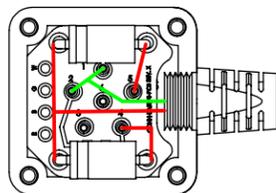


TABLE 1: WIRE RUN LIST	
PIN	WIRE COLORS
4, 5	RED
1, 2	GREEN

\*2 DIODES USED,  
1 ON PIN 4 AND  
1 ON PIN 5.

TABLE 2: WIRE LENGTH CHART		
PART NUMBER & PART MARKING	"-XX" DIMENSION (INCHES)	TOLERANCE (INCHES)
191004E-01	12	+1.0", -0.0"
191004E-02	24	+2.0", -0.0"
191004E-03	36	+2.0", -0.0"
191004E-04	48	+2.0", -0.0"
191004E-05	60	+2.0", -0.0"
191004E-06	72	+4.0", -0.0"
191004E-08	96	+4.0", -0.0"
191004E-10	120	+4.0", -0.0"
191004E-12	144	+6.0", -0.0"
191004E-15	180	+6.0", -0.0"
191004E-20	240	+6.0", -0.0"

WIRING DIAGRAM



REVISIONS			
REV.	DESCRIPTION	DATE	ENG
H	ADDED WIRING DIAGRAM, CLARIFIED NUMBER OF DIODES USED	1/20/21	MOB
J	CAHNGED ITEM NO. 1 PN, ADDED HI-POT NOTES	3/29/22	MOB
K	UPDATED BOM & NOTES	6/2/23	DR

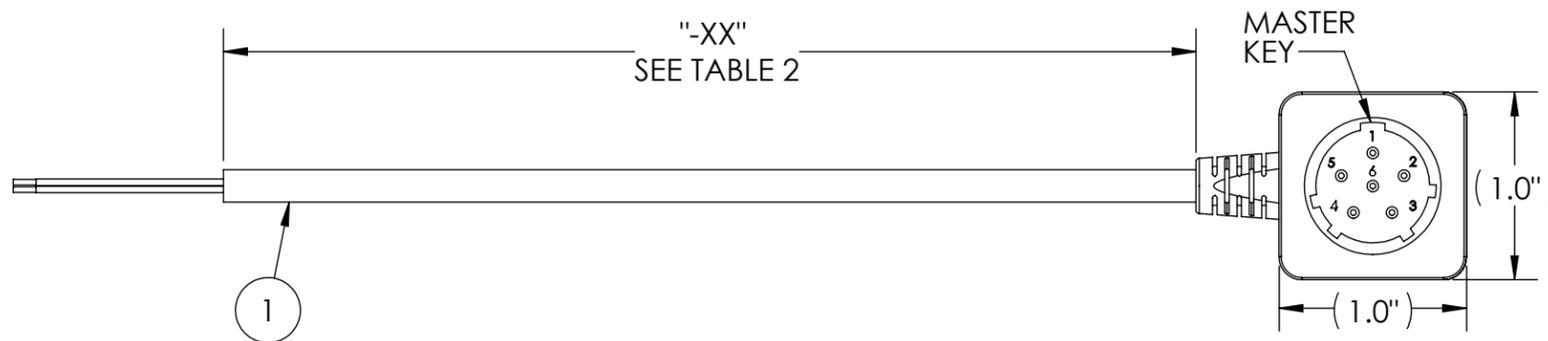


TABLE 2: BILL OF MATERIALS			
ITEM NO.	PART NO	QTY	NAME/DESCRIPTION
1	202C-U07A	XX	CABLE, 2C, AWG 20, PU JACKET, 4.6MM OD
2	CONN-BA5590-MT	1	Male BA5590 with Threaded Backshell
3	SBM1060LSS_AY_00001	2	DIODE SCHOTTKY, 60V, 10A
4	SR:0024	1	THREADED STRAIN RELIEF

NOTES:

1. WIRING SHALL BE DONE IN ACCORDANCE WITH TABLE 1 WIRE RUN LIST.
2. PACKAGING: EACH COMPLETED ASSEMBLY SHALL BE PLACED INTO A ZIP-POLY BAG AND MARKED PER SN-STD-LBL.
2. SOLDERING: IAW IPC-J-STD-001 CLASS 2 AS APPLICABLE
3. ASSEMBLY TO BE 100% TESTED FOR SHORTS, CONTINUITY, AND JACKET RESISTANCE (250V @ 100MOHM MIN.)
4. MANUFACTURE AND INSPECT IAW IPC/WHMA A-620 CLASS 2.

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  
 SUFACE FINISH:  
 GEOMETRIC TOLERANCING  
 PER: ASME Y14.5 -2009  
 MATERIAL: SEE DRAWING NOTES  
 FINISH: SEE DRAWING NOTES  
 DO NOT SCALE DRAWING

NAME	DATE
DRAWN LS	3/29/2019
CHECKED RB	3/29/2019
COMMENTS:	
<b>PROPRIETARY AND CONFIDENTIAL</b> 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.	
<b>CAGE CODE: 1HJX9</b>	

REF. NUMBER: SN0617

**SupplyNet** DESIGN ENGINEERING MANUFACTURING

TITLE: **BA5590 MALE BATTERY CONNECTOR WITH POLYURETHANE JACKET, 12V WITH DIODES, VARIABLE LENGTH**

SIZE <b>B</b>	DWG. NO. <b>191004E-XX</b>	REV <b>K</b>
SCALE: NA	WEIGHT:	SHEET 1 OF 2

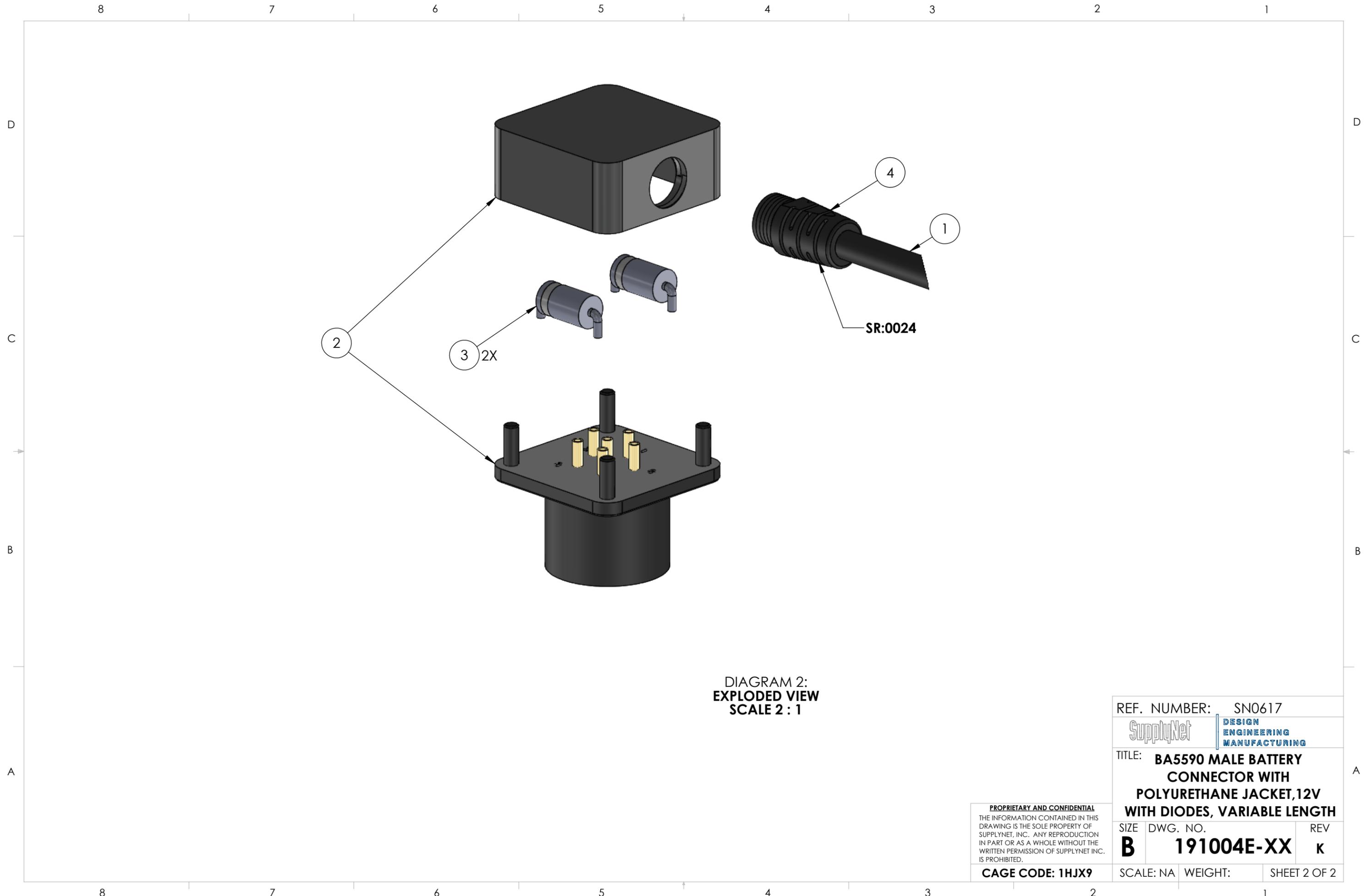


DIAGRAM 2:  
EXPLODED VIEW  
SCALE 2 : 1

**PROPRIETARY AND CONFIDENTIAL**  
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**CAGE CODE: 1HJX9**

REF. NUMBER: SN0617	
	<b>DESIGN ENGINEERING MANUFACTURING</b>
TITLE: <b>BA5590 MALE BATTERY CONNECTOR WITH POLYURETHANE JACKET, 12V WITH DIODES, VARIABLE LENGTH</b>	
SIZE	DWG. NO.
<b>B</b>	<b>191004E-XX</b>
REV	
	<b>K</b>
SCALE: NA	WEIGHT:
SHEET 2 OF 2	