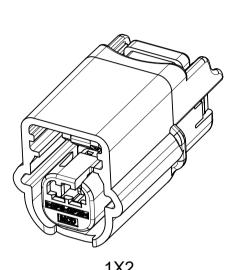
| TABLE OF CONTENTS |                            |  |  |  |  |  |  |  |
|-------------------|----------------------------|--|--|--|--|--|--|--|
| SHEET NO.         | SHEET DESCRIPTION          |  |  |  |  |  |  |  |
| 1                 | NOTES AND BOM              |  |  |  |  |  |  |  |
| 2                 | CONNECTOR ASSEMBLY         |  |  |  |  |  |  |  |
| 3                 | KEY CONFIGURATIONS AND BOM |  |  |  |  |  |  |  |
|                   |                            |  |  |  |  |  |  |  |



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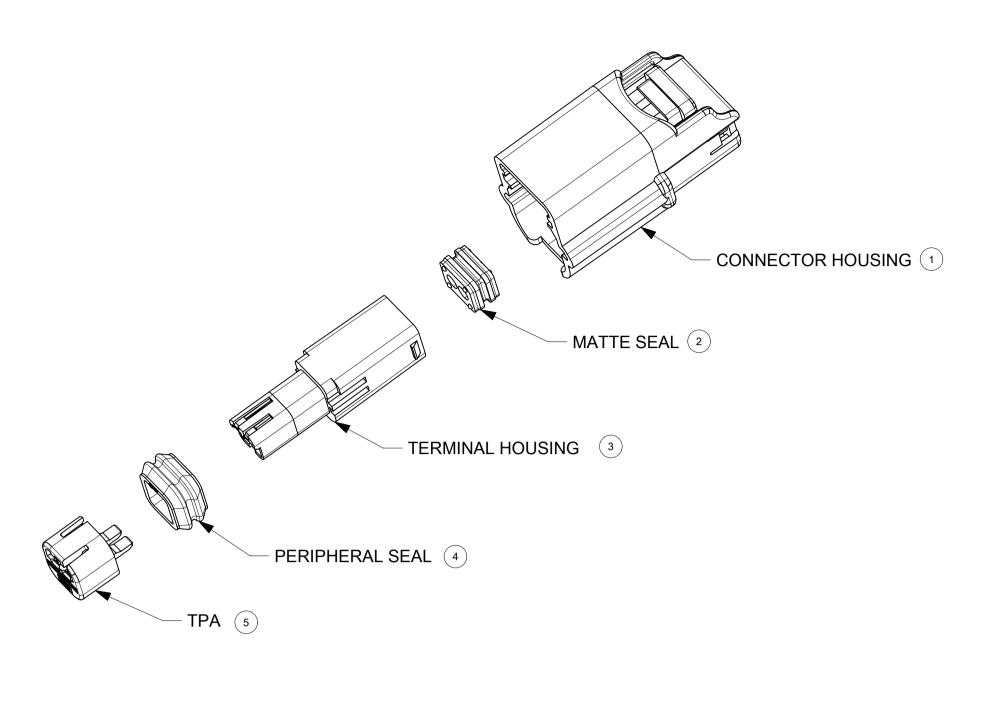
NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

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- a. APPLICATION SPECIFICATION SEE: 2035110001-RAS
  - -DESIGNED TO MATE WITH DEVICE OR CONNECTOR AS SPECIFIED
  - IN THE MATING INTERFACE DRAWINGS CHART.
  - \*DENOTES DRAWINGS THAT CAN BE ACCESSED AT <a href="http://ewcap.uscarteams.org/">http://ewcap.uscarteams.org/</a>.
  - -ASSEMBLY SHIPPED WITH TPA IN PRE-LOCK POSITION
  - (SEE TPA PRE-LOCK VIEW ON SHEET 2 SECTION A-A).
- b. PRODUCT SPECIFICATION SEE: 2035110001-RPS
- CONTAINS: PRODUCT INTRODUCATION, PRODUCT SUMMARY RATINGS AND PRODUCT VALIDATION
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING:2035119000
- d. TPA'S MAY BECOME SEATED DURING TRANSIT. IF THIS OCCURS, TPA'S SHOULD
- BE MOVED TO THE PRE-LOCKED POSITION PRIOR TO FEMALE TERMINAL INSTALLATION. REFERENCE PRODUCT SPECIFICATION: 2035110001-RAS
- e. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR
- PRODUCTS AND PACKAGING SPECIFICATION
- f. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS
- (COMPANY ID#13255)
- g. SYSTEM TO BE USED WITH OUTSIDE WIRE DIAMETERS RANGING FROM 1.20MM TO 2.06MM WITHIN RANGE OF:
- SAE 22AWG TO 18AWG PER ESB-M1L123-A2
- ISO 0.35MM^2 TO 0.75MM^2 PER GMW15626 AND ES-AU5T-1A348-AA
- TERMINAL FOR THIS ASSEMBLY: SEE TERMINAL TABLE
- FOR MORE INFORMATION ON TERMINAL SEE MOLEX DRAWING SD-33468-001,SD-33468-002
- AND TERMINAL PRODUCT SPECIFICATION PS-33468-001
- 2. DESIGN GEOMETRY:
- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART
- WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN
- ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
- c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD.
- THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION,
- AND CUSTOMER MATERIAL NUMBER.
- f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B).
- g. DATE CODE: FIRST TWO DIGITS ARE THE CALENDAR YEAR (EXAMPLE: 04 = 2004). THIRD
- THROUGH 5TH DIGIT DAY # OF THE CALENDAR YEAR (EXAMPLE: FEB. 3RD = '034').

| MATING INTERFACE DRAWING |                      |  |  |  |  |  |  |  |
|--------------------------|----------------------|--|--|--|--|--|--|--|
| ESCRIPTION               | INTERFACE DEFINITION |  |  |  |  |  |  |  |
| 1X2                      | *064-S-002-1-Z02     |  |  |  |  |  |  |  |
| 1X3                      | *064-S-003-1-Z01     |  |  |  |  |  |  |  |



| ITEM | DESCRIPTION       | COLOR     | MATERIAL        |
|------|-------------------|-----------|-----------------|
| 1    | CONNECTOR HOUSING | BLACK     | PBT GF15        |
| 2    | TERMINAL HOUSING  | BLACK     | SPS/PA66 GF30   |
| 3    | TPA               | NATURAL   | SPS/PA66 GF20   |
| 4    | MATTE SEAL        | SEE CHART | SILICONE RUBBER |
| 5    | PERIPHERAL SEAL   | SEE CHART | SILICONE RUBBER |

| TERMINAL TABLE |                          |                 |              |                          |                              |  |  |  |  |  |
|----------------|--------------------------|-----------------|--------------|--------------------------|------------------------------|--|--|--|--|--|
| TERMINAL P/N   | REEL PAYOFF<br>DIRECTION | PLATING<br>TYPE | GRIP<br>SIZE | WIRE SIZE                | WIRE<br>INSULATION<br>OD(mm) |  |  |  |  |  |
| 33468-0001     | В                        | SN              | SMALL        | 22AWG                    | 1.50-1.65                    |  |  |  |  |  |
| 33468-0002     | D                        | SN              | SMALL        | 22AWG                    | 1.50-1.65                    |  |  |  |  |  |
| 33468-0003     | В                        | SN              | LARGE        | 18/20AWG                 | 1.70-2.06                    |  |  |  |  |  |
| 33468-0004     | D                        | SN              | LARGE        | 18/20AWG                 | 1.70-2.06                    |  |  |  |  |  |
| 33468-0021     | D                        | SN              | SMALL        | 0.35mm <sup>2</sup>      | 1.20-1.65                    |  |  |  |  |  |
| 33468-0022     | В                        | SN              | SMALL        | 0.35mm <sup>2</sup>      | 1.20-1.65                    |  |  |  |  |  |
| 33468-0023     | D                        | SN              | LARGE        | 0.50-0.75mm <sup>2</sup> | 1.40-2.06                    |  |  |  |  |  |
| 33468-0024     | В                        | SN              | LARGE        | 0.50-0.75mm <sup>2</sup> | 1.40-2.06                    |  |  |  |  |  |

UPDATE NOTE INFORMATION OF APPLICATION SPECIFICATION AND PRODUCT SPECIFICATION

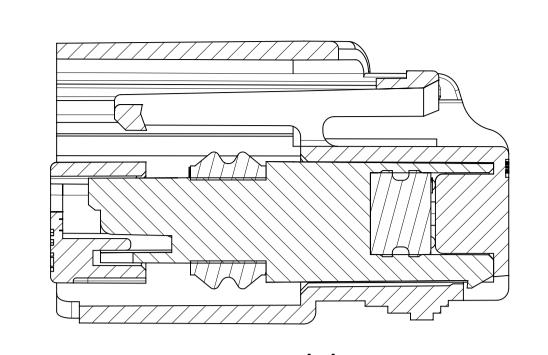
A INITIAL RELEASE

REV REV DESCRIPTION

| SYMBOLS     | THIS DRAWING C            | CONTAINS INF | ORMATION TI          | HAT IS PROPRI | ETARY TO MOLEX | ELECTRONIC TE            | CHNOLOGIES, LLC AND SH | OULD NOT BE USED W | ITHOUT WR | ITTEN PER         | RMISSI         |
|-------------|---------------------------|--------------|----------------------|---------------|----------------|--------------------------|------------------------|--------------------|-----------|-------------------|----------------|
|             | DIMENSION UNITS           | SCALE        | CURREN               | T REV DES     | C:             |                          |                        |                    |           |                   |                |
| = 0         | mm                        | 2:1          |                      |               |                |                          |                        | nole               | X         |                   |                |
| = 0         | GENERAL TOI<br>(UNLESS SI |              |                      |               |                |                          | -                      |                    |           |                   |                |
| = 0         | ANGULAR TOL               | ± °          | EC NO:               |               |                |                          | 0.64 USCAR SE          | EALED SINGLE F     | ROW CC    | NNEC <sup>-</sup> | TOR            |
| <u></u> = 0 | 4 PLACES                  | ±            | DRWN:                |               | 37             | 2018/06/26               |                        |                    |           |                   |                |
| = 0         | 3 PLACES                  | ±            | CHK'D:               | JDENG0        | 12             | 2018/07/03<br>2018/07/04 |                        |                    |           |                   |                |
| \           | 2 PLACES                  | +            |                      |               |                | 2010/07/04               | J PRODU                | JCT CUSTOMEF       | R DRAW    | ING               |                |
| √c/ = 0     | ZTLACES                   | <u> </u>     | $\downarrow$ INITIAL | REVISIO       | N:             |                          | DOCUMENT NUMBER        |                    | DOC TYPE  | DOC PART          | REVIS          |
| <b>=</b> 0  | 1 PLACE                   | ±            | DRWN:                | MCHEN3        | 37             | 2017/08/08               | 20251                  | 10001              | DCD       | 000               | Λ.             |
|             | 0 PLACES                  | ±            | APPR:                | JDENG0        | 2              | 2017/08/15               | 20351                  | 10001              | PSD       | 000               | A <sup>2</sup> |
| = 0         | DRAFT WHERE               | APPLICABLE   | THIRD ANGL           | E PROJECTION  | DRAWING        | SERIES                   | MATERIAL NUMBER        | CUSTOMER           |           | SHEET             | NUMBE          |
| <br>        | MUST RE                   | MAIN         |                      | $\Box$        | A1-SIZE        | 203511                   |                        |                    |           | 1 (               | )F 3           |

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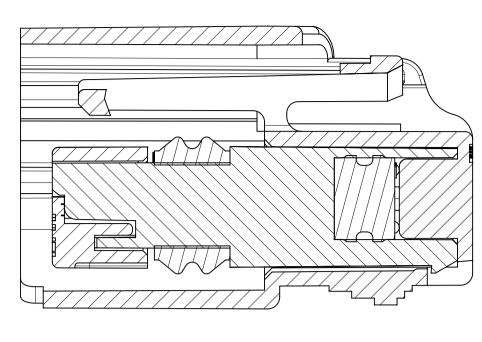
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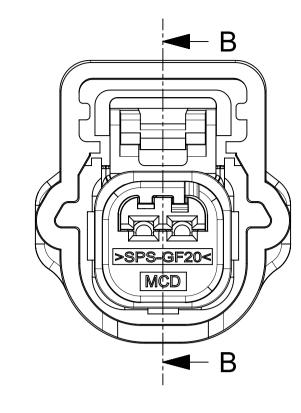
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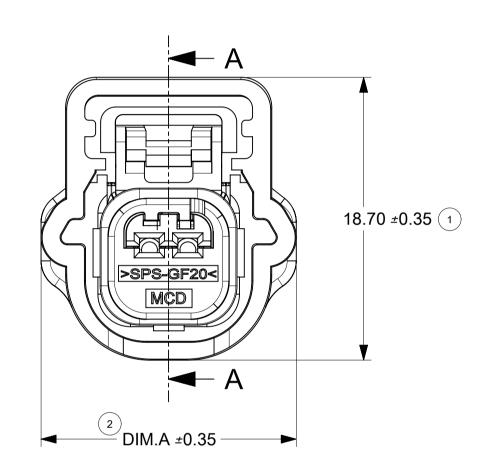
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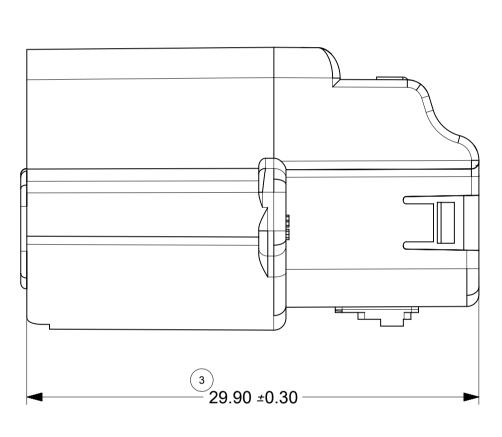
SECTION A-A
TPA SHOWN IN AS-SHIPPED
PRE-LOCKED POSITION
SEE NOTE 1d

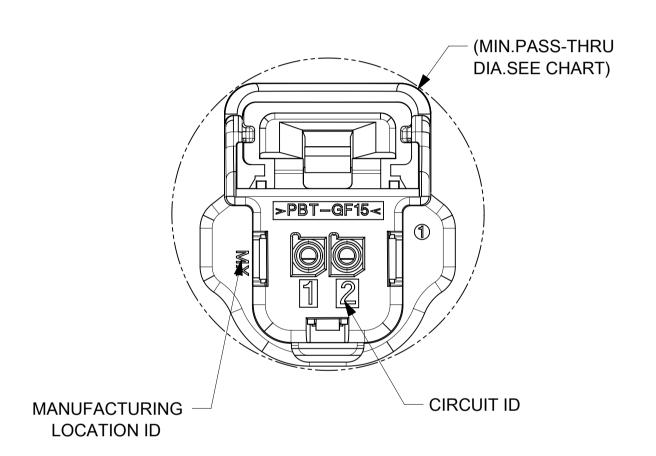


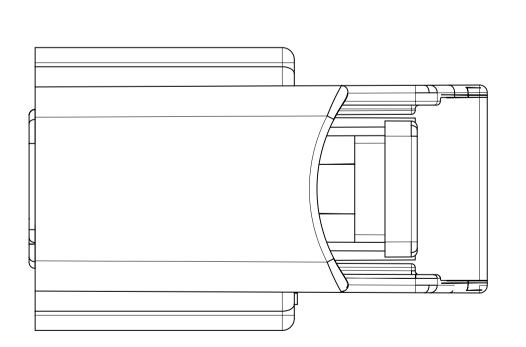
SECTION B-B
TPA SHOWN IN FINAL
LOCKED POSITION

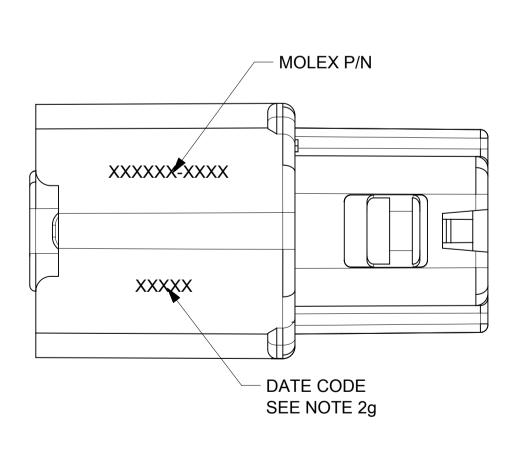








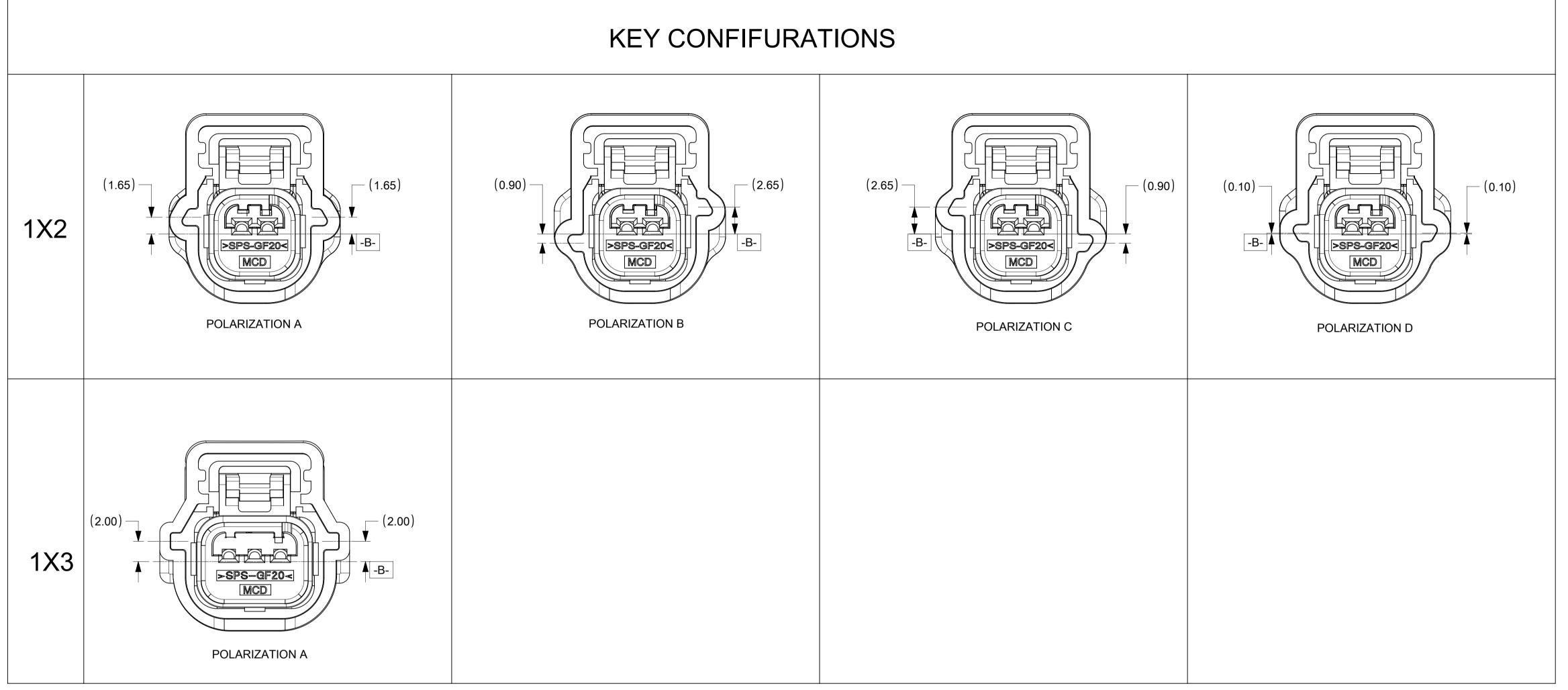




| SYMBOLS                                | THIS DRAWING C            | ONTAINS INF | 1          |                 |         | ELECTRONIC TEC           | CHNOLOGIES, LLC AND SI | HOULD NOT BE USED W | ITHOUT WF | RITTEN PER | RMISSION  |  |
|----------------------------------------|---------------------------|-------------|------------|-----------------|---------|--------------------------|------------------------|---------------------|-----------|------------|-----------|--|
| = 0                                    | mm                        | 4:1         | CURREN     | T REV DES       | iC:     |                          |                        | nole                | X         |            |           |  |
| <b>E</b> = 0                           | GENERAL TOL<br>(UNLESS SF |             |            |                 |         |                          | _                      |                     |           |            |           |  |
| = 0                                    | ANGULAR TOL               | ± °         | EC NO:     | _               |         |                          | 0.64 USCAR S           | EALED SINGLE I      | ROW CO    | DNNEC.     | TOR       |  |
| <u></u>                                | 4 PLACES                  | ±           | DRWN:      |                 | 37      | 2018/06/26               | 5                      |                     |           |            |           |  |
| = 0                                    | 3 PLACES                  | ±           | CHK'D:     | GLI04<br>JDENG0 | 12      | 2018/07/03<br>2018/07/04 |                        | LICT CLICTOME       |           |            |           |  |
| \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 2 PLACES                  | ±           |            | REVISIO         |         | 2010/01/04               | 11100                  | UCT CUSTOMER        |           |            | TDEVICION |  |
|                                        | 1 PLACE                   | ±           | DRWN:      |                 |         | 2017/08/08               | DOCUMENT NUMBER        | 10001               |           | DOC PART   | A 4       |  |
|                                        | 0 PLACES                  | ±           | APPR:      | JDENG0          | )2      | 2017/08/15               | 20351                  | 10001               | PSD       | 000        | A1        |  |
| = 0                                    | DRAFT WHERE A             | APPLICABLE  | THIRD ANGL | E PROJECTION    | DRAWING | SERIES                   | MATERIAL NUMBER        | CUSTOMER            | '         | SHEET      | NUMBER    |  |
| <u></u>                                | MUST RE<br>WITHIN DIME    |             |            |                 | A1-SIZE | 203511                   |                        |                     |           | 2 (        | OF 3      |  |

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-B- REFER TO USCAR DRAWING LISTED IN MATING INTERFACE DRAWING CHART

| PART NUMBER | CIRCUITS  | KEY        | CONNECTOR COLOR | MATTE SEAL COLOR | PERIPHERAL SEAL COLOR | WIDTH DIM.A | MIN. PASS THRU DIA | STATUS |   | CUIT NUMB<br>FED PLUG L |   |
|-------------|-----------|------------|-----------------|------------------|-----------------------|-------------|--------------------|--------|---|-------------------------|---|
|             |           |            |                 |                  |                       |             |                    |        | 1 | 2                       | 3 |
| 203511-2110 |           | Α          |                 |                  |                       |             |                    | TOOLED |   |                         |   |
| 203511-2210 | 1,40      | В          | DLACK           | DOVAL BLUE       | DILIE                 | 16.88       | (20.90)            | TOOLED |   |                         |   |
| 203511-2310 | 1x2 BLACK | ROYAL BLUE | BLUE            | 10.00            | (20.80)               | TOOLED      |                    |        |   |                         |   |
| 203511-2410 |           | D          |                 |                  |                       |             |                    | TOOLED |   |                         |   |
| 203511-3110 | 1,,2      | Α          | DI ACK          | LICHT BLUE       | DUST DED              | 10.70       | (22.00)            | TOOLED |   |                         |   |
| 203511-3112 | 1x3       | Α          | BLACK           | LIGHT BLUE       | RUST RED              | 18.70       | (22.00)            | TOOLED |   | Х                       |   |

SYMBOLS THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS SCALE OF COLUMN ASSOCIATION OF C CURRENT REV DESC: molex 4:1 mm GENERAL TOLERANCES (UNLESS SPECIFIED) EC NO: 178442 0.64 USCAR SEALED SINGLE ROW CONNECTOR DRWN: MCHEN37 2018/06/26  $\sqrt{S}$  = 0 4 PLACES CHK'D: GLI04 2018/07/03 = 0 3 PLACES APPR: JDENG02 2018/07/04 PRODUCT CUSTOMER DRAWING = 0 2 PLACES INITIAL REVISION: DOC TYPE DOC PART REVISION DOCUMENT NUMBER 1 PLACE DRWN: MCHEN37 2017/08/08 **=** 0 2035110001 PSD 000 A1 APPR: JDENG02 2017/08/15 0 PLACES DRAFT WHERE APPLICABLE THIRD ANGLE PROJECTION SERIES MATERIAL NUMBER A1-SIZE 203511

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