

PART NUMBER: SN0019-A B C-D-E

OPTION A: KEYWAY. SEE SHEET 3. OPTION B: POWER PIN. SEE SHEET 3.

OPTION C: DATA / POGO PIN LOCATION. SEE SHEET 3.

<u>OPTION D</u>: PCB LOCATION. SEE SHEET 4.

OPTION E: ENCLOSURE / STRAP. SEE SHEET 4.

1) ITEM 2 (PCB) TO BE SOLDERED IAW IPC-J-STD-001 AS APPLICABLE.
2) PART NUMBER DETAILING DEFINED ON SHEETS 3 & 4.
3) ITEM 7 (VELCRO STRAP) NOT SHOWN TO LENGTH. ACTUAL LENGTH IS 24".
4) ITEM 10 NOT SHOWN.

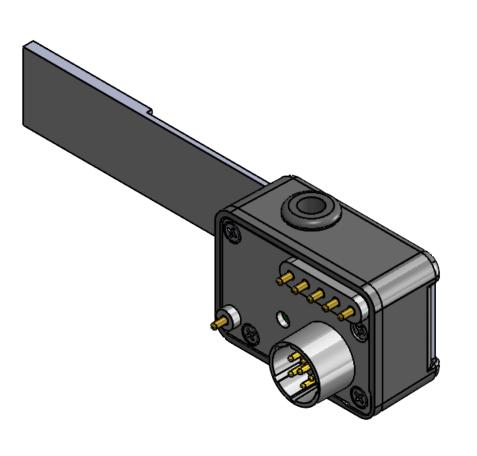
5) ELECTRICAL CONNECTION TABLE IS LOCATED ON SHEET 2.
6) CONTACT CAPS (ITEM 10 PN SN0018-1) ARE INSTALLED ON ALL DESIGNATED CONTACT PINS.

7) MATERIAL: PBT 30% GF

8) CURRENT RATING: 20A PER PIN.

REVISIONS				
REV	DATE	DESCRIPTION OF CHANGE	ENG	
В	10/02/2023	MATERIAL NOTE	CWA	
C	07/24/2024	"-T" ADDED	CWA	
D	09/09/2025	UPDATED DIMENSIONS	CWA	

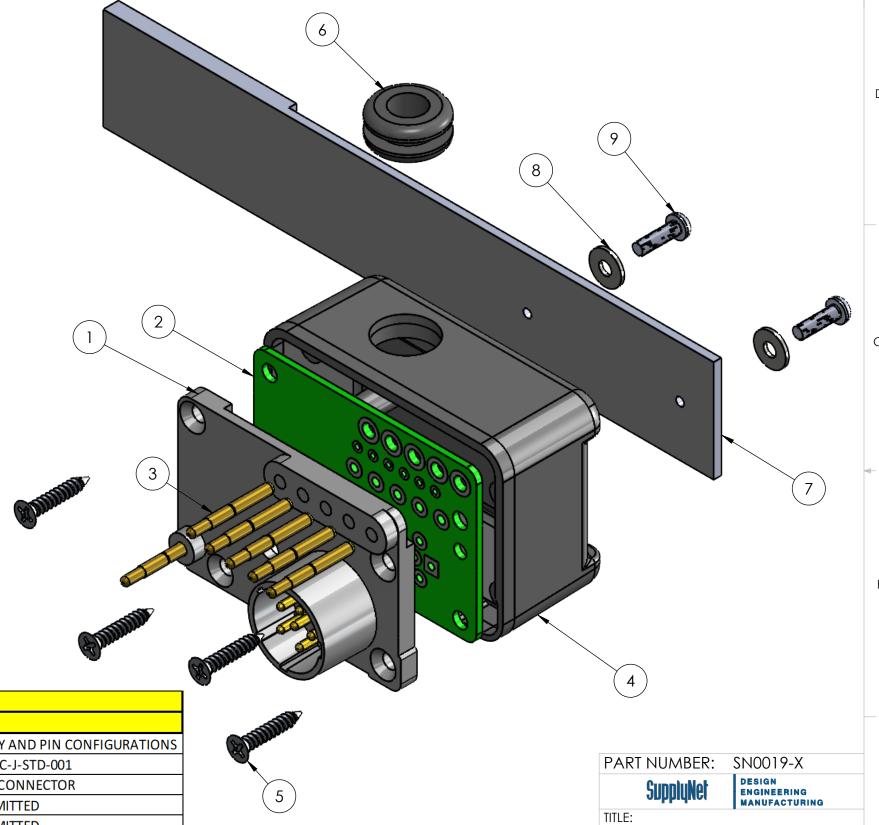
D



				PAR	T NUN	ΛBER:	SN0019-	X
UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Supp		huMot	DESIGN	
DIMENSIONS ARE IN: INCHES	DRAWN	RJB	01/14/13	anhhi		nduci	ENGINEERIN MANUFACTU	
TOLERANCES: .XX: ± 0.03 .XXX: ± 0.005	CHECKED	RJB	01/14/13	TITLE:				
ANGULAR: .X°: 1° .XX°: 0.5° BREAK EDGES: .005020 FILLETS: .005020 SUFACE FINISH:	COMMENTS: PROPRIETARY AND CONFIDENTIAL			CONNECTOR ASSEMBLY				
GEOMETRIC TOLERANCING PER: ASME Y14.5 -2009	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.		SIZE	DWG			REV	
MATERIAL: SEE DRAWING NOTES			В		SNO	019		
FINISH: SEE DRAWING NOTES IS PROHIBITED.				J J .	• • •			
DO NOT SCALE DRAWING	CAGE C	ODE: 1	IHJX9	SCAI	E: NA	WEIGHT	: SH	EET 1 OF 4

WHEN WIRING TO THE PCB (PART NUMBER SN0008-1) USE THE TABLE BELOW TO TO INSURE PROPER CONNECTION AND FUNCTION.

CONNECTOR	SIGNAL DESCRIPTION	LOCATION	WIRE GAGE	WIRE COLOR
J1-1	SECTION A (V-)	E1	AWG 16	BLACK
J1-2	SECTION B (V-)	E2	AWG 16	BLACK / WHITE
J1-3	SECTION A (V-)	E3	AWG 16	NC
J1-4	SECTION A (V+)	E4	AWG 16	RED
J1-5	SECTION B (V+)	E5	AWG 16	RED / WHITE
J1-6	CHARGE ENABLE (-)	E11	AWG 22	BLUE
W1	SECTION A - CLOCK	E6	AWG 22	BROWN
W2	SECTION A - DATA	E7	AWG 22	ORANGE
W3,6	CHARGE ENABLE (+)	E8	AWG 22	YELLOW
W4	SECTION B - CLOCK	E9	AWG 22	VIOLET
W5	SECTION B - DATA	E10	AWG 22	GRAY



PART NUMBER SN0019 GENERAL BILL OF MATERIALS						
ITEM	QTY / ASSY	PART NUMBER	NAME	COMMENTS		
1	1	SN0017-1,-2,-3, or -4	CONNECTOR PIN ASSEMBLY	VARIOUS KEYWAY AND PIN CONFIGURATIONS		
2	0-1	SN0008-1	PRINTED CIRCUIT BOARD	SOLDERED PER IPC-J-STD-001		
3	0-6	SN0009-1	POGO PIN	SPRING LOADED CONNECTOR		
4	0-1	SN0010-1	ENCLOSURE	PROVIDED OR OMITTED		
5	0-4	SN0012-1	MOUNTING SCREW	PROVIDED OR OMITTED		
6	0-1	SN0011-1	GROMMET	PROVIDED OR OMITTED		
7	0-1	SN0013-1	VELCRO STRAP	PROVIDED OR OMITTED		
8	0-2	SN0015-1	STRAP MOUNTING WASHER	PROVIDED OR OMITTED		
9	0-2	SN0014-1	STRAP MOUNTING SCREW	PROVIDED OR OMITTED		
10	0-6	SN0018-1	CONTACT PIN CAP	NOT SHOWN. TYPICALLY USED ON OPEN PINS		

CONNECTOR **ASSEMBLY** PROPRIETARY AND CONFIDENTIAL
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IS PROJUBITED. B SN0019

CAGE CODE: 1HJX9

SCALE: NA WEIGHT: SHEET 2 OF 4

D

3

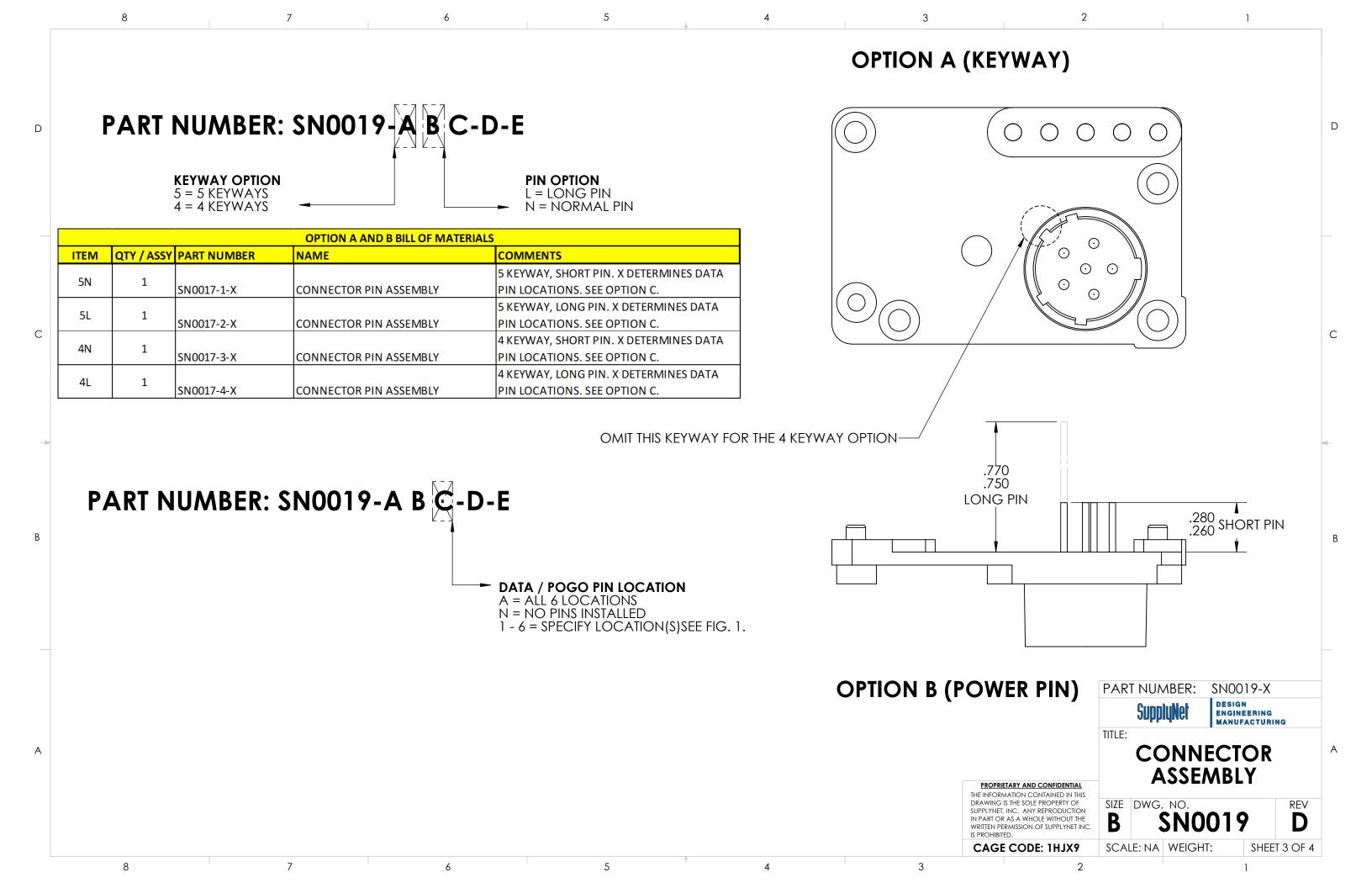


FIGURE 2. ENCLOSURE AND STRAP BILL OF MATERIALS

ENCLOSURE AND STRAP BILL OF MATERIALS						
ITEM	QTY / ASSY	PART NUMBER	NAME			
4	1	SN0010-1	ENCLOSURE			
6	1	SN0011-1	GROMMET			
7	1	SN0013-1	VELCRO STRAP			
8	2	SN0015-1	STRAP MOUNTING WASHER			
9	2	SN0014-1	STRAP MOUNTING SCREW			

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PRINTED CIRCUIT BOARD OPTION

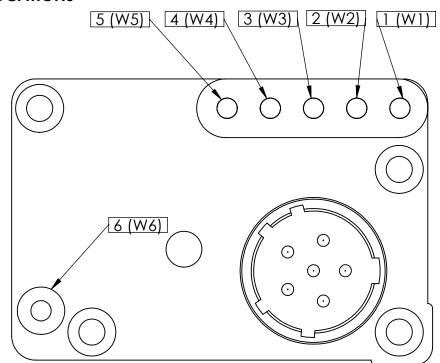
0 = NOT PROVIDED

1 = PROVIDED, NOT SOLDERED -

2 = CUSTOM PCB PN SN0225 (PROVIDED NOT SOLDERED)

T = PROVIDED, THREADED

FIGURE 1. CONTACT PIN LOCATIONS



ENCLOSURE & STRAP (SN0011-1 (GROMMET) SUPPLIED WITH ENCLOSURE).

0 = OMITTED

1 = PROVIDED, NOT FASTENED (SEE FIG 2 FOR ENCLOSURE & STRAP BOM).

3

2 = STRAP AND STRAP HARDWARE.

3 = STRAP ONLY

4 = ENCLOSURE AND GROMMET ONLY

PART NUMBER EXAMPLE: SN0019-5N1356-1-1

PART NUMBER DESCRIPTION: THE ABOVE PART NUMBER IS A 5 KEYWAY / NORMAL PIN CONFIGURATION WITH THE PCB PROVIDED. IT ALSO HAS CONTACT PINS IN LOCATIONS 1, 3, 5, AND 6. THE ENCLOSURE AND STRAP ARE PROVIDED WITH THE REQUIRED HARDWARE. THE PART HAS CAPS PROVIDED.

