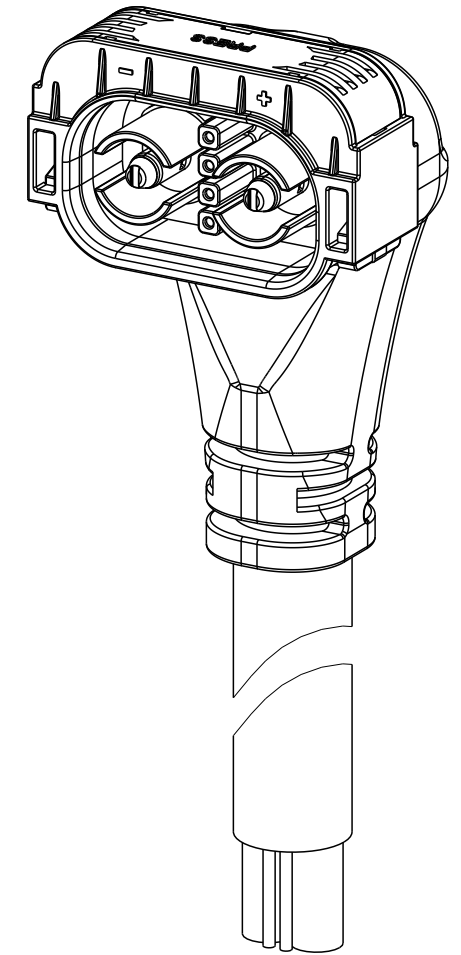
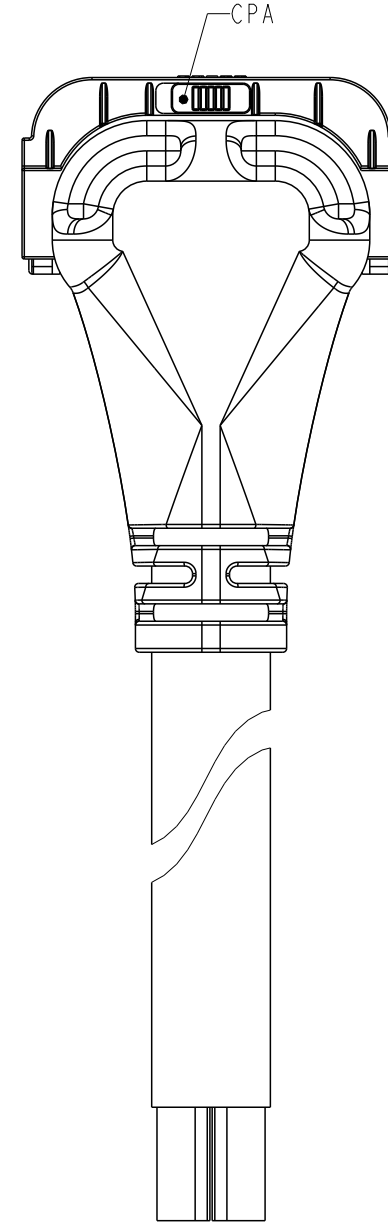
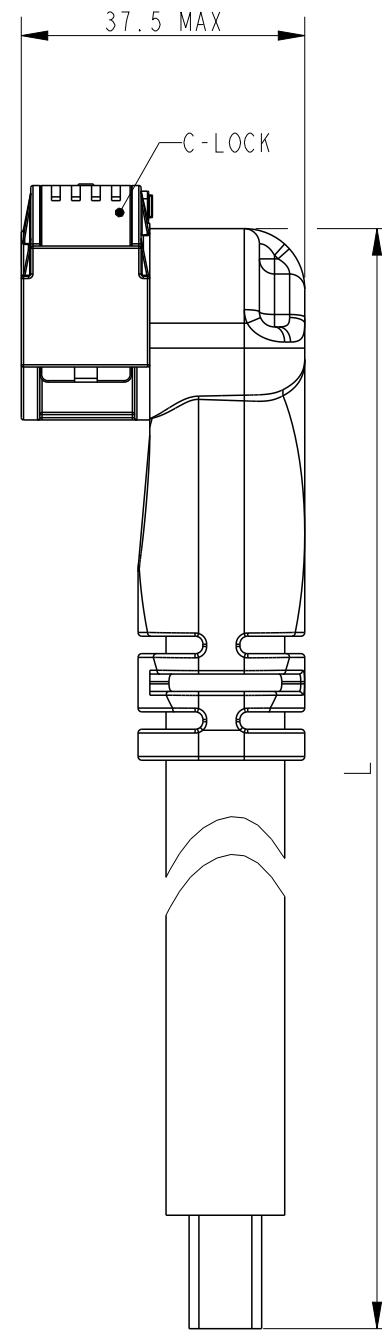
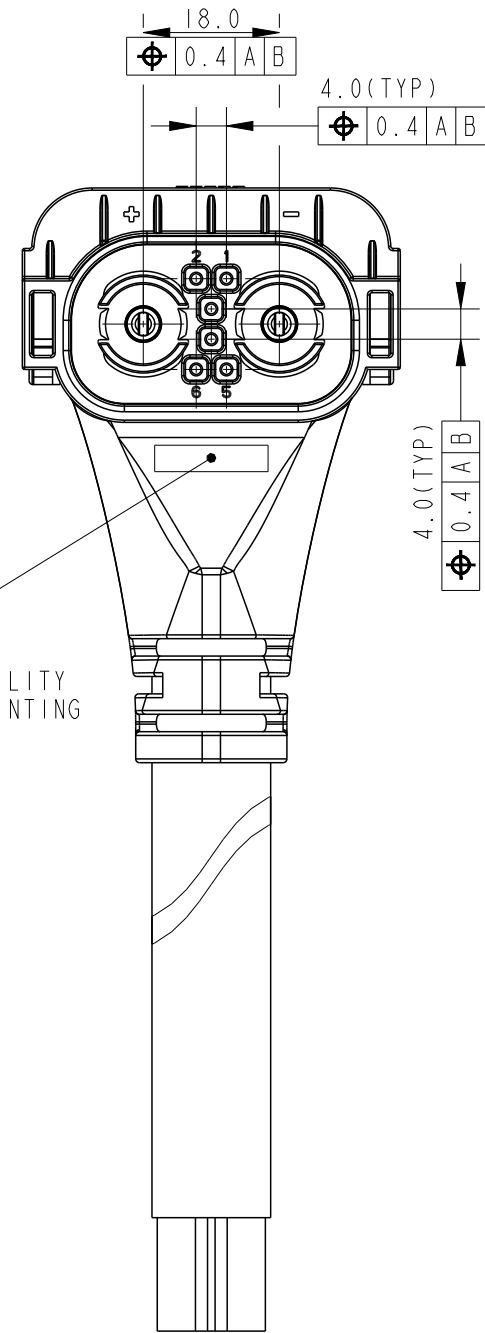
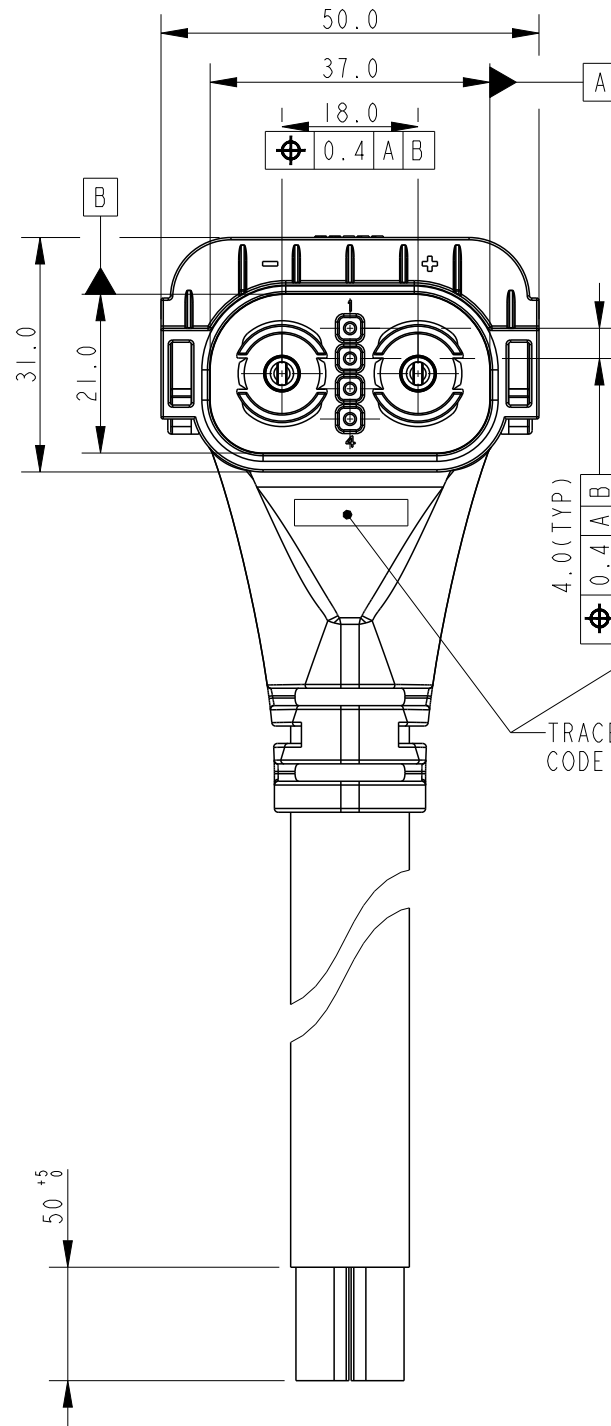


AU10169534-X24XXLF  
2 POWER, 4 SIGNAL VARIANT

AU10169534-X26XXLF  
2 POWER, 6 SIGNAL VARIANT

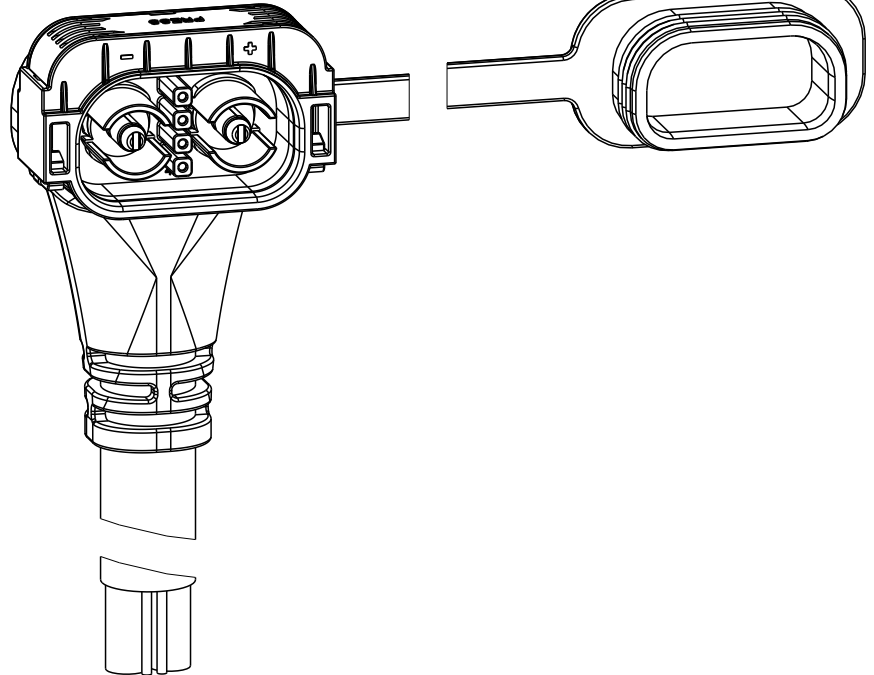


| CABLE LENGTH TOLERANCE TABLE |                 |
|------------------------------|-----------------|
| LENGTH                       | TOLERANCE       |
| <=0.3 M                      | +25 MM -0 MM    |
| >0.3 M - 1.5 M               | +50 MM -0 MM    |
| >1.5 M - 3 M                 | +100 MM -0 MM   |
| >3.0 M - 7.5 M               | + 150 MM - 0 MM |

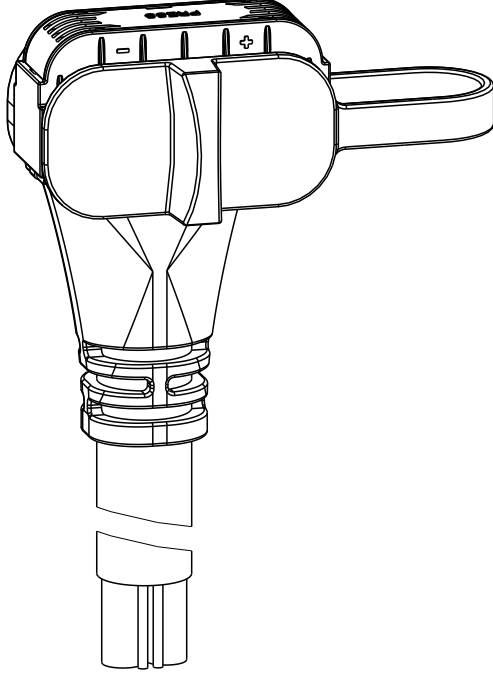
|        |        |
|--------|--------|
| ITEM   | COLOR  |
| CPA    | YELLOW |
| C-LOCK | RED    |

|               |                                       |         |       |              |                  |               |                                   |                           |                |               |              |     |
|---------------|---------------------------------------|---------|-------|--------------|------------------|---------------|-----------------------------------|---------------------------|----------------|---------------|--------------|-----|
| spec ref      |                                       |         |       | dr           | Prakash, Pravi   | 2022/12/30    | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size           | A3            | scale        | 1:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |       | eng          | A Srikar         | 2024/01/25    |                                   |                           | ecn no         | ELX-I-50484-1 |              |     |
|               |                                       |         |       | chr          | -                | -             |                                   |                           | rel level      |               |              |     |
|               |                                       |         |       | appr         | P-Mathew Nebu    | 2024/01/24    |                                   |                           | product family |               |              | -   |
| surface       | linear                                | 0.X     | ±0.5  | Amphenol FCI | title            | PLUG ASSEMBLY |                                   |                           | dwg no         | 10169536      |              | rev |
|               |                                       | 0.XX    | ±0.25 |              |                  |               |                                   |                           |                |               |              |     |
|               |                                       | 0.XXX   | ±     |              |                  |               |                                   |                           |                |               |              |     |
|               | ISO 1302                              | angular | 0°    | ±°           | amphenol-icc.com | cat. no.      | -                                 | Product - Customer Drw    |                |               | sheet 1 of 4 |     |

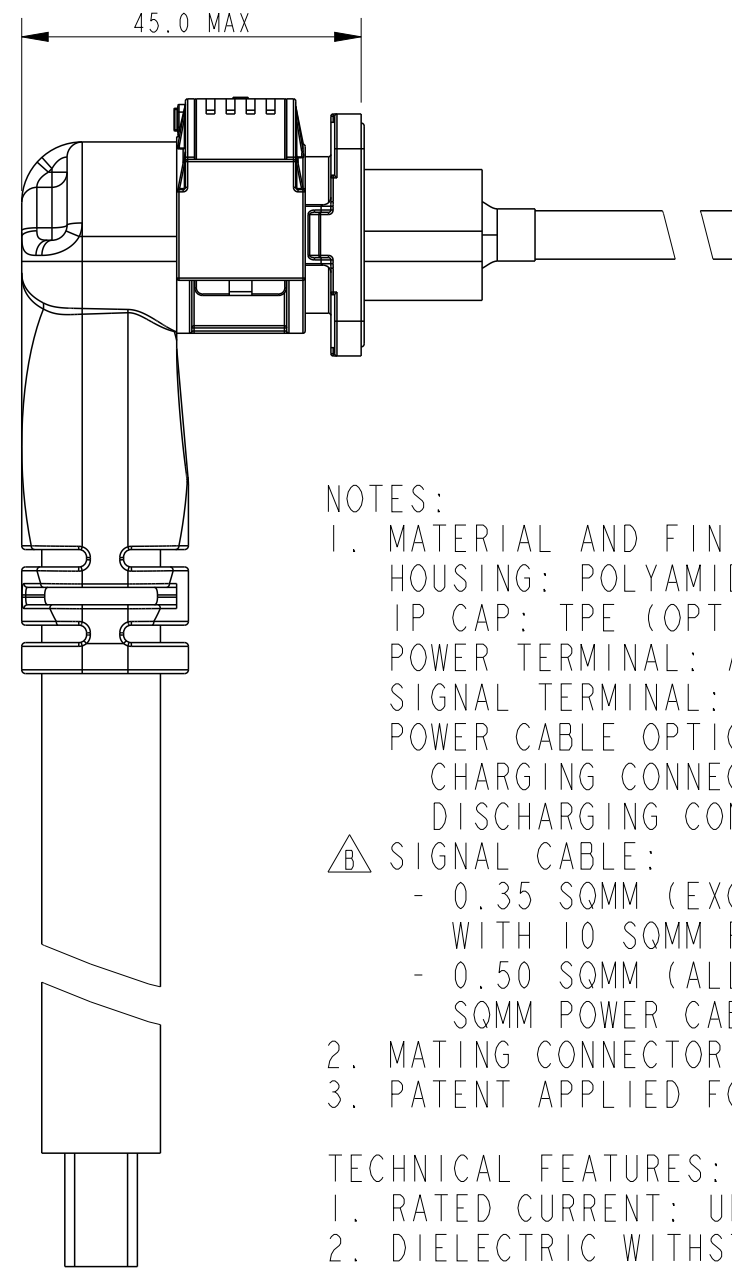
2P4S - IP CAP OPEN



2P4S - IP CAP CLOSED



MATED CONDITION



- NOTES:
- 1. MATERIAL AND FINISH  
HOUSING: POLYAMIDE THERMOPLASTIC  
IP CAP: TPE (OPTIONAL)  
POWER TERMINAL: AG OVER CU ALLOY  
SIGNAL TERMINAL: AU OVER CU ALLOY  
POWER CABLE OPTIONS:  
CHARGING CONNECTOR: 1.5/2.5 SQMM  
DISCHARGING CONNECTOR: 10/16 SQMM
  - △ SIGNAL CABLE:
    - 0.35 SQMM (EXCEPT FOR VARIANTS WITH 10 SQMM POWER CABLE COMBINATION)
    - 0.50 SQMM (ALL 2P4S VARIANTS WITH 10 SQMM POWER CABLE COMBINATION)
  - 2. MATING CONNECTOR DRAWING: 10169537
  - 3. PATENT APPLIED FOR.

- TECHNICAL FEATURES:
- 1. RATED CURRENT: UPTO 70 A
  - 2. DIELECTRIC WITHSTANDING VOLTAGE: 500 VDC
  - 3. INSULATION RESISTANCE: >1 GΩ
  - 4. FLAMMABILITY RATING: UL 94 V-0
  - 5. DURABILITY: 10,000 MATING CYCLES
  - 6. IP RATING: IP67, MATED & UNMATED (WITH IP CAP)
  - 7. OPERATING TEMPERATURE: -20 TO 90 °C

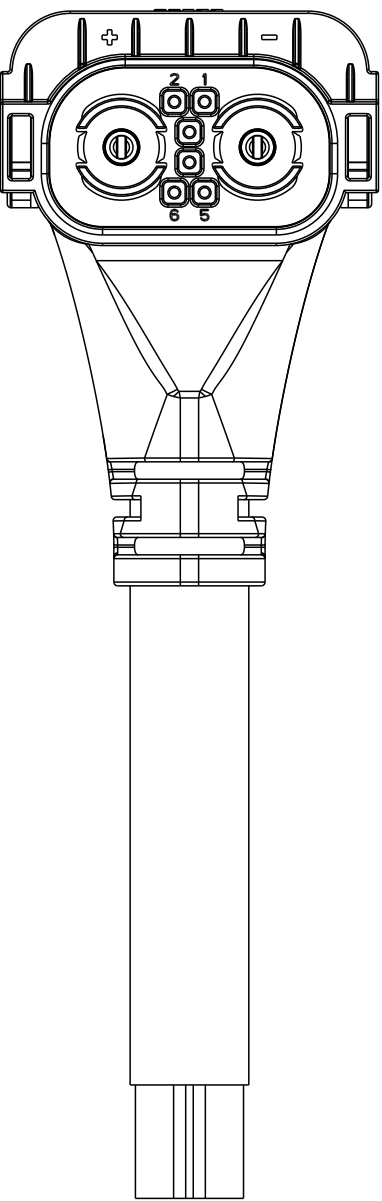
COLOUR TABLE

| PIN | 2P4S   | 2P6S    |
|-----|--------|---------|
| +   | ORANGE | ORANGE  |
| -   | BLACK  | BLACK   |
| 1   | BLUE   | ORANGE  |
| 2   | ORANGE | BROWN   |
| 3   | BROWN  | BLUE    |
| 4   | GREEN  | GREEN   |
| 5   | -      | RED (B) |
| 6   | -      | WHITE   |

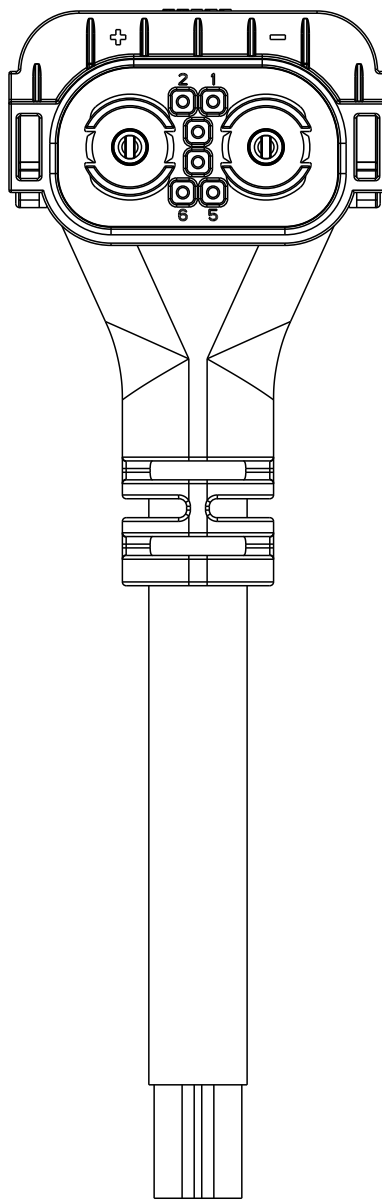
|               |              |                |            |                  |          |           |                        |                        |              |
|---------------|--------------|----------------|------------|------------------|----------|-----------|------------------------|------------------------|--------------|
| spec ref      | dr           | Prakash, Pravi | 2022/12/30 | projection       | mm       | size      | A3                     | scale                  | 1:1          |
| tolerance std | eng          | A Srikar       | 2024/01/25 | chr              | -        | ecn no    | ELX-I-50484-1          | rel level              | Released     |
| ISO 406       | app          | P-Mathew Nebu  | 2024/01/24 | product family   | -        | rel level | Released               | dwg no                 | 10169536     |
| ISO 1101      | Amphenol FCI | PLUG ASSEMBLY  | 10169536   | rev              | B        | cat. no.  | -                      | Product - Customer Drw | sheet 2 of 4 |
| surface       | linear       | 0.X            | ±0.5       | amphenol-icc.com | cat. no. | -         | Product - Customer Drw | sheet 2 of 4           |              |
| ISO 1302      | angular      | 0°             | ±°         |                  |          |           |                        |                        |              |

PLUG OVERMOLD GEOMETRY BASED ON CABLE SIZE (APPLICABLE FOR 2P4S & 2P6S VARIANTS)

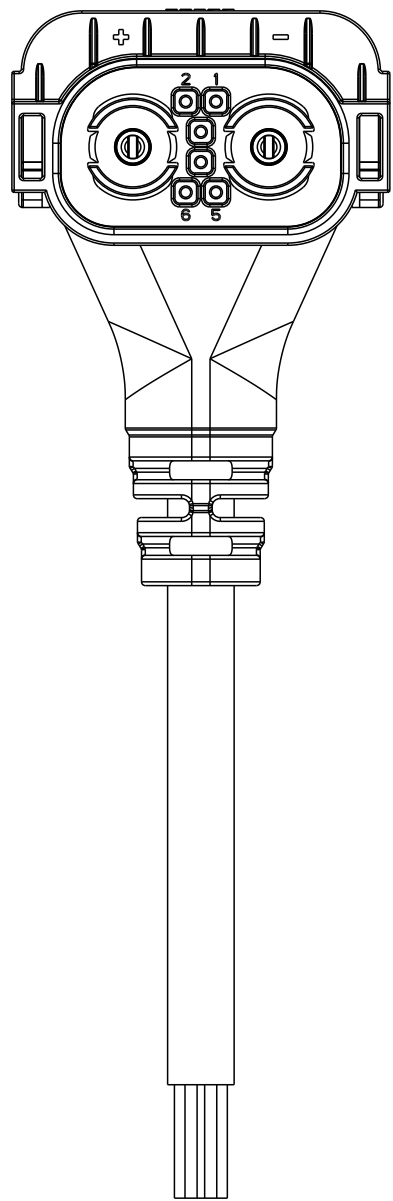
16 SQMM PLUG



10 SQMM PLUG



1.5 & 2.5 SQMM PLUG



|                                                    |  |                                       |  |               |  |                  |  |                 |  |                                   |  |                           |  |          |  |            |  |                |  |          |  |               |  |           |  |     |  |          |  |
|----------------------------------------------------|--|---------------------------------------|--|---------------|--|------------------|--|-----------------|--|-----------------------------------|--|---------------------------|--|----------|--|------------|--|----------------|--|----------|--|---------------|--|-----------|--|-----|--|----------|--|
| spec ref                                           |  |                                       |  | dr            |  | Prakash, Pravi   |  | 2022/12/30      |  | <div>projection</div> <div></div> |  | <div>mm</div> <div></div> |  | size     |  | A3         |  | scale          |  | 1:1      |  |               |  |           |  |     |  |          |  |
| tolerance std                                      |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |               |  |                  |  | eng             |  |                                   |  |                           |  | A Srikar |  | 2024/01/25 |  | ecn no         |  |          |  | ELX-I-50484-1 |  |           |  |     |  |          |  |
| ISO 406                                            |  |                                       |  |               |  |                  |  | chr             |  |                                   |  |                           |  | -        |  | -          |  | product family |  |          |  | -             |  | rel level |  |     |  | Released |  |
| ISO 1101                                           |  | appr                                  |  | P-Mathew Nebu |  | 2024/01/24       |  |                 |  |                                   |  |                           |  |          |  |            |  |                |  |          |  |               |  |           |  |     |  |          |  |
| <div>surface</div> <div></div> <div>ISO 1302</div> |  | linear                                |  | 0.X           |  | ±0.5             |  | Amphenol<br>FCi |  | title                             |  | PLUG ASSEMBLY             |  |          |  |            |  | dwg no         |  | 10169536 |  |               |  |           |  | rev |  | B        |  |
|                                                    |  |                                       |  | 0.XX          |  | ±0.25            |  |                 |  |                                   |  |                           |  |          |  |            |  |                |  |          |  |               |  |           |  |     |  |          |  |
|                                                    |  |                                       |  | 0.XXX         |  | ±                |  |                 |  |                                   |  |                           |  |          |  |            |  |                |  |          |  |               |  |           |  |     |  |          |  |
| angular                                            |  | 0°                                    |  | ±°            |  | amphenol-icc.com |  | cat. no.        |  | -                                 |  | Product - Customer Drw    |  |          |  |            |  | sheet 3 of 4   |  |          |  |               |  |           |  |     |  |          |  |

AU

AUTOMOTIVE

1016953X

BASE NUMBER

|   |                  |
|---|------------------|
| 4 | PLUG             |
| 5 | SOCKET           |
| 8 | PLUG WITH IP CAP |



RATED CURRENT (A)

|   |    |
|---|----|
| G | 50 |
| J | 70 |
| K | 12 |
| M | 20 |
| N | 15 |
| P | 25 |

NO. OF POWER CONTACTS

NO. OF SIGNAL CONTACTS

|   |
|---|
| 4 |
| 6 |

J

2

4

C

B

LF

WIRE LENGTH

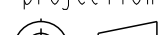
|   |        |
|---|--------|
| A | 0.15M  |
| B | 0.20M  |
| C | 0.35M  |
| D | 0.50M  |
| E | 1.00M  |
| F | 1.50M  |
| G | 2.00M  |
| H | 0.60M  |
| J | 0.90M  |
| K | 0.12M  |
| L | 0.55M  |
| M | 0.75M  |
| N | 1.20M  |
| P | 0.30M  |
| Q | 0.45M  |
| R | 2.25M  |
| S | 0.175M |
| T | 1.70M  |
| U | 3.00M  |
| V | 0.40M  |
| W | 0.17M  |
| Y | 0.80M  |
| Z | 1.75M  |
| 2 | 5.0M   |

LEAD-FREE

WIRE TYPE

|   | SIZE             | CURRENT(A) | REFERENCE AWG |
|---|------------------|------------|---------------|
| A | FLRY-B -2.5 SQMM | 25         | 14            |
| B | FLRY-B -10 SQMM  | 50         | 8             |
| C | FLRY-B -16 SQMM  | 70         | 6             |
| D | FLRY-B -1.5 SQMM | 15         | 16            |
| E | FLRY-C -8 SQMM   | 50         | 8             |
| F | SILICONE-10 SQMM | 50         | 8             |



|                                                                                                              |                                       |         |       |                                                                                       |                                   |            |                                                                                       |                                                                                       |                       |                        |       |                |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------|---------|-------|---------------------------------------------------------------------------------------|-----------------------------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------|------------------------|-------|----------------|
| spec ref                                                                                                     |                                       |         |       | dr                                                                                    | Prakash, Pravi                    | 2022/12/30 |  |  | size                  | A3                     | scale | 1:1            |
| tolerance std<br>ISO 406<br>ISO 1101                                                                         | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |       | eng                                                                                   | A Srikar                          | 2024/01/25 |                                                                                       |                                                                                       | ecn no                | ELX-I-50484-1          |       |                |
|                                                                                                              |                                       |         |       | chr                                                                                   | -                                 | -          |                                                                                       |                                                                                       | rel level<br>Released |                        |       |                |
|                                                                                                              |                                       |         |       | appr                                                                                  | P-Mathew Nebu                     | 2024/01/24 |                                                                                       |                                                                                       |                       |                        |       | product family |
| surface<br><br>ISO 1302 | linear                                | 0.X     | ±0.5  |  | title<br>PLUG ASSEMBLY<br>DURAEV™ |            |                                                                                       |                                                                                       | dwg no                | 10169536               |       | rev<br>B       |
|                                                                                                              |                                       | 0.XX    | ±0.25 |                                                                                       |                                   |            |                                                                                       |                                                                                       |                       |                        |       |                |
|                                                                                                              |                                       | 0.XXX   | ±     |                                                                                       |                                   |            |                                                                                       |                                                                                       |                       |                        |       |                |
|                                                                                                              |                                       | angular | 0°    | ±°                                                                                    | amphenol-icc.com                  | cat. no.   |                                                                                       |                                                                                       | -                     | Product - Customer Drw |       |                |