

AMPHENOL PART NUMBER CONFIGURATION
UE86-3G6420-X0X61

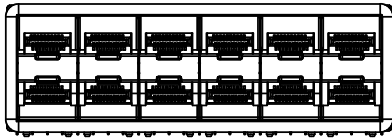
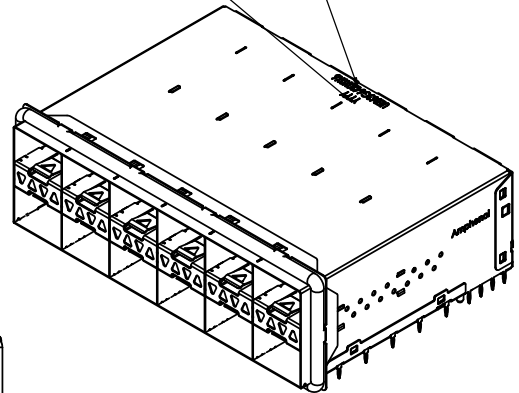
- LIGHT PIPE OPTION**
- 0 - NO LIGHT PIPE
 - 1 - 4 LP PER 2X1, NORMAL ORIENTATION
 - 2 - 2 INNER LP PER 2X1, NORMAL ORIENTATION
 - 3 - 2 OUTER LP PER 2X1, NORMAL ORIENTATION
 - 4 - 4 LP PER 2X1, REVERSING ORIENTATION
 - 5 - 2 INNER LP PER 2X1, REVERSING ORIENTATION
 - 6 - 2 OUTER LP PER 2X1, REVERSING ORIENTATION
 - 7 - 3 LP PER 2X1, 2 OUTER LP, NORMAL ORIENTATION
 - 8 - 3 LP PER 2X1, 2 OUTER LP, REVERSING ORIENTATION

- PACKAGING**
- T - TRAY PACKAGING (STACKED)
- PLATING OPTIONS FOR CONNECTOR**
- 2 - 30µ" GOLD PLATING ON MATING AREA
 - 15-100µ" MATTE TIN ON TERMINATION
 - 3 - 30µ" GOLD PLATING ON MATING AREA
 - 150-300µ" MATTE TIN ON TERMINATION
 - 5 - 15µ" GOLD PLATING ON MATING AREA
 - 15-100µ" MATTE TIN ON TERMINATION
 - 6 - 15µ" GOLD PLATING ON MATING AREA
 - 150-300µ" MATTE TIN ON TERMINATION

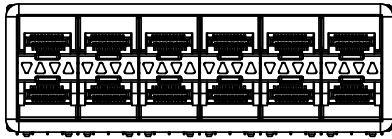
| REVISIONS | | | | |
|-----------|-----|------------------------------------|-----------|----------|
| REV. | ECN | DESCRIPTION | DATE | APPROVED |
| C | | UPDATE NOTES | AUG 19/14 | J.SI |
| D | | CHANGED PCB THICKNESS | NOV 03/15 | J.SI |
| E | | REMOVED DIM. ZONE B4, SHEET 2 OF 5 | OCT31/16 | J.SI |

PART NUMBER
 (LAST DIGIT INDICATING
 PACKAGING TYPE, NOT
 PRINTED ON THE PART)

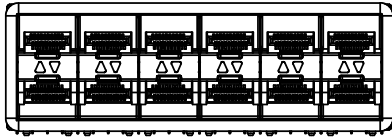
DATE CODE



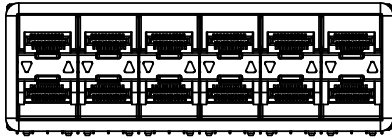
NO LIGHT PIPES
 UE86-3G6420-00361



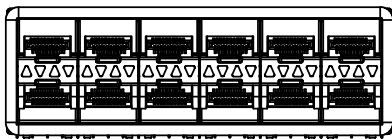
4 LIGHT PIPES
 UE86-3G6420-10361



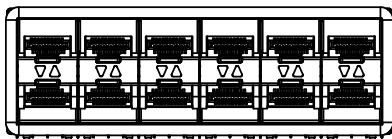
2 INNER LIGHT PIPES
 UE86-3G6420-20361



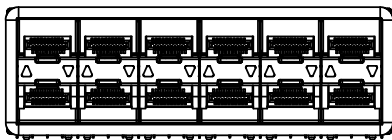
2 OUTER LIGHT PIPES
 UE86-3G6420-30361



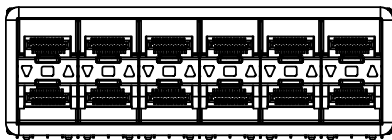
4 LIGHT PIPES UPSIDE DOWN
 UE86-3G6420-40361



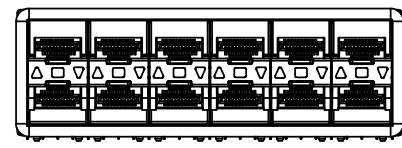
2 INNER LIGHT PIPES UPSIDE DOWN
 UE86-3G6420-50361



2 OUTER LIGHT PIPES UPSIDE DOWN
 UE86-3G6420-60361



3 LIGHT PIPES
 UE86-3G6420-70361



3 LIGHT PIPES UPSIDE DOWN
 UE86-3G6420-80361

MATERIAL: (RoHS COMPLIANT)

1. CAGE - PRESS FIT: COPPER ALLOY (NICKEL SILVER)
2. CONNECTOR - PRESS FIT:
 - PLASTIC HOUSING: LCP, FLAMMABILITY RATING UL94-V0
 - CONTACTS: PHOSPHOR BRONZE
3. LIGHT PIPE: CLEAR POLYCARBONATE, FLAMMABILITY RATING UL94-V0
4. PACKAGING: TRAY PACKAGING
5. TEMPERATURE RANGE: -40°C TO +85°C
6. EMI GASKET: CONDUCTIVE ELASTOMER UL94-V0



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| DIMENSIONS ARE IN MILLIMETERS | CHECKED | J. SI | NOV03/15 |
| REFERENCE IN PARENTHESES | M.E. APPD | | |
| GENERAL TOLERANCES | Q.A. APPD | | |
| 1 DECIMAL PLACE ±0.25 | DWG APPD | J. SI | NOV03/15 |
| 2 DECIMAL PLACE ±0.15 | MATERIAL AND FINISH | SEE NOTES | |
| 3 DECIMAL PLACE N/A | REF. | ECN Exxxxx | |
| ANGULAR DEGREES ±1° | THIRD ANGLE PROJECTION | DO NOT SCALE DRAWING | |
| ENG. REL. NO. | | | |

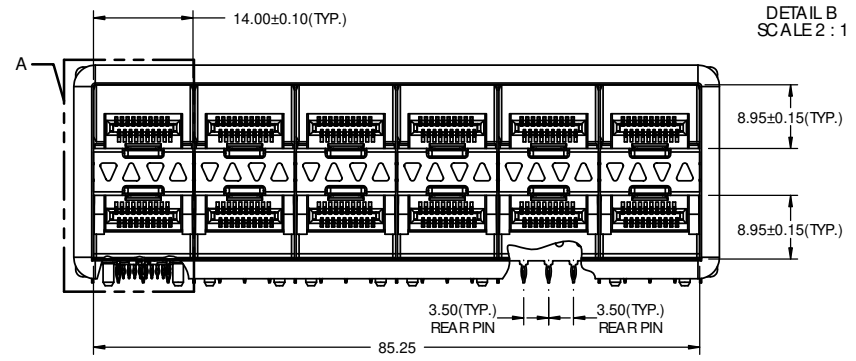
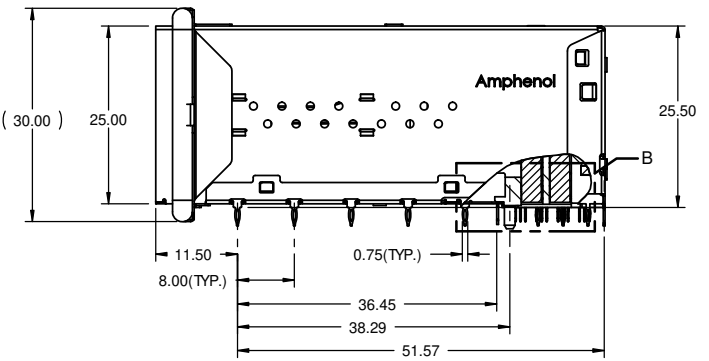
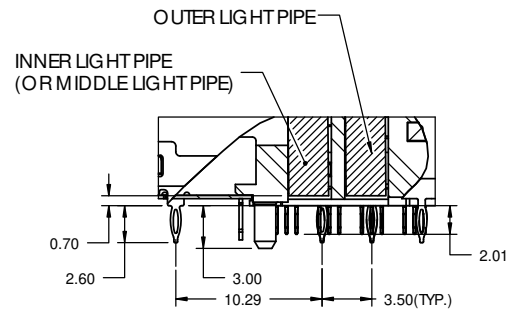
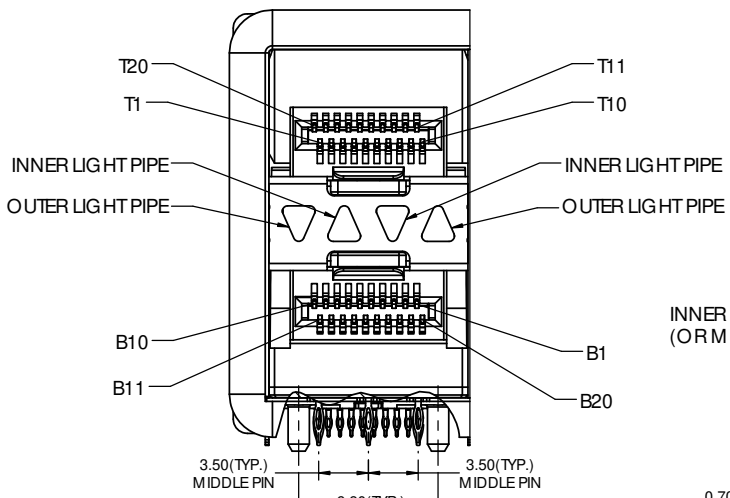
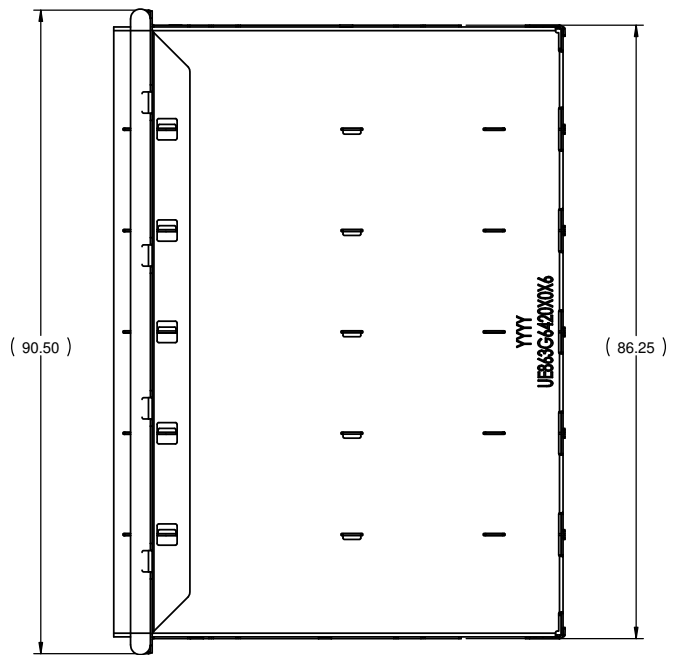
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2X6 SFP ULTRA PORT WITH LIGHT PIPE OPTIONS AND EMI GASKET VERSION

| | | |
|-------------|----------------------------|--------------|
| DWG. NO. | P-UE86-3G6420-X0X61 | REV E |
| CODE ID NO. | 03554 | DWG SIZE: A4 |
| SCALE: 2:3 | | SHEET 1 OF 5 |

REVISIONS

| REV. | ECN | DESCRIPTION | DATE | APPROVED |
|------|-----|------------------------------------|-----------|----------|
| C | | UPDATE NOTES | AUG 19/14 | J.SI |
| D | | CHANGED PCB THICKNESS | NOV 03/15 | J.SI |
| E | | REMOVED DIM. ZONE B4, SHEET 2 OF 5 | OCT31/16 | J.SI |



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| 2 DECIMAL PLACE ±0.15 | MATERIAL AND FINISH | SEE NOTES | |
| 3 DECIMAL PLACE N/A | REF. | ECN Exxxxx | |
| ANGULAR DEGREES ±1° | THIRD ANGLE PROJECTION | DO NOT SCALE DRAWING | |
| ENG. REL. NO. | | | |

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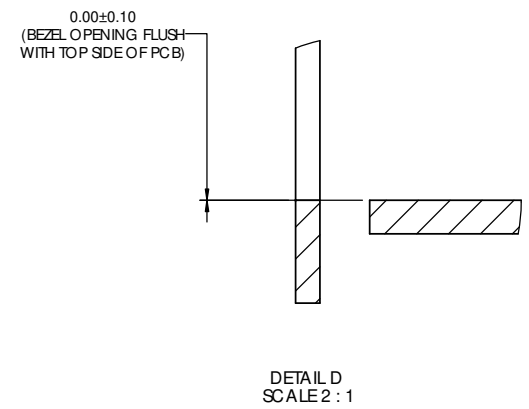
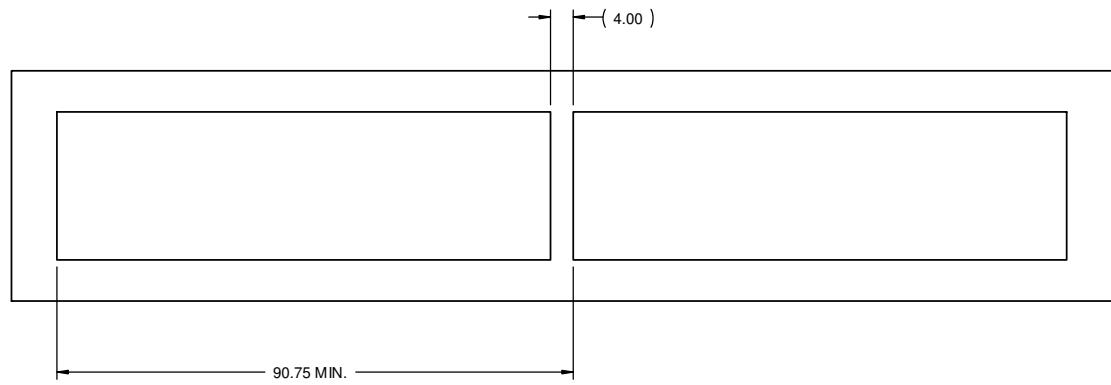
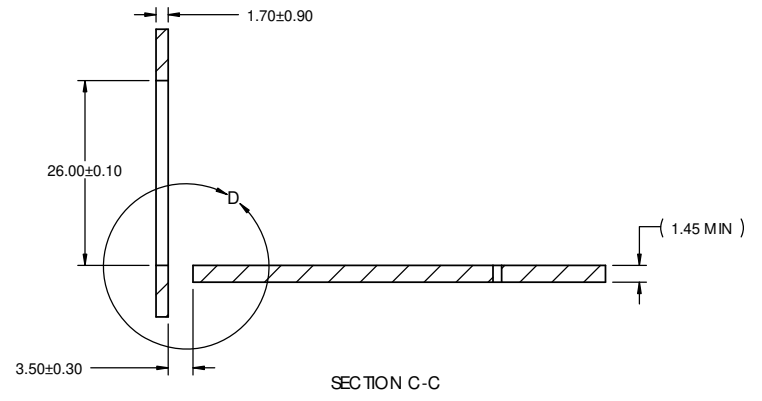
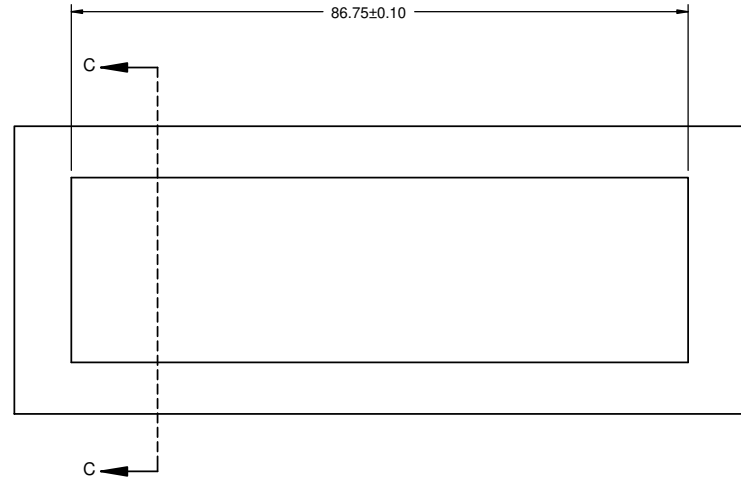
2X6 SFP ULTRA PORT WITH LIGHT PIPE OPTIONS AND EMI GASKET VERSION

DWG. NO. **P-UE86-3G6420-X0X61** REV E

CODE ID NO. 03554 DWG SIZE: A4 SCALE: 1:1 SHEET 2 OF 5

REVISIONS

| REV. | ECN | DESCRIPTION | DATE | APPROVED |
|------|-----|------------------------------------|-----------|----------|
| C | | UPDATE NOTES | AUG 19/14 | J.SI |
| D | | CHANGED PCB THICKNESS | NOV 03/15 | J.SI |
| E | | REMOVED DIM. ZONE B4, SHEET 2 OF 5 | OCT31/16 | J.SI |



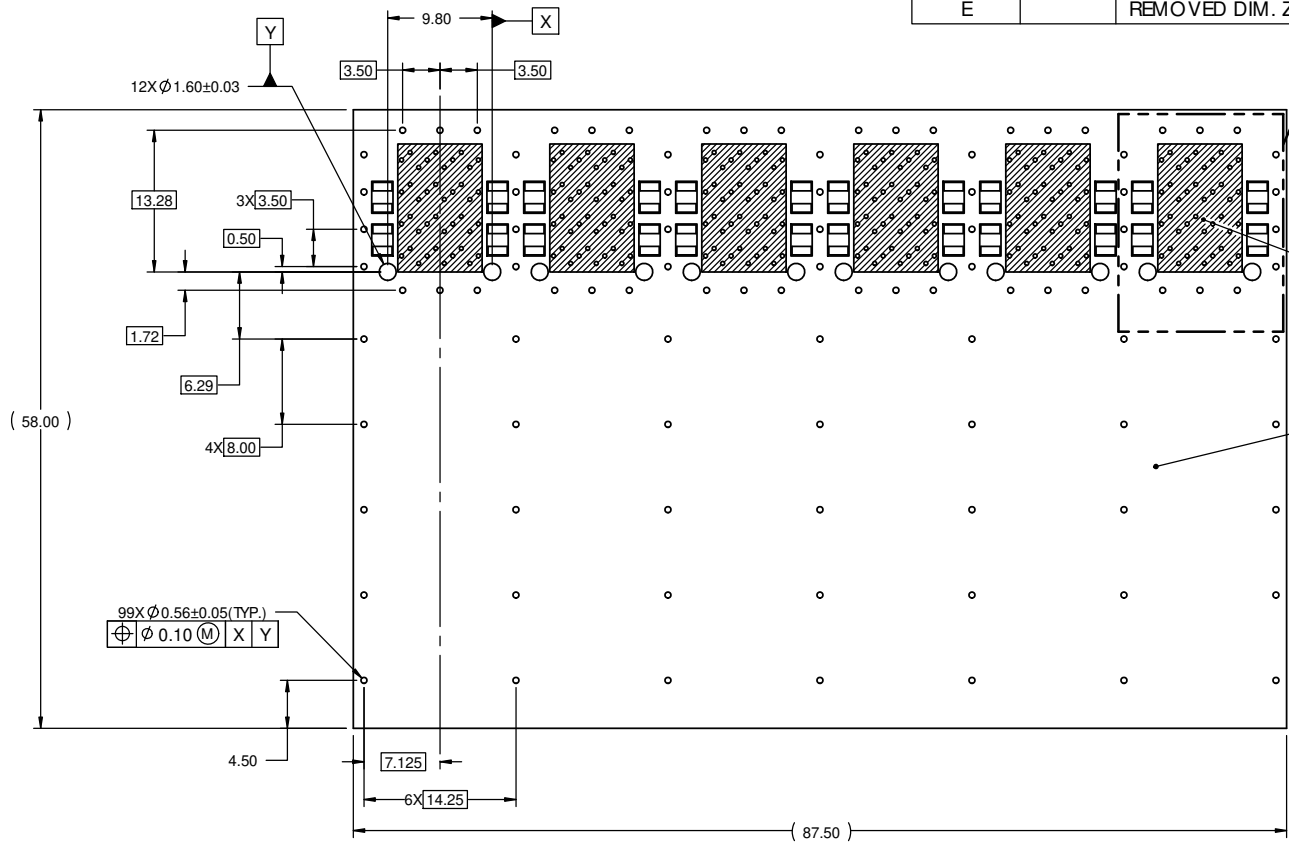
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| REFERENCE IN PARENTHESES | | M.E. APPD | | | |
| GENERAL TOLERANCES | | Q.A. APPD | | | 2X6 SFP ULTRA PORT WITH LIGHT PIPE OPTIONS AND EMI GASKET VERSION |
| 1 DECIMAL PLACE | ±0.25 | DWG APPD | J. SI | NOV03/15 | |
| 2 DECIMAL PLACE | ±0.15 | MATERIAL AND FINISH | SEE NOTES | | |
| 3 DECIMAL PLACE | N/A | REF. | ECN Exxxxx | | DWG. NO. |
| ANGULAR DEGREES | ±1° | THIRD ANGLE PROJECTION | DO NOT SCALE DRAWING | | P-UE86-3G6420-X0X61 |
| ENG. REL. NO. | | | | | CODE ID NO. 03554 DWG SIZE: A4 SCALE: 1:1 SHEET 3 OF 5 |

1 2 3 4 5 6

| REVISIONS | | | | |
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| D | | CHANGED PCB THICKNESS | NOV 03/15 | J.SI |
| E | | REMOVED DIM. ZONE B4, SHEET 2 OF 5 | OCT31/16 | J.SI |

A
B
C
D



NOTES:
1. 0.56 mm DIAMETER HOLES ARE CHASSIS GROUND (99HOLES).

COMPONENT KEEP-OUT AREAS

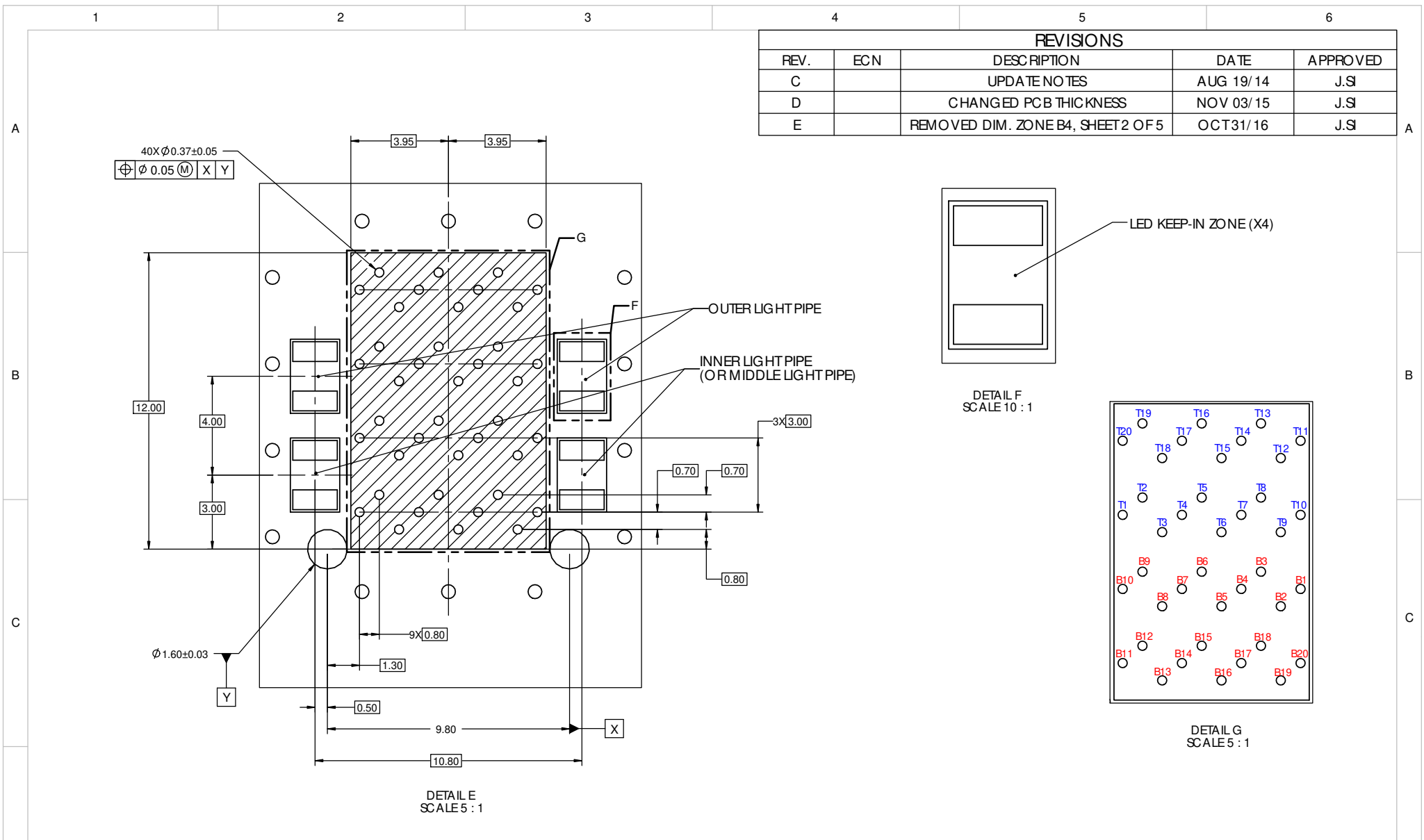
2X6 PCB LAYOUT

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| 2 DECIMAL PLACE | ±0.15 | MATERIAL AND FINISH | | SEE NOTES | |
| 3 DECIMAL PLACE | N/A | REF. | | ECN Exxxxx | |
| ANGULAR DEGREES | ±1° | THIRD ANGLE PROJECTION | | DO NOT SCALE DRAWING | |
| ENG. REL. NO. | | | | DWG. NO. P-UE86-3G6420-X0X61 | |
| | | | | REV E | |
| | | | | CODE ID NO. 03554 DWG SIZE: A4 SCALE: 3:2 SHEET 4 OF 5 | |

1 2 3

| REVISIONS | | | | |
|-----------|-----|------------------------------------|-----------|----------|
| REV. | ECN | DESCRIPTION | DATE | APPROVED |
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| D | | CHANGED PCB THICKNESS | NOV 03/15 | J.SI |
| E | | REMOVED DIM. ZONE B4, SHEET 2 OF 5 | OCT31/16 | J.SI |



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| DIMENSIONS ARE IN MILLIMETERS | | CHECKED | J. SI | NOV03/15 | |
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| | | | | CODE ID NO. 03554 | DWG SIZE: A4 SCALE: 2:1 SHEET 5 OF 5 |