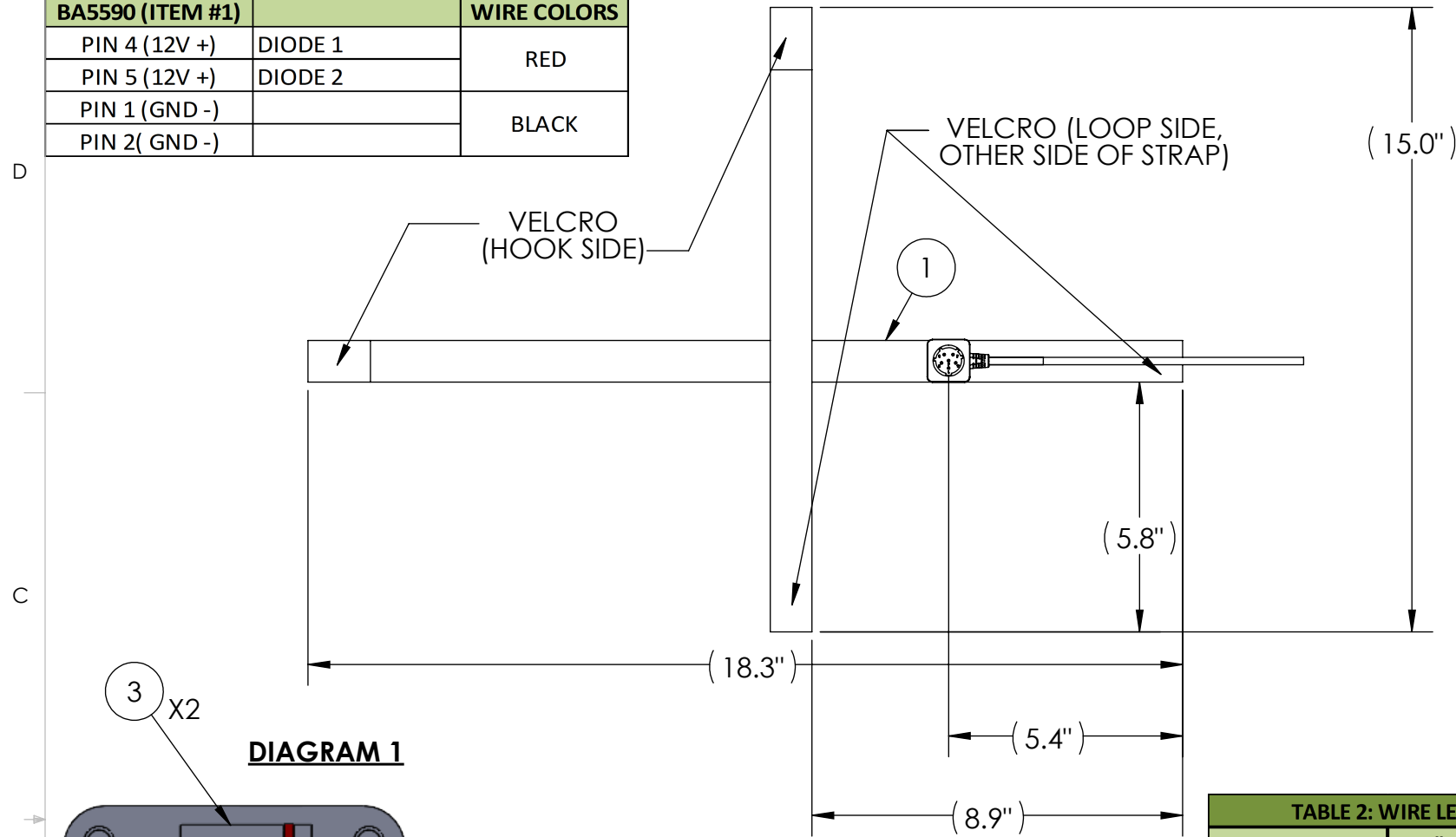


TABLE 1: WIRING		
BA5590 (ITEM #1)		WIRE COLORS
PIN 4 (12V +)	DIODE 1	RED
PIN 5 (12V +)	DIODE 2	
PIN 1 (GND -)		BLACK
PIN 2 (GND -)		

REVISIONS			
REV.	DESCRIPTION	DATE	ENG
J	CHANGED ITEM NO. 2 PN	3/29/2022	MOB
K	ADDED 8FT LENGTH TO TABLE 2	4/11/2022	MOB
L	CHANGE DIODE PN	9/8/2022	MOB



FILL WITH POTTING MATERIAL PRIOR TO ASSEMBLING

DIAGRAM 2

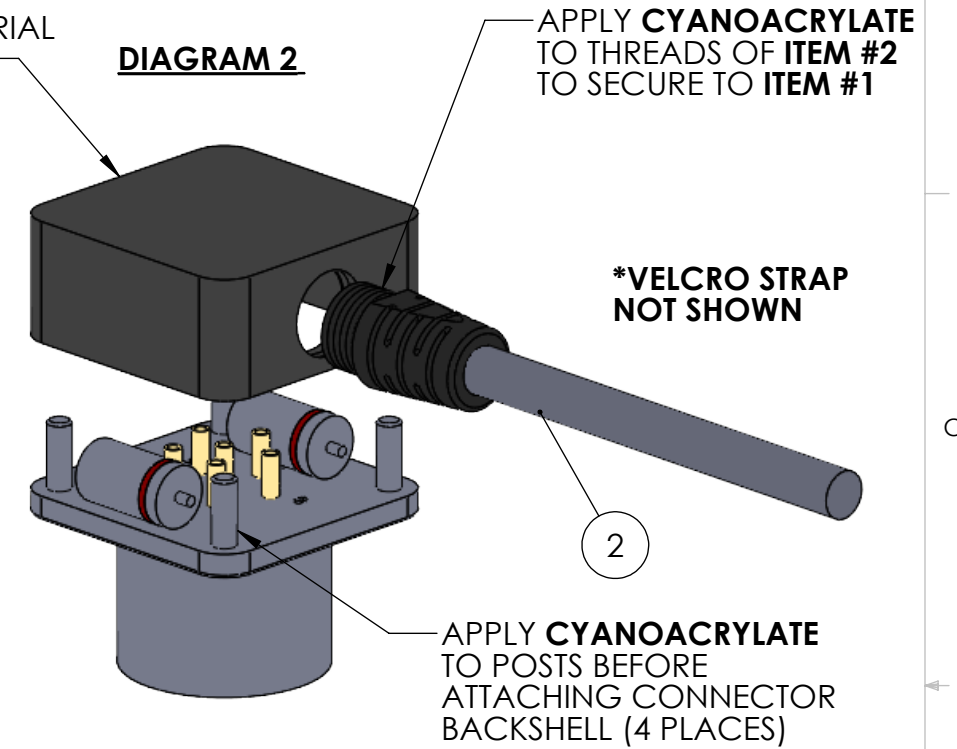


TABLE 2: WIRE LENGTH CHART		
PART NUMBER & PART MARKING	"-XX" DIMENSION (INCHES)	TOLERANCE (INCHES)
191004E-VS-01	12	+1.0", -0.0"
191004E-VS-02	24	+2.0", -0.0"
191004E-VS-03	36	+2.0", -0.0"
191004E-VS-04	48	+2.0", -0.0"
191004E-VS-05	60	+2.0", -0.0"
191004E-VS-06	72	+4.0", -0.0"
191004E-VS-08	96	+4.0", -0.0"

TABLE 2: BILL OF MATERIALS			
ITEM NO.	PART NO	QTY	NAME/DESCRIPTION
1	CONN-BA5590-MTV	1	BA5590 Male Connector, Threaded Backshell, Velcro Strap
2	202C-U07A	1	CABLE: 2C, AWG 20, PU JACKET, OD: 4.6mm
3	SBM1060LLS_AY_00001	2	60V, 10A, DIODE
4	SR:0024	1	8mm THREADED STRAIN RELIEF

ASSEMBLY INSTRUCTIONS:

- CUT CABLE (ITEM #3) TO CORRECT LENGTH ACCORDING TO TABLE 2.
- MAKE SOLDER CONNECTIONS TO ACCORDING TO TABLE 1 AND DIAGRAM 1.
- FILL CAVITY WITH POTTING MATERIAL
- APPLY CYANOACRYLATE TO 4 POSTS OF CONNECTOR (ITEM #2) AS SHOWN IN DIAGRAM 2.
- ATTACH CONNECTOR FACE TO CONNECTOR BACKSHELL. MAKE SURE THAT THE ORIENTATION IS CORRECT ACCORDING TO DRAWING.
- REMOVE 1.65" OF WIRE JACKET FROM UNTERMINATED END OF CABLE (ITEM #1). STRIP AND TIN WIRES ACCORDING TO DRAWING.
- IDENTIFICATION: BAG AND IDENTIFY ON PACKAGING THE FOLLOWING INFORMATION FOR EACH PART DELIVERED.
PN: 191004E-VS-XX ("XX" & REV AS PER PO)
CAGE CODE: 1HJX9
MFD: MM/YY
- ASSEMBLY SHALL BE TESTED 100% FOR SHORTS, CONTINUITY, AND JACKET RESISTANCE (250V @ 100MOHM MIN.)

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN: INCHES
 TOLERANCES: .XX: ± 0.03
 .XXX: ± 0.005
 ANGULAR: .X°: 1°
 .XX°: 0.5°
 BREAK EDGES: .005 - .020
 FILLETS: .005 - .020
 SURFACE FINISH:
 GEOMETRIC TOLERANCING PER: ASME Y14.5 -2009
 MATERIAL: SEE DRAWING NOTES
 FINISH: SEE DRAWING NOTES
 DO NOT SCALE DRAWING

NAME	DATE
DRAWN TC	3/18/21
CHECKED RB	3/18/21
COMMENTS:	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SUPPLYNET, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SUPPLYNET INC. IS PROHIBITED.	
CAGE CODE: 1HJX9	

REF. NUMBER: SN0617
SupplyNet 706 EXECUTIVE BLVD. SUITE B VALLEY COTTAGE, NY 10989
 TITLE:
BA-5590 12 VDC CABLE WITH VELCRO STRAP
 SIZE DWG. NO. REV
B 191004E-VS-XX **L**
 SCALE: NA WEIGHT: SHEET 1 OF 1