

| TABLE 1: WIRE RUN LIST | | |
|------------------------|---------------|-------|
| P1 | WIRE COLOR | P2 |
| 1 | BLACK | 1 |
| 2 | DARK GREEN | 2 |
| 3 | DARK ORANGE** | 3 |
| 4 | YELLOW | 4 |
| 5 | LIGHT GREEN* | 5 |
| 6 | BLUE | 6 |
| 7 | CLEAR | 7 |
| 8 | VIOLET | 8 |
| 9 | GRAY | 9 |
| 10 | DARK BLUE** | 10 |
| 11 | TAN | 11 |
| 12 | LIGHT BLUE* | 12 |
| 13 | CLEAR | 13 |
| 14 | PINK | 14 |
| 15 | BROWN | 15 |
| 16 | RED | 16 |
| 17 | ORANGE | 17 |
| 18 | WHITE | 18 |
| 19 | GREEN | 19 |
| SHELL | SHIELD | SHELL |

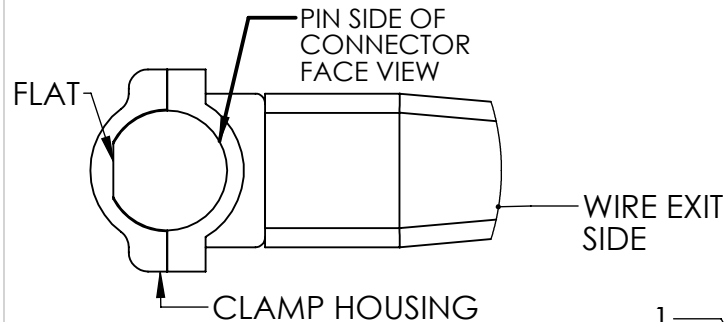
***CAP AND STOW UNUSED WIRES.
PLACE SHRINK BOOT OVER DRAIN WIRE.

D

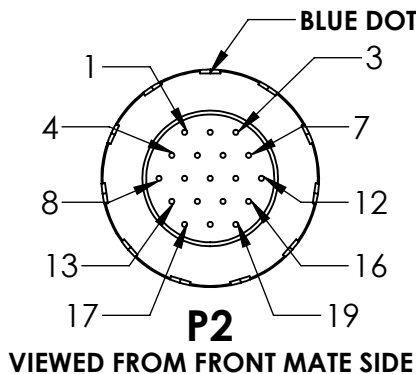
C

B

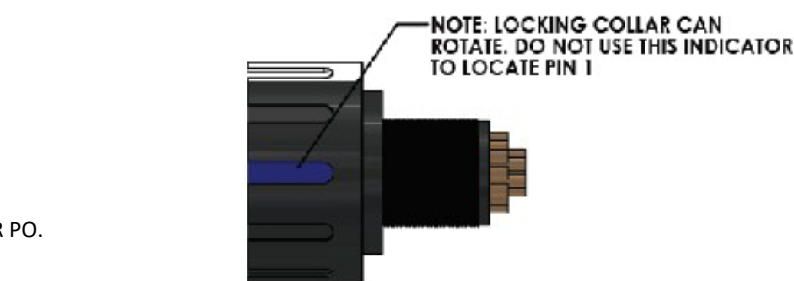
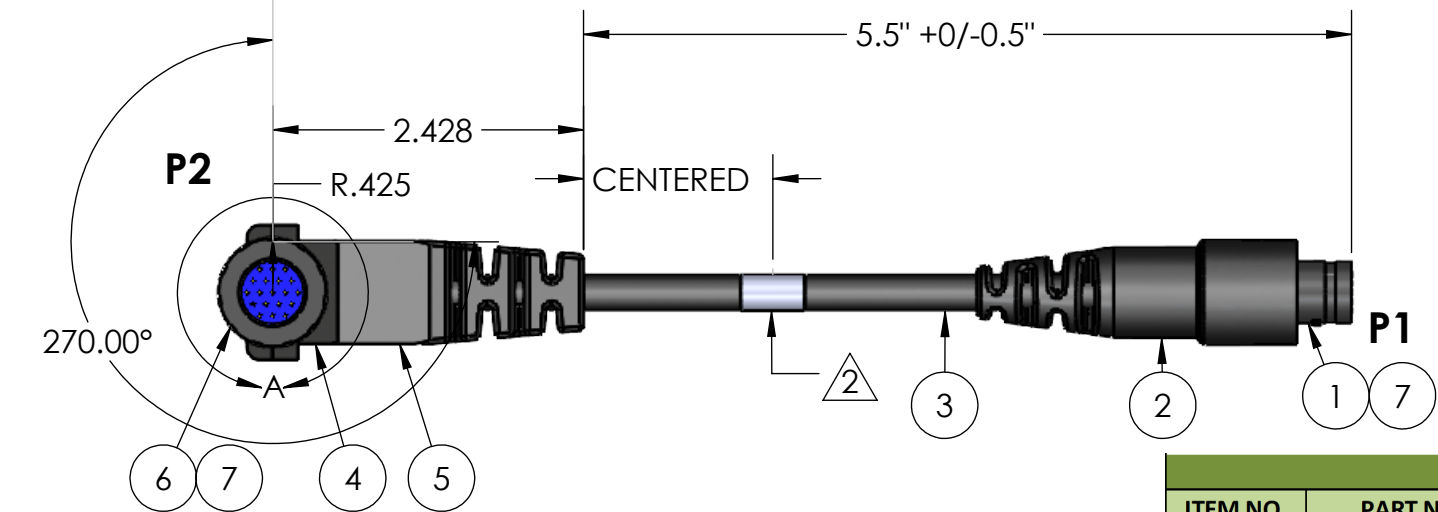
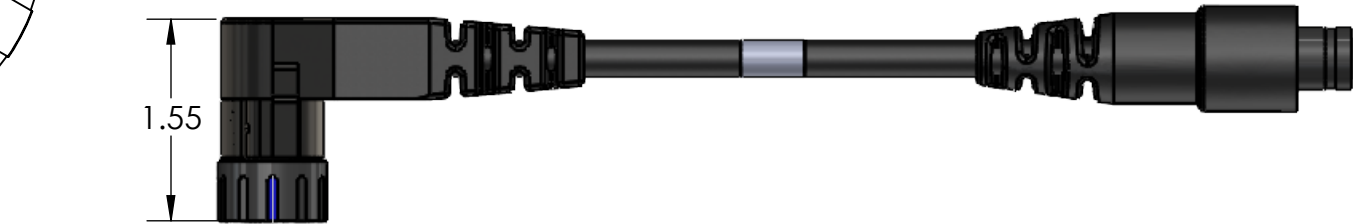
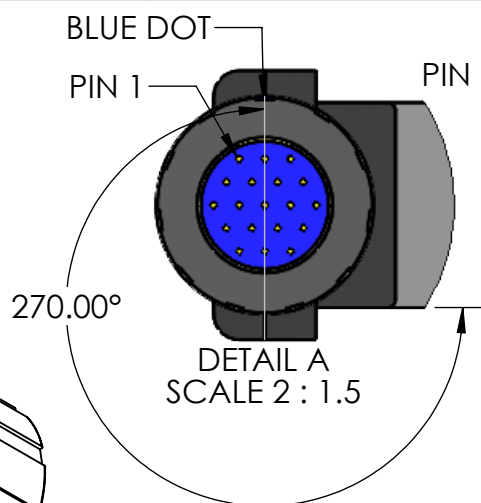
A



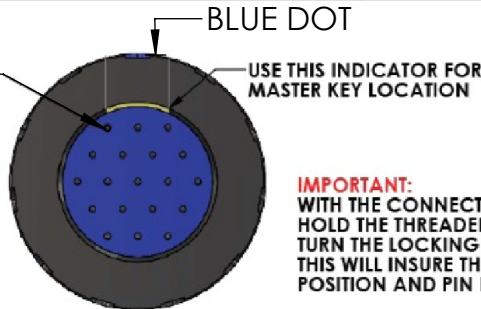
VIEWS FROM FACE OF
19 PIN CONNECTOR CLAMP
CONNECTOR HIDDEN TO SHOW
CLAMP.



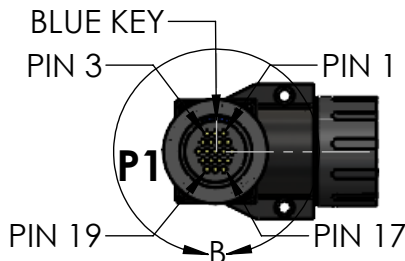
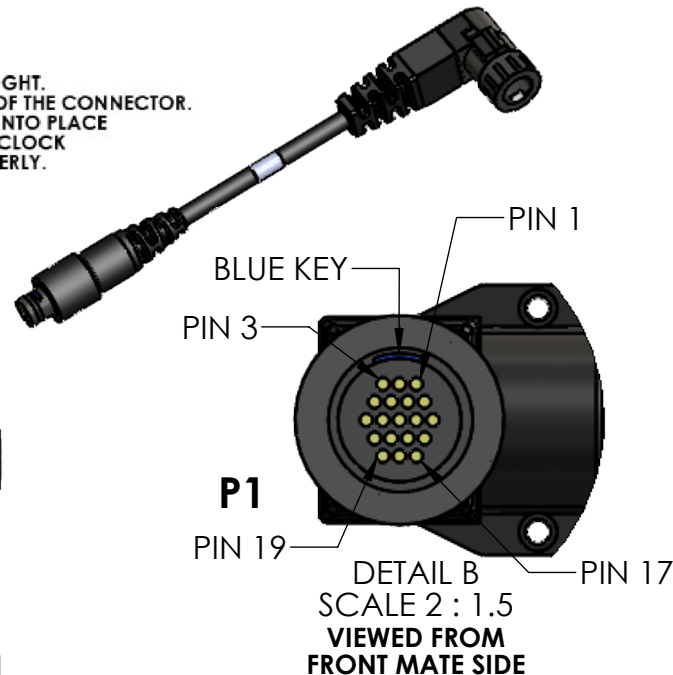
VIEWED FROM FRONT MATE SIDE



NOTE: LOCKING COLLAR CAN
ROTATE. DO NOT USE THIS INDICATOR
TO LOCATE PIN 1



IMPORTANT:
WITH THE CONNECTOR IN THE FACE VIEW AS TO THE RIGHT.
HOLD THE THREADED SECTION ON THE BACK SIDE OF THE CONNECTOR.
TURN THE LOCKING RING CLOCKWISE UNTIL IT SNAPS INTO PLACE
THIS WILL INSURE THAT THE MASTER KEY IS IN THE 12 O'CLOCK
POSITION AND PIN NUMBER 1 CAN BE LOCATED PROPERLY.



| REVISIONS | | | |
|-----------|-----------------|------------|-----|
| REV | DESCRIPTION | DATE | ENG |
| A | INITIAL RELEASE | 09/10/2025 | CWA |

| BILL OF MATERIALS | | | |
|-------------------|------------------|-----|------------------------------|
| ITEM NO. | PART NUMBER | QTY | NAME/DESCRIPTION |
| 1 | 078426-0000 | 1 | 19 PIN CIRCULAR CONN. FEMALE |
| 2 | TBD | 1 | OVERMOLD FOR 078426-0000 |
| 3 | 51234 | 1 | 19C AWG 26 .270 OD CABLE |
| 4 | SN-448-7873-007R | 1 | 90 DEGREE ELBOW |
| 5 | TBD | 1 | OVERMOLD FOR 078379-6100 |
| 6 | 078379-6100 | 1 | 19 PIN CIRCULAR CONN. MALE |
| 7 | BE-04 OR EQU. | 2 | BANDING CLAMP |

NOTES:
1. WIRING SHALL BE DONE IN ACCORDANCE WITH TABLE 1 WIRE RUN LIST.

2. MARKING REQUIREMENTS:

- LABEL(S) SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-130 APPLICABLE.
- LABEL(S) SHALL BE WHITE WITH BLACK TEXT.
- LABEL(S) SHALL BE PLACED WHERE SHOWN IN DRAWING.
- ADHESIVE WRAP AROUND LABEL(S) TO BE USED.
- LABEL(S) SHALL BE MARKED WITH THE BELOW INFORMATION ONLY. REV MARKING PER PO.
(YYYY = YEAR OF MFG, MM = MONTH OF MFG, DD, DAY OF MFG, XXXX = PO NUMBER)

PN: SN-FALCON4-ADF-C270 REV. X
CAGE: 1HJX9
LOT: TYYYYMMDDPXXXXX

3. PACKAGING REQUIREMENTS:

- EACH COMPLETED ASSEMBLY SHALL BE PACKAGED IN A ZIP POLYBAG.
- CONNECTOR(S) SHALL BE PACKAGED TO PREVENT DAMAGE DURING SHIPPING. BUBBLE WRAP OR PROTECTIVE COVER MUST BE USED.
- POLYBAG SHALL BE MARKED WITH SUPPLYNET LOGO, PRODUCT QR CODE, PART NUMBER, CAGE CODE, AND LOT NO, PER SN-STD-LBL REQUIREMENTS.

4. WORKMANSHIP REQUIREMENTS:

- MANUFACTURE TO IAW/WHMA A-620 CLASS 2 REQUIREMENTS.
- SOLDERING SHALL BE COMPLIANT WITH IAW J-STD-001 AS APPLICABLE.
- CONNECTOR(S) AND WIRE SHALL BE FREE FROM ANY SCRATCHES, CHIPS, AND DEFECTS.

5. INSPECTION REQUIREMENTS:

- EACH COMPLETED ASSEMBLY TO BE 100% TESTED FOR SHORTS, CONTINUITY, AND JACKET RESISTANCE (250V @100MOHM MIN.)
- INSPECT TO IPC/WHMA A-620 CLASS 2 REQUIREMENTS.

| | | | | | | | |
|--|--|---|------|----------------------------|--|---|--|
| UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | <div>SupplyNet</div> | | <div>DESIGN ENGINEERING MANUFACTURING</div> | |
| DIMENSIONS ARE IN: INCHES | | DRAWN | CWA | 09/10/2025 | TITLE: CABLE ASSEMBLY ADF EXTENSION CABLE 270° ANGLE | | |
| TOLERANCES: .XX: ± 0.03 | | CHECKED | RB | 09/10/2025 | | | |
| .XXX: ± 0.005 | | COMMENTS: | | | | | |
| ANGULAR: .X°: 1° | | | | | | | |
| .XX°: 0.5° | | | | | | | |
| BREAK EDGES: .005 - .020 | | | | | | | |
| FILLETS: .005 - .020 | | | | | | | |
| SURFACE FINISH: | | | | | | | |
| GEOMETRIC TOLERANCING PER: ASME Y14.5 -2009 | | <u>PROPRIETARY AND CONFIDENTIAL</u> 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. | | | | | |
| MATERIAL: SEE DRAWING NOTES | | SIZE | | DWG. NO. | | REV | |
| FINISH: SEE DRAWING NOTES | | B | | SN-FALCON4-ADF-C270 | | A | |
| DO NOT SCALE DRAWING | | CAGE CODE: 1HJX9 | | SCALE: NA | | WEIGHT: | |
| | | | | | | SHEET 1 OF 2 | |

REF NUMBER: SN1434

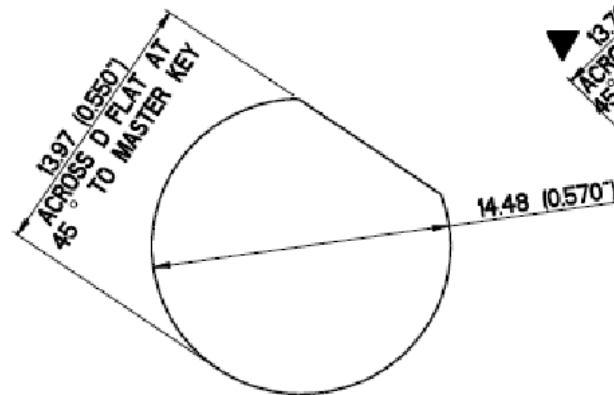
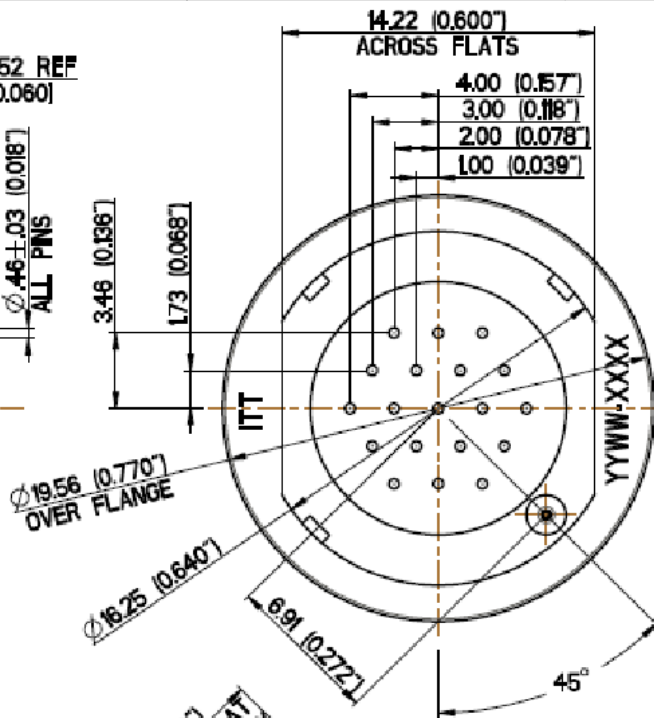
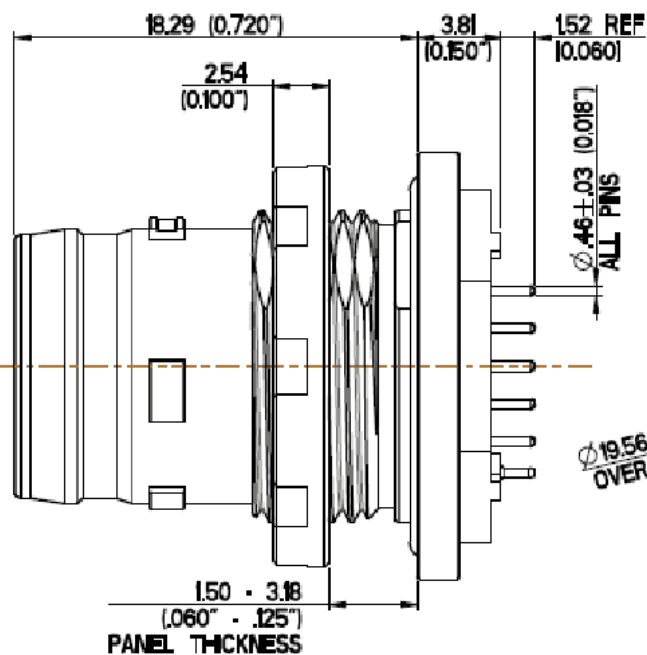
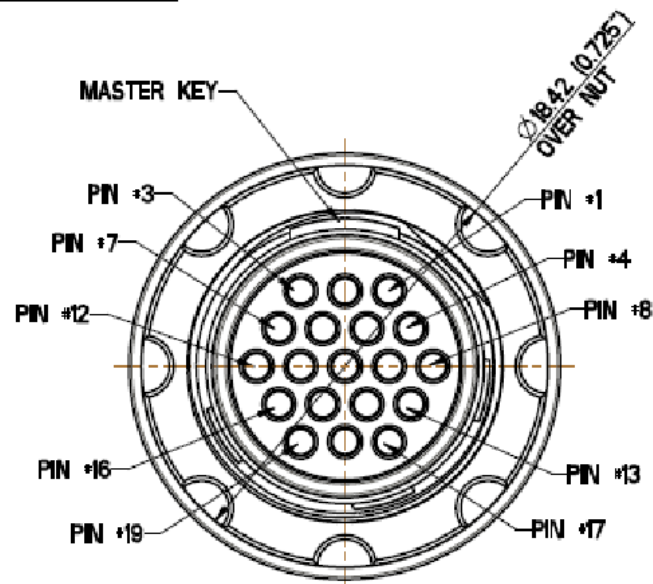
SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE:
**CABLE ASSEMBLY
ADF EXTENSION CABLE
270° ANGLE**

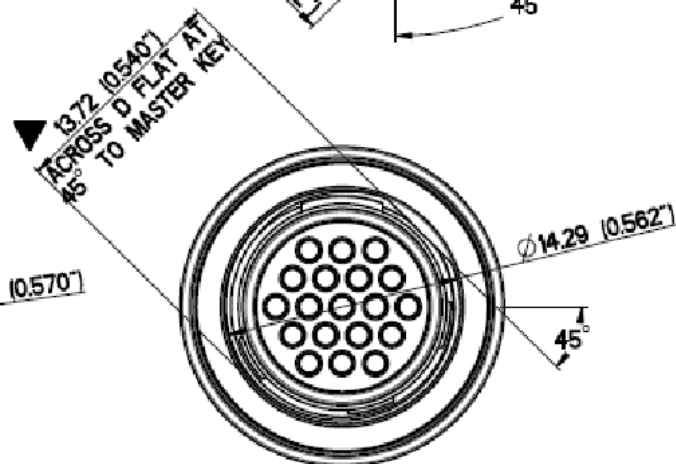
SIZE DWG. NO. REV

B SN-FALCON4-ADF-C270 **A**

DOCUMENT IS COMMERCIAL AND
SUBJECT TO EXPORT CONTROL.

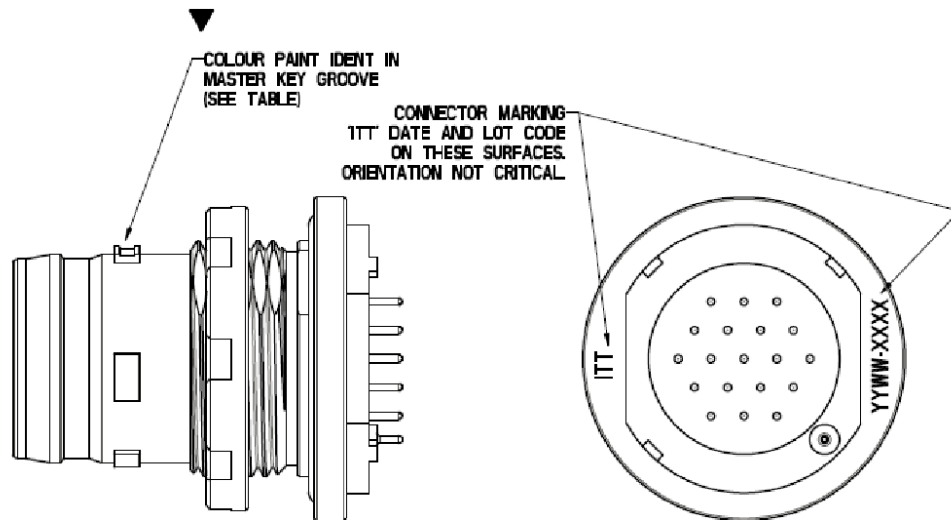
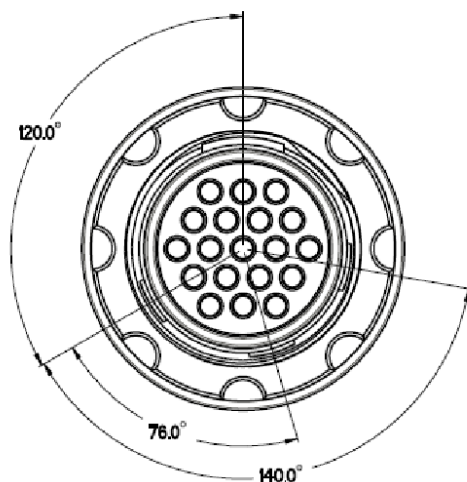


PANEL CUTOUT DETAIL
NOT TO SCALE



DIMENSIONS FOR PANEL MOUNTING
WITH JAM NUT REMOVED
SCALE 3/1

- NOTE
1. DIMENSIONS ARE NOMINAL UNLESS STATED OTHERWISE
 2. MATERIALS / FINISH :-
BODY PARTS.....ST. STEEL.....BLACK ELECTROLESS NICKEL
INSULATORS.....HIGH TEMPERATURE THERMOPLASTIC.
CONTACTS.....COPPER ALLOY.....GOLD.
O RING.....FLUOROSILICONE RUBBER
 3. FOR KEYING OPTIONS SEE SHEET 2
 4. TO SUIT 0.062" THICK PCB.
 5. ELECTRICAL RATING 50 VDC, 2A CONTINUOUS, 3A PEAK
(LIMITED BY MATING HALF).
IR > 5000 Mohms (> 1000 Mohm after immersion) 100 vdc
DWV > 500v
 6. OPERATING TEMPERATURE -55°C TO +125°C
 7. NOMENCLATURE NEMHMD719PPNT-B2-002
 8. RECEPTACLE SUITABLE FOR TERMINATION TO STANDARD (NEMHMSB)
AND DUAL COUPLING (NEM_DC) PLUGS.
 9. CONNECTOR SUITABLE FOR IP68 IMMERSION, 20m FOR 2 HOURS.
 10. ▼ DENOTES CRITICAL INSPECTION FEATURE



COLOUR PAINT IDENT IN
MASTER KEY GROOVE
(SEE TABLE)

CONNECTOR MARKING
ITT DATE AND LOT CODE
ON THESE SURFACES.
ORIENTATION NOT CRITICAL

| SEE NOTE 10. | | | | |
|----------------------|-----------------|----------|------|---------|
| DESCRIPTION | ITT PART NUMBER | CODE REF | ∠ P | COLOUR |
| NEMHMD719PPNT-B2-002 | 078426-0000 | N | 120° | D. BLUE |
| NEMHMD719PPAT-B2-002 | 078426-0001 | A | 132° | RED |
| NEMHMD719PPBT-B2-002 | 078426-0002 | B | 108° | GREEN |
| NEMHMD719PPCT-B2-002 | 078426-0003 | C | 96° | GREY |
| NEMHMD719PPDT-B2-002 | 078426-0004 | D | 84° | YELLOW |

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN: INCHES
TOLERANCES: .XX: ± 0.03
.XXX: ± 0.005
ANGULAR: .X°: 1°
.XX°: 0.5°
BREAK EDGES: .005 - .020
FILLET: .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

CWA09/10/2025

CHECKED

RB 09/10/2025

COMMENTS:

PROPRIETARY AND CONFIDENTIAL

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SupplyNet

DESIGN
ENGINEERING
MANUFACTURING

TITLE:

CABLE ASSEMBLY
ADF EXTENSION CABLE
270° ANGLE

SIZE

B

DWG. NO.

SN-FALCON4-ADF-C270

REV

A

SCALE: NA

WEIGHT:

SHEET 2 OF 2

THIS SHEET IS FOR ITEM #1 ONLY.
ALL NOTES, DIMENSIONS AND
INFO APPLY ONLY TO ITEM #1.
P/N: 078426-0000