

6

5

4

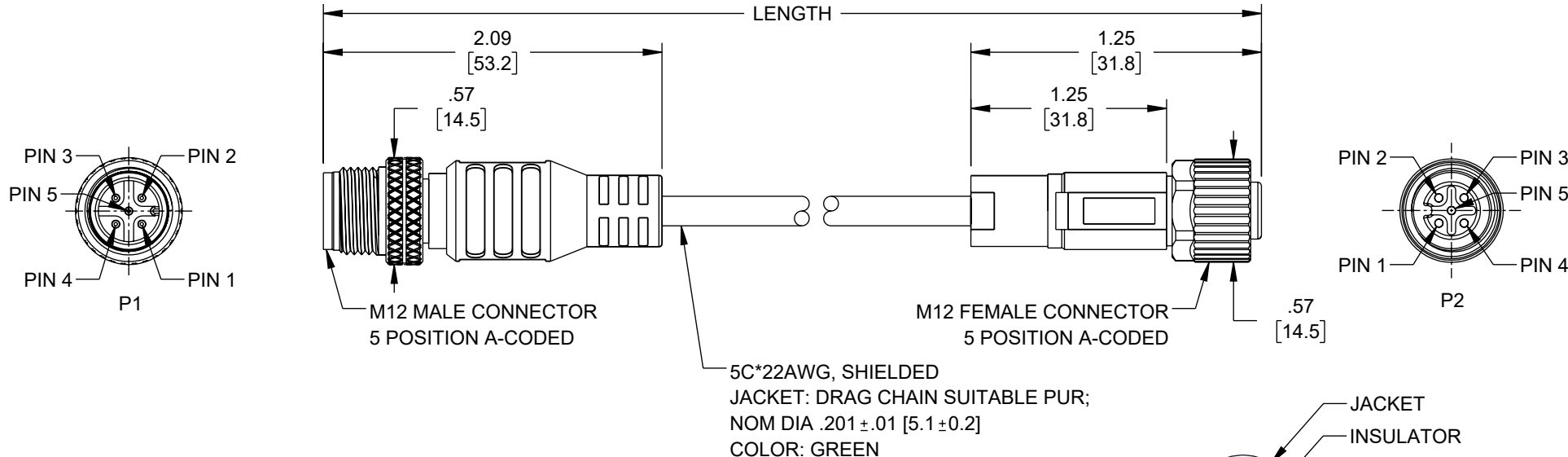
3

2

1

## REVISION

| ZONE | REV | DESCRIPTION           | DATE       | CHANGED BY | APPROVED |
|------|-----|-----------------------|------------|------------|----------|
|      | B   | UPDATED PER ECO-13673 | 06/25/2024 | HBAKKE     | DGUST    |



## NOTES:

## ELECTRICAL:

- NOMINAL VOLTAGE: 300 V.
- OPERATING VOLTAGE: 60 V DC/AC MAX.
- OPERATING CURRENT PER CONTACT: 4 A MAX.

## APPLICATION:

- INGRESS PROTECTION RATING IS IP67 (MATED)
- RECOMMENDED TORQUE VALUE: 0.6 Nm
- BEND RADIUS FIXED: 40.8 mm MIN.
- BEND RADIUS MOBILE: 76.5 mm MIN.

## ENVIRONMENTAL:

- TEMPERATURE RANGE FIXED: -25°C TO +80°C
- TEMPERATURE RANGE MOBILE: -25°C TO +70°C
- CABLE JACKET RESISTANCE: OIL
- CABLE JACKET FLAME RATING: HB (UL 94).

## MISCELLANEOUS

- CABLE ASSEMBLY TO BE TESTED FOR CONTINUITY.
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.

## REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENTLY RELEASED VERSION).

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

6

5

4

3

2

1

| P1      | WIRE MAP | P2      |
|---------|----------|---------|
| BROWN 1 |          | 1 BROWN |
| WHITE 2 |          | 2 WHITE |
| BLUE 3  |          | 3 BLUE  |
| BLACK 4 |          | 4 BLACK |
| GRAY 5  |          | 5 GRAY  |
| S       |          | S       |

| ITEM NO          | LENGTH [TOL.] |                    |
|------------------|---------------|--------------------|
|                  | METERS [mm]   | FEET [IN]          |
| M12A502S-P2N-05M | 0.5 [+35/-15] | 1.64 [+1.38/- .59] |
| M12A502S-P2N-1M  | 1 [+35/-20]   | 3.28 [+1.38/- .79] |
| M12A502S-P2N-2M  | 2 [+35/-30]   | 6.56 [+1.38/-1.18] |
| M12A502S-P2N-3M  | 3 [+35/-30]   | 9.84 [+1.38/-1.18] |
| M12A502S-P2N-5M  | 5 [±60]       | 16.40 [±2.36]      |
| M12A502S-P2N-10M | 10 [±80]      | 32.81 [±3.15]      |
| M12A502S-P2N-15M | 15 [±80]      | 49.21 [±3.15]      |

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

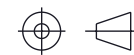
TOLERANCES:  
X = ±.2 [5] FRACTIONS  
.XX = ±.02 [0.5] ± 1/32  
.XXX = ±.005 [0.13] ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
≤12 [305] = +1 [25] / -0  
>12 [305] ≤ 60 [1524] = +2 [51] / -0  
>60 [1524] ≤ 120 [3048] = +4 [102] / -0  
>120 [3048] ≤ 300 [7620] = +6 [152] / -0  
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY  
AND SUBJECT TO CHANGE WITHOUT NOTICE.  
UN-DIMENSIONED NON-CRITICAL FEATURES  
MAY VARY IN SIZE AND LOCATION  
COLORS MAY VARY

**Show Me**  
CABLES  
an INFINIT® brand

Website: [www.ShowMeCables.com](http://www.ShowMeCables.com)  
Phone: 1.888.519.9505



INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE SHEET  
NONE 1 OF 1

## DESCRIPTION

M12 5 POLE A CODE, 22AWG, SHD PUR, MF, GRN

| SIZE | CAGE CODE | DRAWN BY | ITEM NO.     | REV |
|------|-----------|----------|--------------|-----|
| A    | 3SVT8     | KGLEBOVA | M12A502S-P2N | B   |