UNLESS OTHERWISE SPECIFIED 24359 INITIAL ECN: ALL BEND ANGLES ARE 90 DEGREES ALL DIMENSIONS ARE IN INCHES. CURRENT ECN: 24359 REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION CN DESCRIPTION: HOLES/SLOTS ANGLES **QE8539 RELEASE MODULAR DOME** 0.0 = ± .062 0.00 = ± .031 0.000 = ± .015

LIGHTING

REVISED BY: MJF

PURCHASED COMPONENT

ECHOMASTER FLEET SOLUTIONS

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER P-HARRB2

COLOR (ONLY LIST IF COLOR SPECIFIC

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

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Sheet 1 of 1

REVISION LEVEL

PART / PRODUCT IDENTIFICATION



ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221

MAT'L USED: PURCHASED

DESIGNED BY: MJF

ROOF BOW HARNESS #2

SEGMENT EAU .50

DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

Note:

Connector / Terminal Configuration:

- MALE 2 PIN ON ONE END
- FEMALE 2 PIN ON THE OPPOSITE END.

BOM:

Item	Qty.	Description
1	1	36" WHITE LED STRIP LIGHT W/ADHESIVE
2	2	4" ZIP TIE
3	2	CABLE TIE MOUNT
4	1	ALCOHOL PAD



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REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION

 $0.0 = \pm .062$ $0.00 = \pm .031$ $0.000 = \pm .015$

Material Thickness: per ASTM Std. Weld Callouts per AWS

RELEASE & REVISIONS

24697 **INITIAL ECN:**

CURRENT ECN: 25778

ECN DESCRIPTION:

Revise Modular Lights With New 3M Adhesive

REVISED BY: JLT

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER CL-36BLED rev.B

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.) YES

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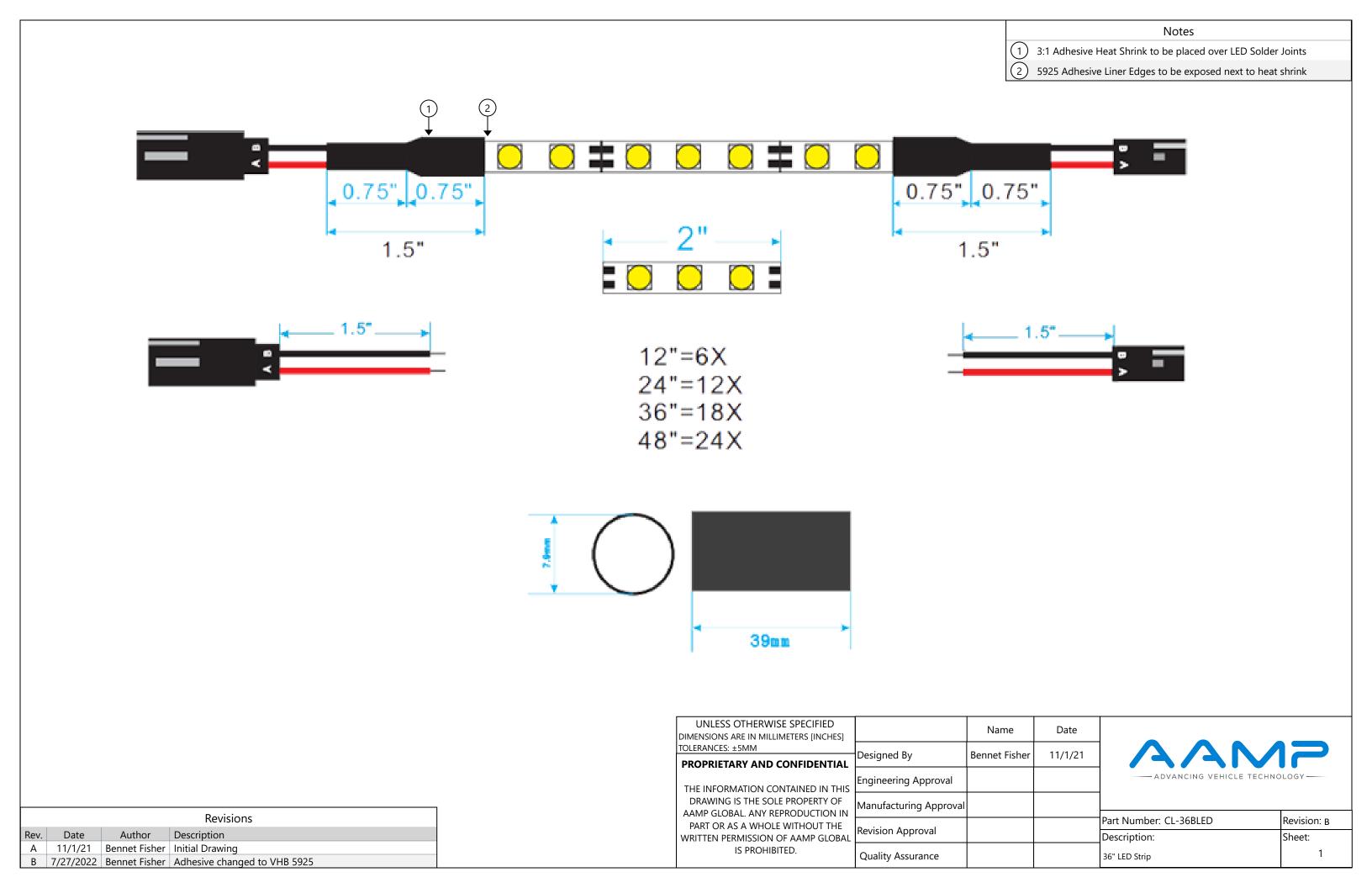
DESIGNED BY: J. TYNER

PART / PRODUCT IDENTIFICATION

MODULE DOME LED STRIP 36"

WEIGHT (Lbs.): 0.3

SEGMENT EAU



DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

INCLUDES HARNESS - "P-VTM-HAR"



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TOLERANCES & INSPECTION

UNLESS OTHERWISE SPECIFIED

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ALL DIMENSIONS ARE IN INCHES.

REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION

 $0.0 = \pm .062$ $0.00 = \pm .031$

 $0.000 = \pm .015$ Material Thickness: per ASTM Std. Weld Callouts per AWS

RELEASE & REVISIONS

INITIAL ECN: 25377

CURRENT ECN: 25377

ECN DESCRIPTION:

RELEASE FOR PRODUCTION

REVISED BY:

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER **AAMP GLOBAL**

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER VTM OR 65786

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

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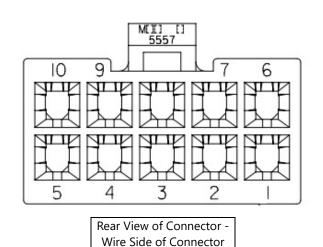
DESIGNED BY: E.BURKE

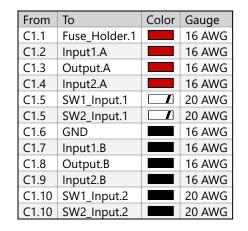
PART / PRODUCT IDENTIFICATION

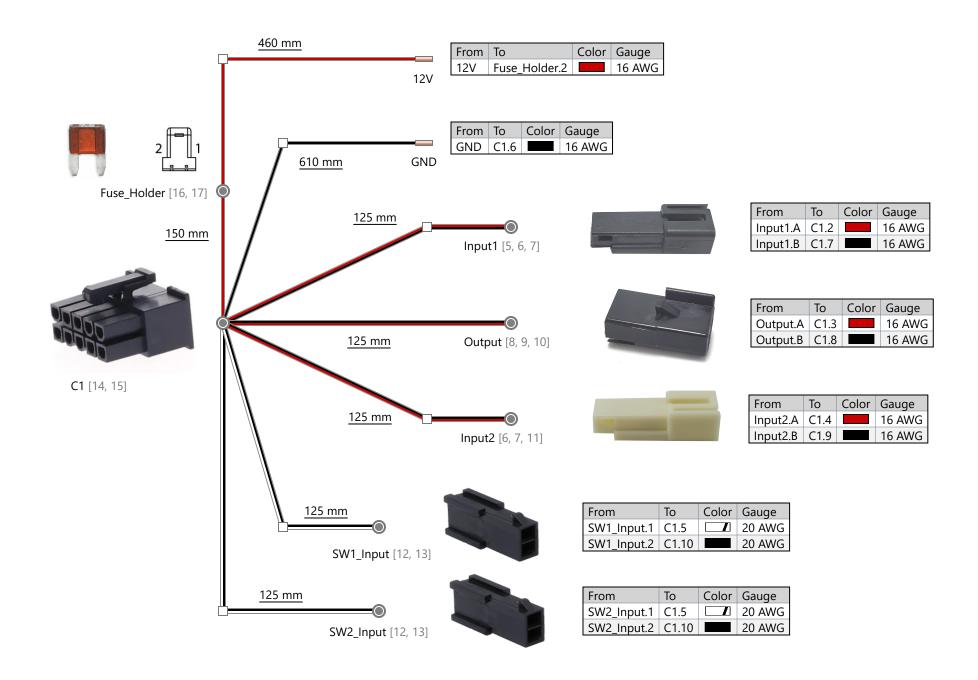
VOLTAGE TIMER MODULE

WEIGHT (Lbs.): **0.2**

SEGMENT ELE







Input.1 for each switch is the ground signal that will be fed back to the timer module for activation

Input.2 for each switch is a ground that will be provided by the timer module

	Revisions					
Rev. Date Author Description						
v1	03/26/21	Bennet Fisher	Initial Drawing			
v2 7/1/2021 Bennet Fisher Revised pin 4 and 9 connections; spliced			Revised pin 4 and 9 connections; spliced switch inputs			
v3	7/22/2021	Bennet Fisher	Changed second dome connector			
v4	v4 11/8/2021 Bennet Fish		Eliminated White/Black and Black wire splices;			
			Corrected contacts for C1.4, C1.5, C1.9, and C1.10			

UNLESS OTHERWISE SPECIFIED		Name	Date	
DIMENSIONS ARE IN MILLIMETERS [INCHES] TOLERANCES: ±5MM	Designed By	Bennet Fisher	3/26/21	
PROPRIETARY AND CONFIDENTIAL	Engineering Approval			
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF	Manufacturing Approval			
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IS PROHIBITED.	Quality Assurance			Tim

— ADVANCING VEHICLE TECHNO	LOGY
art Number: P-VTM-HAR_	Revision:
Description:	Sheet:
imer Module Harness	1 of 1





VTM

Voltage Timer Module

INSTALLATION MANUAL





Thank you for purchasing the VTM

WHAT'S INCLUDED:

- Voltage Timer Module
- Voltage Timer Module Harness
- Screws

COMPATIBLE ACCESSORIES:

- Vehicle-specific harness (P-VTM-xxx)
- Switch harness (VTM-SWx)
- High current harness (VTM-RLY)

FEATURES:

- Selectable timer durations 60, 90, 120, and 150 minutes
- Low voltage shut off at 11.8V
- Timer and Low Voltage sense work independently of each other
- Inputs for 2 momentary switches
- 7.5A max current output

2



OPERATING INSTRUCTIONS:

DIP SWITCH 1 UP/DOWN	DIP SWITCH 2 UP/DOWN	DIP SWITCH 3	DIP SWITCH 4	Timer Duration (Minutes)
		UP	DOWN 60	
Voltage Sense	Timer	er UP UP	UP	90
ON/OFF	ON/OFF	DOWN	UP 120	120
		DOWN	DOWN	150

If Voltage Sense is turned ON, low voltage shut down will occur when voltage input drops below 11.8V. To eliminate false triggers, there is a 20 second delay before shut down.

If Voltage Sense is turned OFF, input voltage level will not be monitored.

NOTE: Voltage Sense takes precedence over Timer. Voltage Sense is only active when the Switch Inputs are activated. Voltage Sense does not monitor VTM Trigger Input.

If Timer is ON and a switch input is activated, output voltage will be provided for specified timer duration.

While output voltage is active, pressing a switch will disable the output voltage. If pressed once again, output voltage will be re-activated and reset the timer.

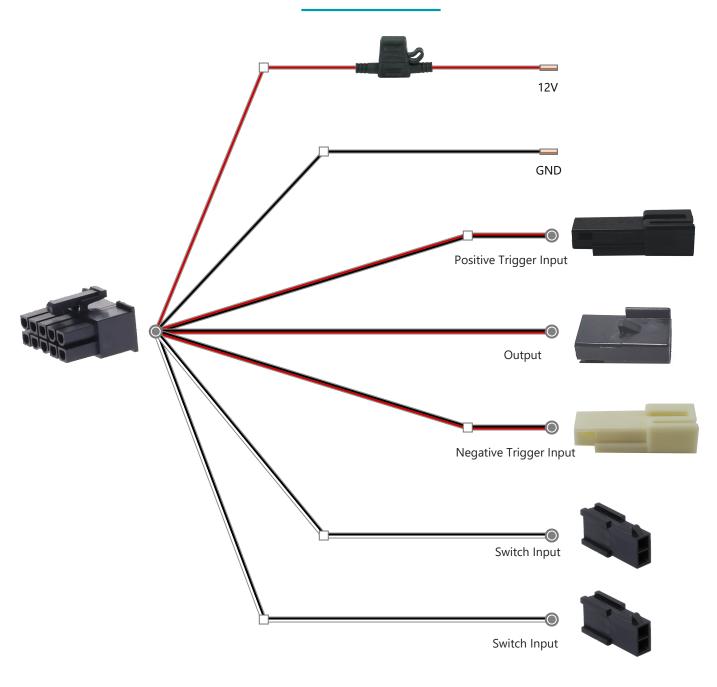
Trigger Input	Switch Input	Output	Voltage Sense (ON)	Timer (ON)
Active	N/A	ON	N/A	N/A
Deactivated	N/A	OFF	N/A	N/A
Not Active	Activated (Pressed)	ON	Monitoring Input Voltage	Timer starts
Not Active	Activated (Pressed)	OFF	N/A	Timer off
Not Active	Activated (Pressed)	ON	Monitoring Input Voltage	Timer resets

If VTM Trigger Input to the VTM module is active, its function takes precedence.



WIRING DIAGRAMS:

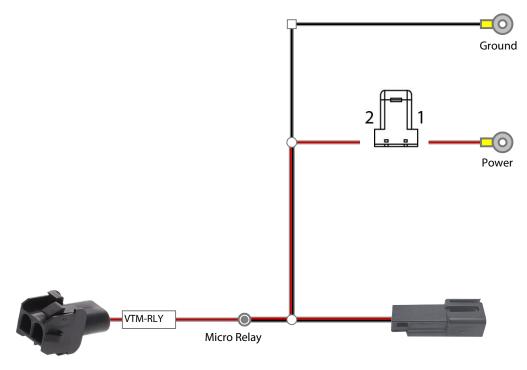
VTM Harness





VTM-RLY (Optional Harness)

For larger current demands, use the optional VTM-RLY and connect to power and ground, along with the VTM harness. VTM-RLY supports up to 15A.



VTM-RLY Output connects to the P-VTMxxx harness for vehicle lighting

VTM-RLY Input connects to the output from the VTM harness

5





Phone - 866-931-8021 (option 3)

E-Mail - support@echomasterfleetsolutions.com



EchoMaster Fleet Solutions is a Power Brand of AAMP Global

EchoMasterfleetsolutions.com

DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS



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TOLERANCES & INSPECTION

UNLESS OTHERWISE SPECIFIED

ALL BEND ANGLES ARE 90 DEGREES

ALL DIMENSIONS ARE IN INCHES.

REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION

 $0.0 = \pm .062$ $0.00 = \pm .031$

 $0.000 = \pm .015$ Material Thickness: per ASTM Std. Weld Callouts per AWS

RELEASE & REVISIONS

INITIAL ECN: 25377

CURRENT ECN: 25377

ECN DESCRIPTION:

RELEASE FOR PRODUCTION

REVISED BY:

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER AAMP GLOBAL

VTM-SW2 OR 65788

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

PRINTED DOCUMENT IS UNCONTROLLED

Sheet 1 of 1

ADRIAN STEEL

ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221

MAT'L USED:

PURCHASED

DESIGNED BY: E.BURKE

PART / PRODUCT IDENTIFICATION

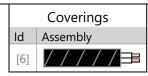
SWITCH 2 HARNESS FOR VTM

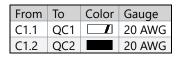
WEIGHT (Lbs.): 0.2

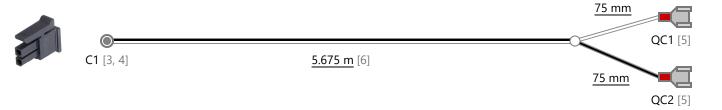
SEGMENT ELE

PART NUMBER: **65788**

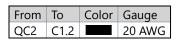
REVISION LEVEL













UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCHES]		Name	Date
TOLERANCES: ±5MM PROPRIETARY AND CONFIDENTIAL	Designed By	Bennet Fisher	6/10/2021
THE INFORMATION CONTAINED IN THIS	Engineering Approval		
DRAWING IS THE SOLE PROPERTY OF AAMP GLOBAL. ANY REPRODUCTION IN	Manufacturing Approval		
PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AAMP GLOBAL	Revision Approval		
IS PROHIBITED.	Quality Assurance		

AA	ME	
	VEHICLE TECHNOLOGY —	

3 11					
n Approval			Part Number: VTM-SW2	Revision: 1	
			Description:	Sheet:	
Assurance			5.675 Meter Switch Harness		

Revisions					
Rev.	Date	Author	Description		
1	6/10/21	Bennet Fisher	Initial Drawing		

DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

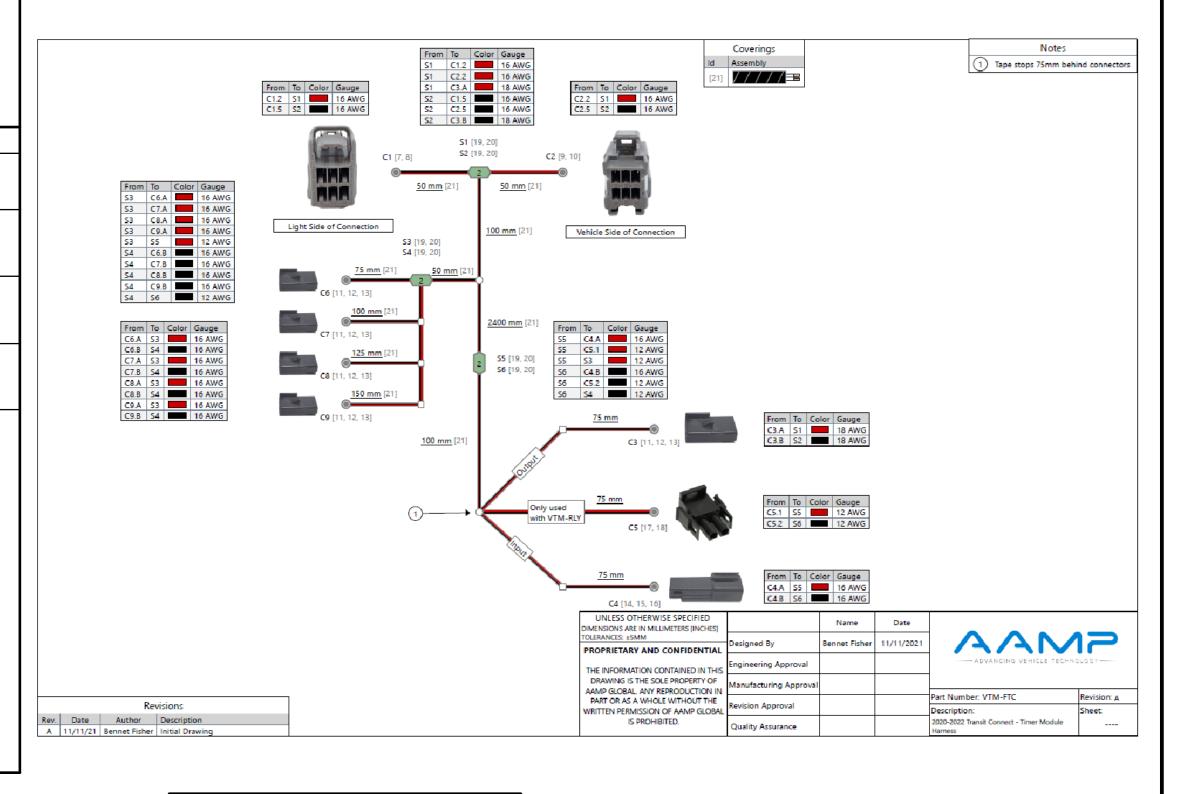
MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS



THIS DRAWING IS THE PROPERTY OF ADRIAN STEEL COMPANY AND IS NOT TO BE USED IN ANY MANNER

TOLERANCES & INSPECTION

UNLESS OTHERWISE SPECIFIED **ALL BEND ANGLES ARE 90 DEGREES**

ALL DIMENSIONS ARE IN INCHES.

REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION

HOLES/SLOTS **ANGLES** $0.0 = \pm .062$ $0.00 = \pm .031$ $0^{\circ} = \pm 2^{\circ}$ $0.0^{\circ} = \pm 1^{\circ}$ 0.0 = + .125 $0.00 = \pm .062$ 0.000 = + .0310.000 = + .015

Material Thickness: per ASTM Std. Weld Callouts per AWS

RELEASE & REVISIONS

INITIAL ECN: 25377

CURRENT ECN: 25377

ECN DESCRIPTION:

REVISED BY: EMB

RELEASE FOR PRODUCTION

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER
AAMP GLOBAL

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER **VTM-FTC OR 65795**

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

PRINTED DOCUMENT IS UNCONTROLLED

Sheet 1 of 1

ADRIAN STEEL

ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221 **REVISION LEVEL**

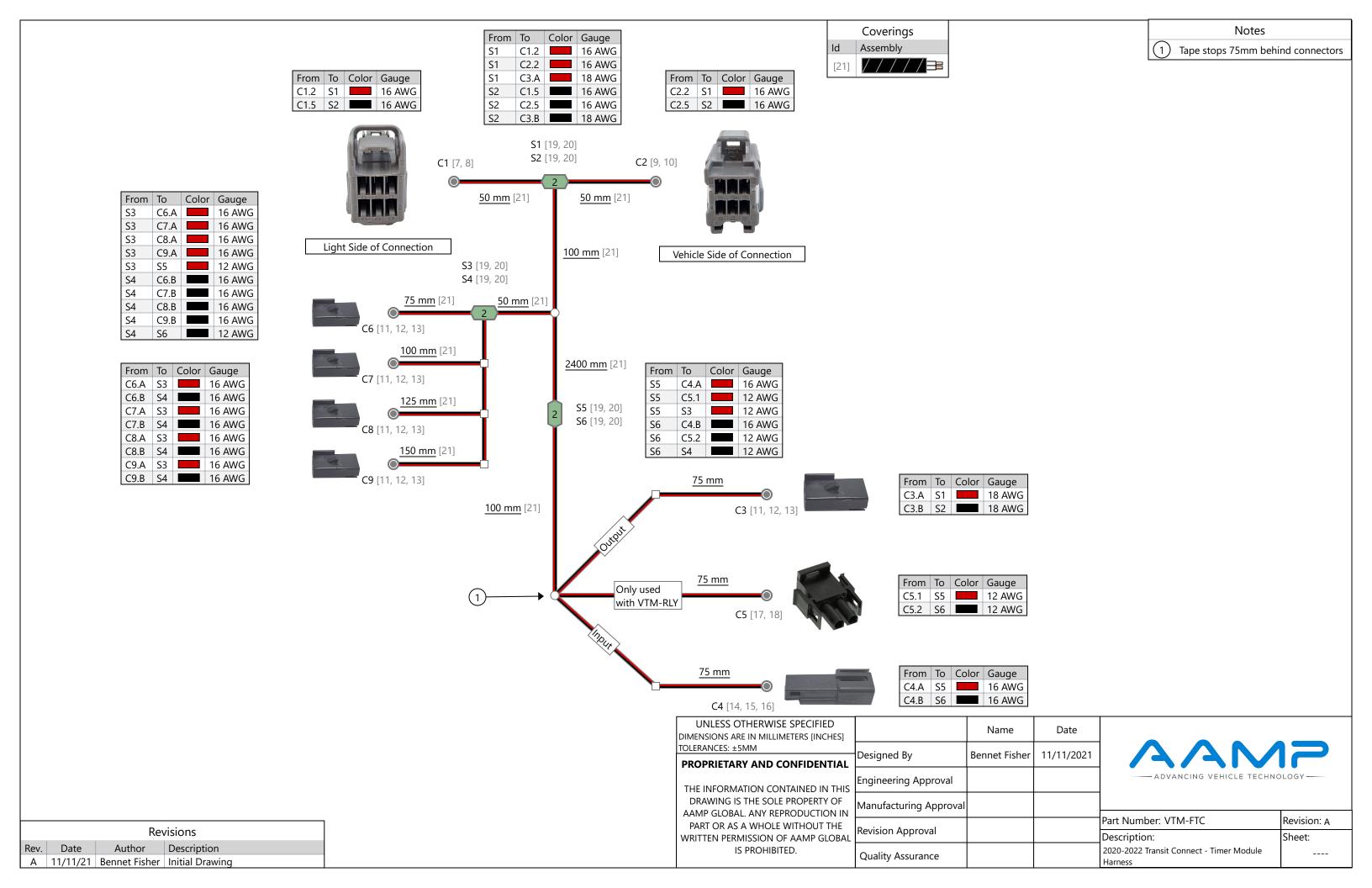
PURCHASED MAT'L USED:

DESIGNED BY: E.BURKE

PART / PRODUCT IDENTIFICATION

HARN, POWER VTM FTC

WEIGHT SEGMENT ELE



DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

RING TERMINAL: 16-14GA 1/4" STUD SIZE BLUE **TIN PLATED COPPER**



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TOLERANCES & INSPECTION

UNLESS OTHERWISE SPECIFIED

ALL BEND ANGLES ARE 90 DEGREES

ALL DIMENSIONS ARE IN INCHES.

REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION

 $0.0 = \pm .062$ $0.00 = \pm .031$ $0.000 = \pm .015$

Material Thickness: per ASTM Std. Weld Callouts per AWS

RELEASE & REVISIONS

INITIAL ECN: 25975

CURRENT ECN: 25975

ECN DESCRIPTION:

RELEASE TO PRODUCTION

REVISED BY: N/A

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER WAYTEK

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.) NO

PRINTED DOCUMENT IS UNCONTROLLED

Sheet 1 of 1

ADRIAN STEEL

ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

MAT'L USED: PURCHASED

DESIGNED BY: EMB

PART / PRODUCT IDENTIFICATION

WIRE TERM 1/4"RING 14-16G

WEIGHT 0.01 SEGMENT CODE: **ELE**

DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

MICRO2

LOAD/RATING REQUIREMENT

5 AMP

MATERIAL REQUIREMENT

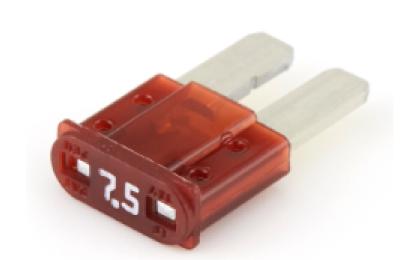
N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

(1) 7.5 AMP FUSE MICRO 2 STYLE



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TOLERANCES & INSPECTION

UNLESS OTHERWISE SPECIFIED

ALL BEND ANGLES ARE 90 DEGREES

ALL DIMENSIONS ARE IN INCHES.

REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION

HOLES/SLOTS $0.0 = \pm .062$ $0.00 = \pm .031$ $0.00 = \pm .062$

 $0.000 = \pm .015$ Material Thickness: per ASTM Std. Weld Callouts per AWS

RELEASE & REVISIONS

INITIAL ECN: 26015

CURRENT ECN: 26015

ECN DESCRIPTION:

RELEASE TO PRODUCTION.

REVISED BY: N/A

PURCHASED COMPONENT

WAYTEK

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER 46117

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.) YES

PRINTED DOCUMENT IS UNCONTROLLED

Sheet 1 of 1

ADRIAN STEEL

ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221



MAT'L USED:

DESIGNED BY: E.Burke

PART / PRODUCT IDENTIFICATION

FUSE, MICRO2 7.5 AMP

WEIGHT (Lbs.): .10 SEGMENT ELE