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2017

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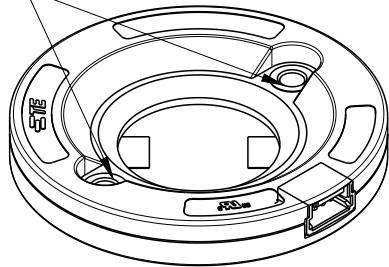
## REVISIONS

| P | LTR | DESCRIPTION                       | DATE      | DWN | APVD |
|---|-----|-----------------------------------|-----------|-----|------|
|   | 4   | MODIFIED RELEASED LED INFORMATION | 16AUG2017 | RK  | SM   |

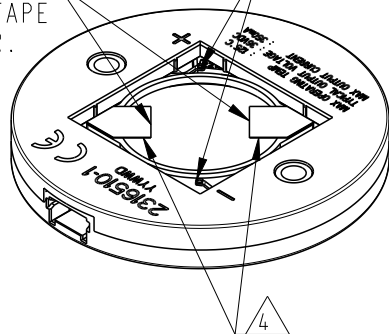
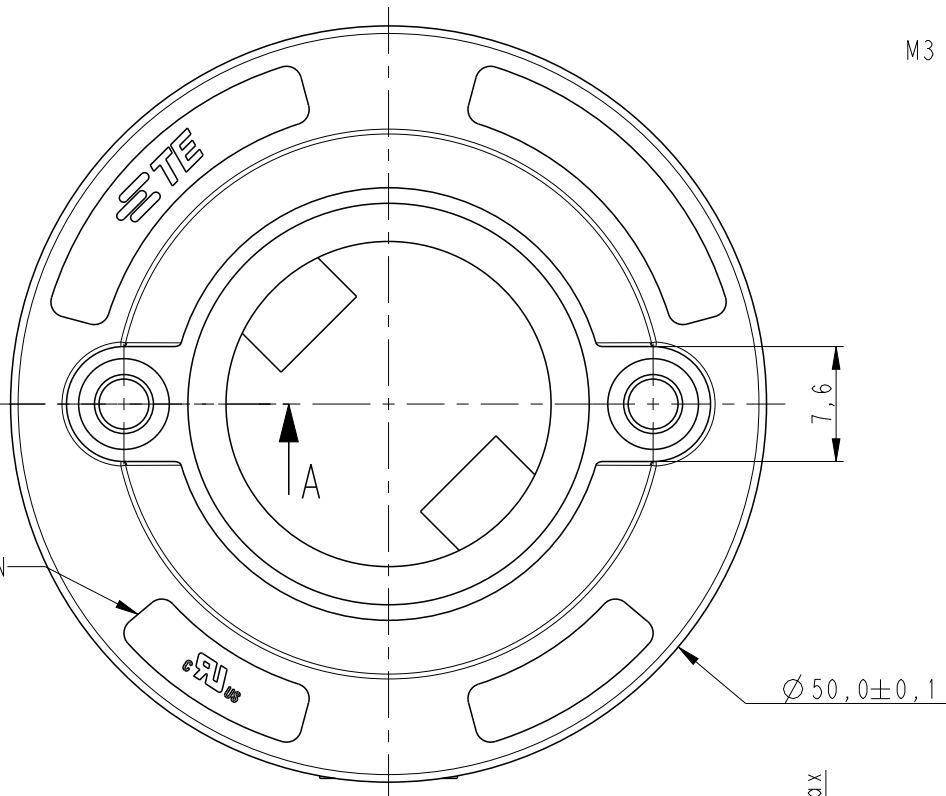
## NOTES:

- MATERIALS:  
HOUSING: GLASS FILLED PBT, HALOGEN FREE FLAME RETARDANT  
COLOR : NATURAL  
CONTACTS: GOLD PLATED COPPER ALLOY
- COMPLIES WITH DIRECTIVE 2002/95/EC (ROHS)
- SCREW TO BE USED - PAN HEAD M3, #4-40, LENGTH 12mm MAX.  
RECOMMENDED SCREW TORQUE: 0.4 - 0.6 Nm
- LED RETENTION ON 2 CORNERS WITH DOUBLE SIDED ADHESIVE TAPE.
- MATING CONNECTOR TE PART NO: 353908-4 OR 6-353908-4
- DIMENSIONS SHOWN ARE IN MATED POSITION WITH LED
- SEE SHEET 3 FOR RECOMMENDED PIN LAYOUT & ADDITIONAL INFORMATION
- ELECTRICAL RATINGS:
  - USE WITH A 48V DC CONSTANT VOLTAGE CLASS 2 POWER SUPPLY,  $\pm 10\%$  TOLERANCE
  - LED FORWARD VOLTAGE HAVE THE FOLLOWING RANGE: 21 - 41VDC

M3 SCREW HOLES

BEFORE PLACING  
LED, REMOVE TAPE  
RELEASE LINER.

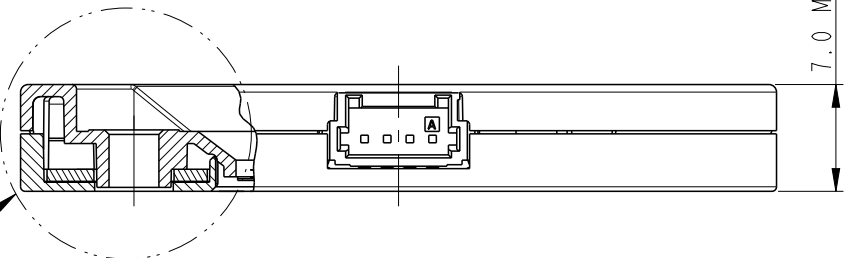
LED CONTACT

INSERT PROVISION  
FOR LOGO'S

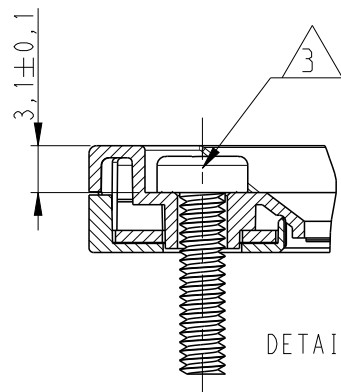
SECTION A-A

7.0 Max

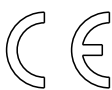
DETAIL Z

PRELIMINARY PART  
NOT RELEASED FOR PRODUCTIONCONTACT ENGINEERING FOR LAST  
REVISION BEFORE USING THIS DRAWING

Engineer: P.PETER



DETAIL Z

2316510-1  
YYWW

Ø 21,5 ± 0,1

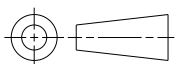
Ø 3,3 ± 0,1  
Ø 0,1 B  
(2x)MAX OPERATING TEMP : 125°C  
TYPICAL OUTPUT VOLTAGE : 36VDC  
MAX OUTPUT CURRENT : 350mA

35,0

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:0 PLC ±  
1 PLC ±0.1  
2 PLC ±0.05  
3 PLC ±  
4 PLC ±  
ANGLES ±  
FINISH -  
-MATERIAL  
SEE NOTES

DWN 07MAR2017

RAGHAVENDRA.K

CHK 07MAR2017

P.PETER

APVD 07MAR2017

O.L.FUNSE

PRODUCT SPEC

108-133086

APPLICATION SPEC

114-133086

WEIGHT

-

CUSTOMER DRAWING

NAME

LUMAWISE DRIVE TYPE Z50  
0-10 V VERSION

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C-2316510

SCALE

2:1

SHEET

1 OF 4

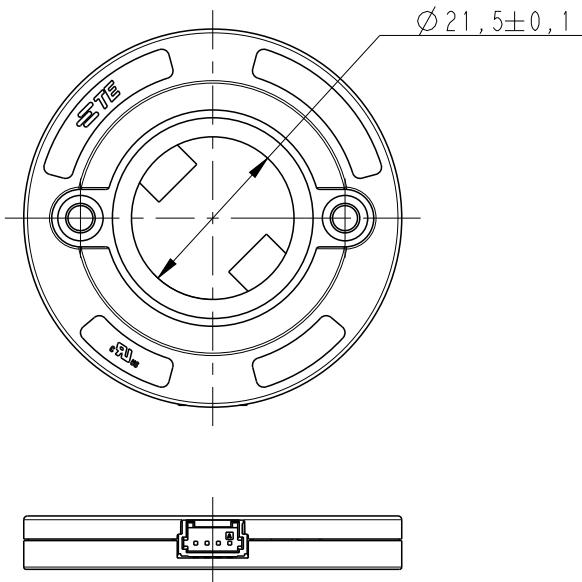
REV

4

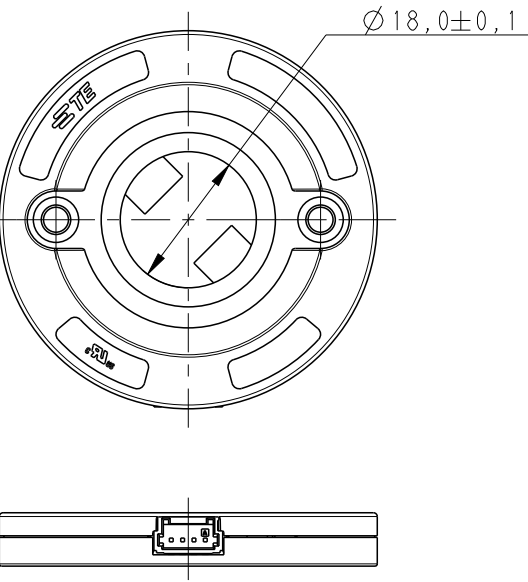
REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
| - | -   | SEE SHEET 1 | -    | -   | -    |

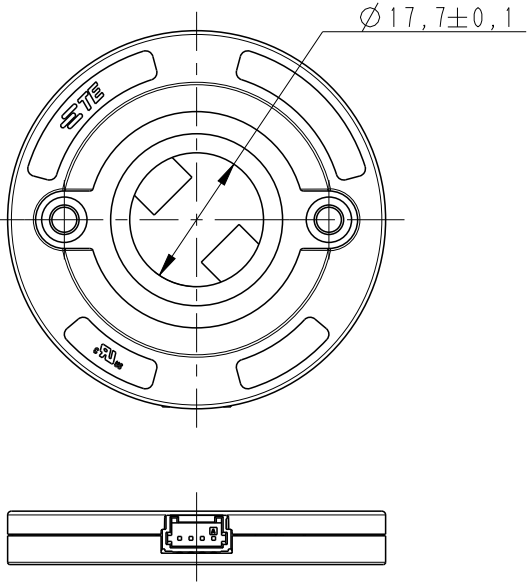
AS SHOWN 2316510-1  
SCALE 1:1



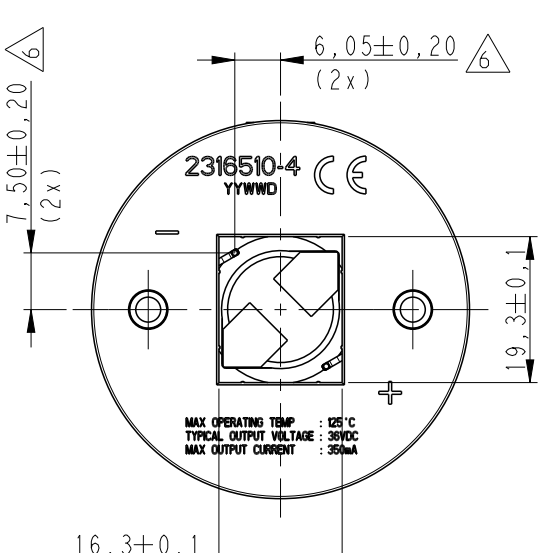
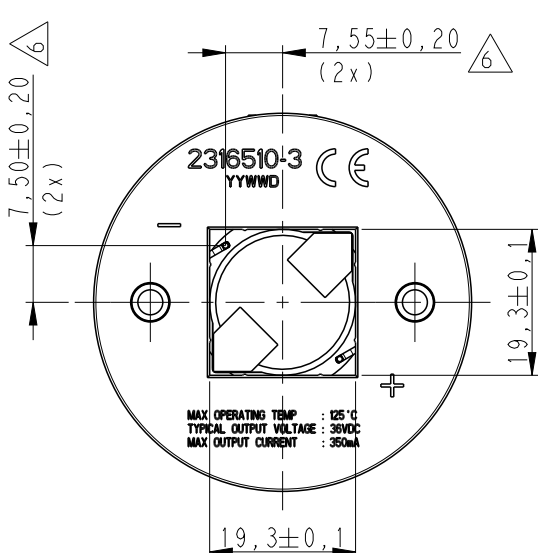
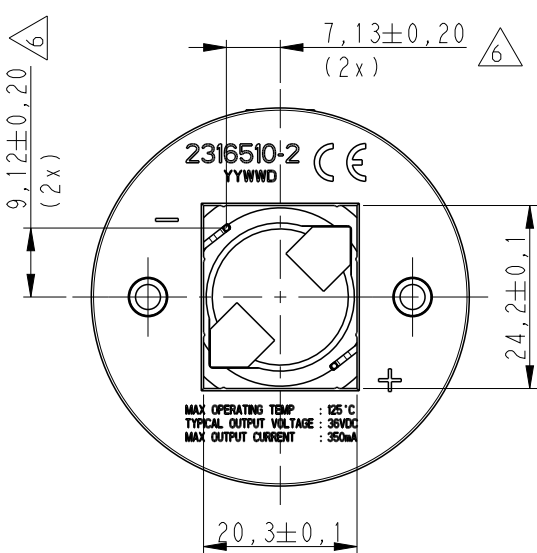
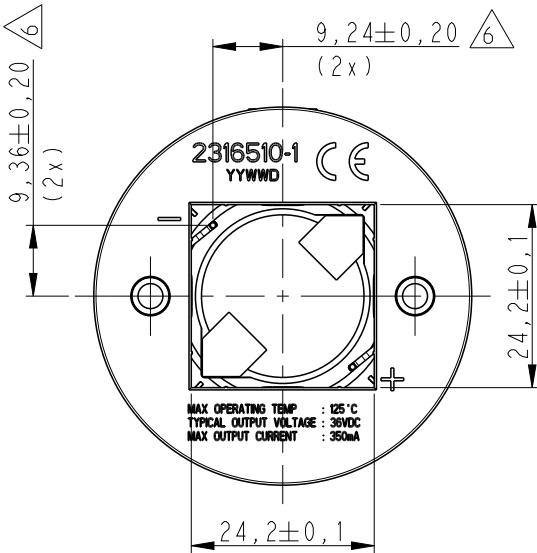
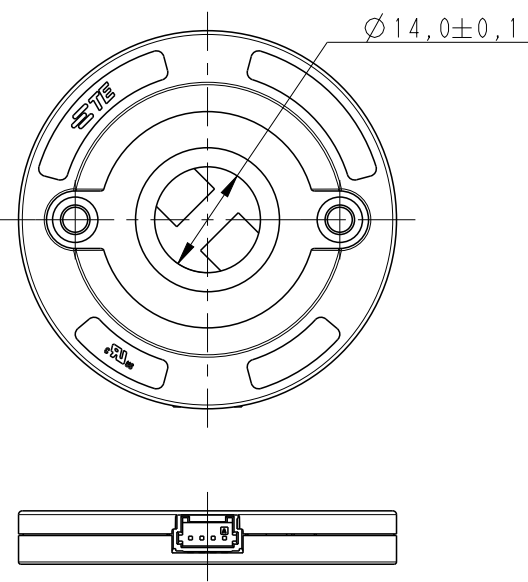
AS SHOWN 2316510-2  
SCALE 1:1



AS SHOWN 2316510-3  
SCALE 1:1



AS SHOWN 2316510-4  
SCALE 1:1



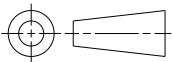
**PRELIMINARY PART  
NOT RELEASED FOR PRODUCTION**

**CONTACT ENGINEERING FOR LAST  
REVISION BEFORE USING THIS DRAWING**

**Engineer: P.PETER**

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm



MATERIAL  
SEE NOTES

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

0 PLC ±  
1 PLC ±0.1  
2 PLC ±0.05  
3 PLC ±  
4 PLC ±  
ANGLES ±  
FINISH -  
-

DWN 07MAR2017  
RAGHAVENDRA.K

CHK 07MAR2017  
P.PETER

APVD 07MAR2017  
O.LFIJNSE

PRODUCT SPEC  
108-133086

APPLICATION SPEC  
114-133086

WEIGHT -

CUSTOMER DRAWING



TE Connectivity

NAME  
LUMAWISE DRIVE TYPE Z50  
0-10 V VERSION

|      |           |            |               |
|------|-----------|------------|---------------|
| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
| A3   | 00779     | C-2316510  | -             |

|       |       |    |     |
|-------|-------|----|-----|
| SCALE | SHEET | OF | REV |
| 3:2   | 2     | 4  | 4   |

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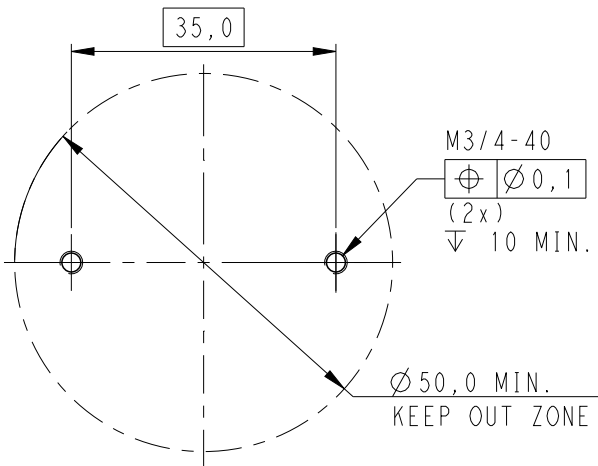
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REVISIONS

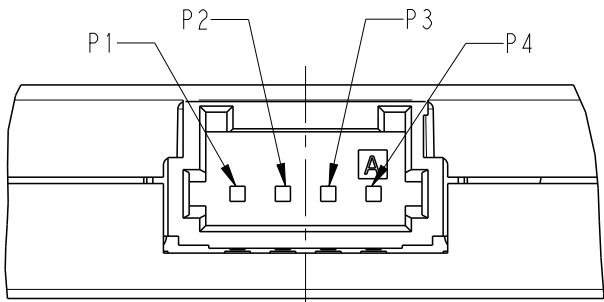
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
|   | -   | SEE SHEET 1 | -    | -   | -    |

RECOMMENDED DRILLING HOLE PATTERN



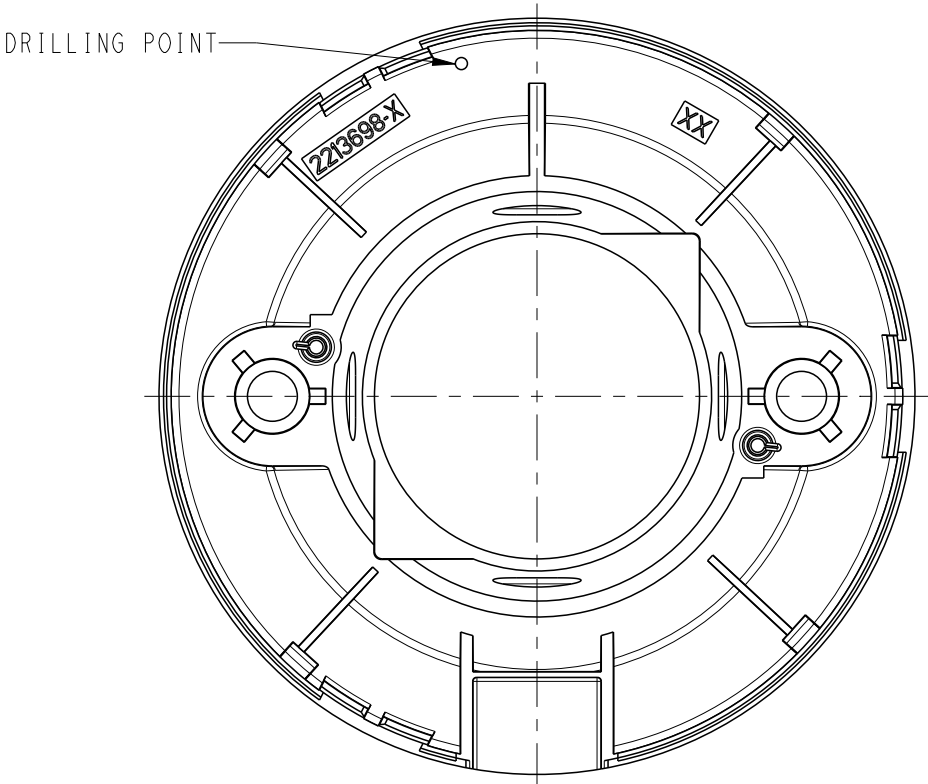
PIN LAYOUT

SCALE 4:1



|    |               |
|----|---------------|
| P1 | DIM (+)       |
| P2 | DIM (-)       |
| P3 | 48VIN (+)     |
| P4 | 48VIN (-) GND |

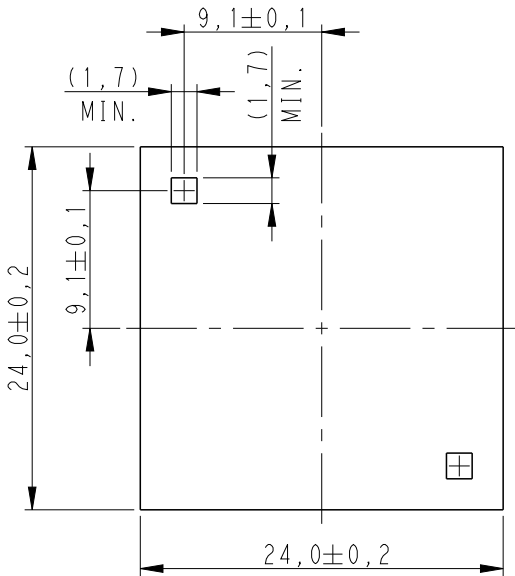
DRILLING LOCATION FOR Tc TESTING  
ONLY TOP COVER SHOWN



NOMINAL LED INFO:

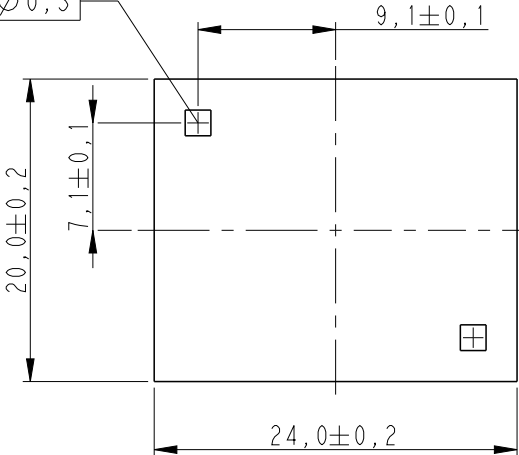
THE SKETCH BELOW IS SHOWING THE ZHAGA BOOK 12 COB DIMENSIONS TO MATCH WITH THE LUMAWISE DRIVE TYPE Z50 LED HOLDER

24x24 LAYOUT

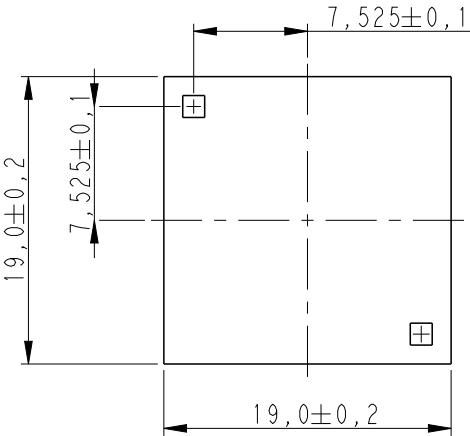


CONTACT POINT

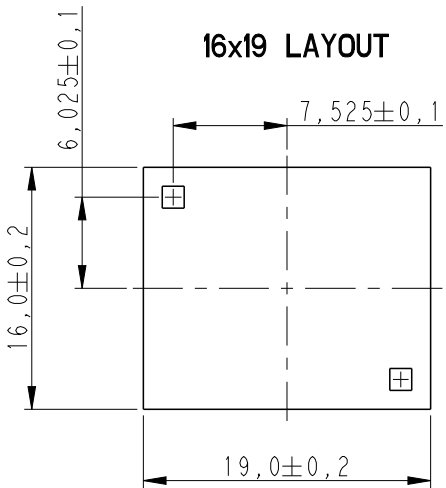
20x24 LAYOUT



19x19 LAYOUT



16x19 LAYOUT



**PRELIMINARY PART  
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CONTACT ENGINEERING FOR LAST  
REVISION BEFORE USING THIS DRAWING

Engineer: P.PETER

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| DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED: |
|-------------|----------------------------------------|
| mm          |                                        |
|             | 0 PLC ±-                               |
|             | 1 PLC ±0.1                             |
|             | 2 PLC ±0.05                            |
|             | 3 PLC ±-                               |
|             | 4 PLC ±-                               |
|             | ANGLES ±-                              |
| MATERIAL    | FINISH                                 |
| SEE NOTES   | -                                      |
|             | -                                      |

|                  |               |
|------------------|---------------|
| DWN              | 07MAR2017     |
| CHK              | RAGHAVENDRA.K |
| APVD             | 07MAR2017     |
| PRODUCT SPEC     | P.PETER       |
| APPLICATION SPEC | O.LFIJNSE     |
| WEIGHT           | 108-133086    |
|                  | 114-133086    |
| CUSTOMER DRAWING | -             |



TE Connectivity

NAME  
LUMAWISE DRIVE TYPE Z50  
0-10 V VERSION

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|------|-----------|------------|---------------|
| A3   | 00779     | C-2316510  | -             |

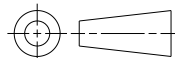
| SCALE | SHEET | OF | REV |
|-------|-------|----|-----|
| 2:1   | 3     | 4  | 4   |

|                              |                          |                      |
|------------------------------|--------------------------|----------------------|
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| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|           | -   | SEE SHEET 1 | -    | -   | -    |

**PRELIMINARY PART  
NOT RELEASED FOR PRODUCTION**  
CONTACT ENGINEERING FOR LAST  
REVISION BEFORE USING THIS DRAWING  
Engineer: P.PETER

|                                                                                                                                                                |                  |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------|
| L2C5-xxxx1202E0900; L2C5-xxxx1203E0900<br>1202s; 120206xCx; 1202CRSP; 1203CRSP                                                                                 | LUMILEDS         | 16x19    |
| NVCWL024Z; NFCWL060B-V1;<br>NFCLL060B-V1; NFCWL036B-V1M3                                                                                                       | NICHIA           |          |
| LC040C                                                                                                                                                         | SAMSUNG          |          |
| BXRH-40E8000-J-23; BXRE-xxxxxxx-x-7x                                                                                                                           | BRIDGELUX        | 19x19    |
| PB16H; PB16U; PB19H;<br>PB19U; PB26U;PB26H                                                                                                                     | LEXTAR           |          |
| CLU038-1208C4; CLU721-1206C4; CLU710-1204C1;<br>CLU711-1204C1; CLU034-1205C4; CLU036-1205C1;<br>CLU032-1205A5-303M1A2; CLU720-1206C1;<br>CLL030-1212A1-50KL1A1 | CITIZEN          |          |
| 2PHE20CW27P34001/2PHE30CW27P34001<br>2PHE20CW38P34001/2PHE30CW38P34002<br>HM CRI80 Series; HM CRI90 Series<br>SL Series                                        | EDISON OPTO      |          |
| EA1919 36V/26W Series                                                                                                                                          | EVERLIGHT        |          |
| CHM-11/CXM11; CXM14/CHM14;<br>CLM-14 Gen 3; CXM-11-XH00                                                                                                        | LUMINUS          |          |
| Soleriq 13 Gen 2<br>Soleriq 15                                                                                                                                 | OSRAM            |          |
| DMS124***G; DMC124/125***F;<br>DMS125/126/128***G; DMC128***F;<br>DMS099***F                                                                                   | PANASONIC        |          |
| SDW02F1C; SDWx3F1C                                                                                                                                             | SEOUL            |          |
| SLE-G5-LES15<br>SLE-G5-LES17                                                                                                                                   | TRIDONIC         |          |
| LC016/19/26D; LC019D; LC026D                                                                                                                                   | SAMSUNG          | 20x24    |
| LHC1-3070-1205; L2C5-xxxx-1204<br>LCHC1-xxxx1204; 1204CRSP; 1205CRSP;<br>1208CRSP; 1204; 1205; 1208                                                            | LUMILEDS         |          |
| EAHP2024                                                                                                                                                       | EVERLIGHT        |          |
| GW6TGBJC50C; GW5DGC**M04                                                                                                                                       | SHARP            | 24x24    |
| BXRE-xxxxxxx-x-7x                                                                                                                                              | BRIDGELUX        |          |
| Soleriq S19 GW KAHLB2.CM                                                                                                                                       | OSRAM            |          |
| LED DESCRIPTION                                                                                                                                                | MANUFACTURE NAME | LED TYPE |
| LEDs COMPATIBILITY                                                                                                                                             |                  |          |

|                                                                                       |  |                                           |  |                                                                                                       |  |           |  |            |  |               |  |     |  |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|-----------|--|------------|--|---------------|--|-----|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN 07MAR2017<br>RAGHAVENDRA.K            |  |  TE Connectivity |  |           |  |            |  |               |  |     |  |
|                                                                                       |  | CHK 07MAR2017<br>P.PETER                  |  |                                                                                                       |  |           |  |            |  |               |  |     |  |
| DIMENSIONS:<br><br>mm                                                                 |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | NAME<br><br>LUMAWISE DRIVE TYPE Z50<br>0-10 V VERSION                                                 |  |           |  |            |  |               |  |     |  |
|  |  | APVD 07MAR2017<br>O.LFIJNSE               |  |                                                                                                       |  |           |  |            |  |               |  |     |  |
|                                                                                       |  | PRODUCT SPEC<br><br>108-133086            |  |                                                                                                       |  |           |  |            |  |               |  |     |  |
| MATERIAL<br><br>SEE NOTES                                                             |  | APPLICATION SPEC<br><br>114-133086        |  | SIZE                                                                                                  |  | CAGE CODE |  | DRAWING NO |  | RESTRICTED TO |  |     |  |
|                                                                                       |  | WEIGHT<br><br>-                           |  | A3                                                                                                    |  | 00779     |  | C-2316510  |  | -             |  |     |  |
|                                                                                       |  | CUSTOMER DRAWING                          |  | SCALE                                                                                                 |  | 2:1       |  | SHEET      |  | 4 OF 4        |  | REV |  |
|                                                                                       |  |                                           |  |                                                                                                       |  |           |  |            |  |               |  |     |  |