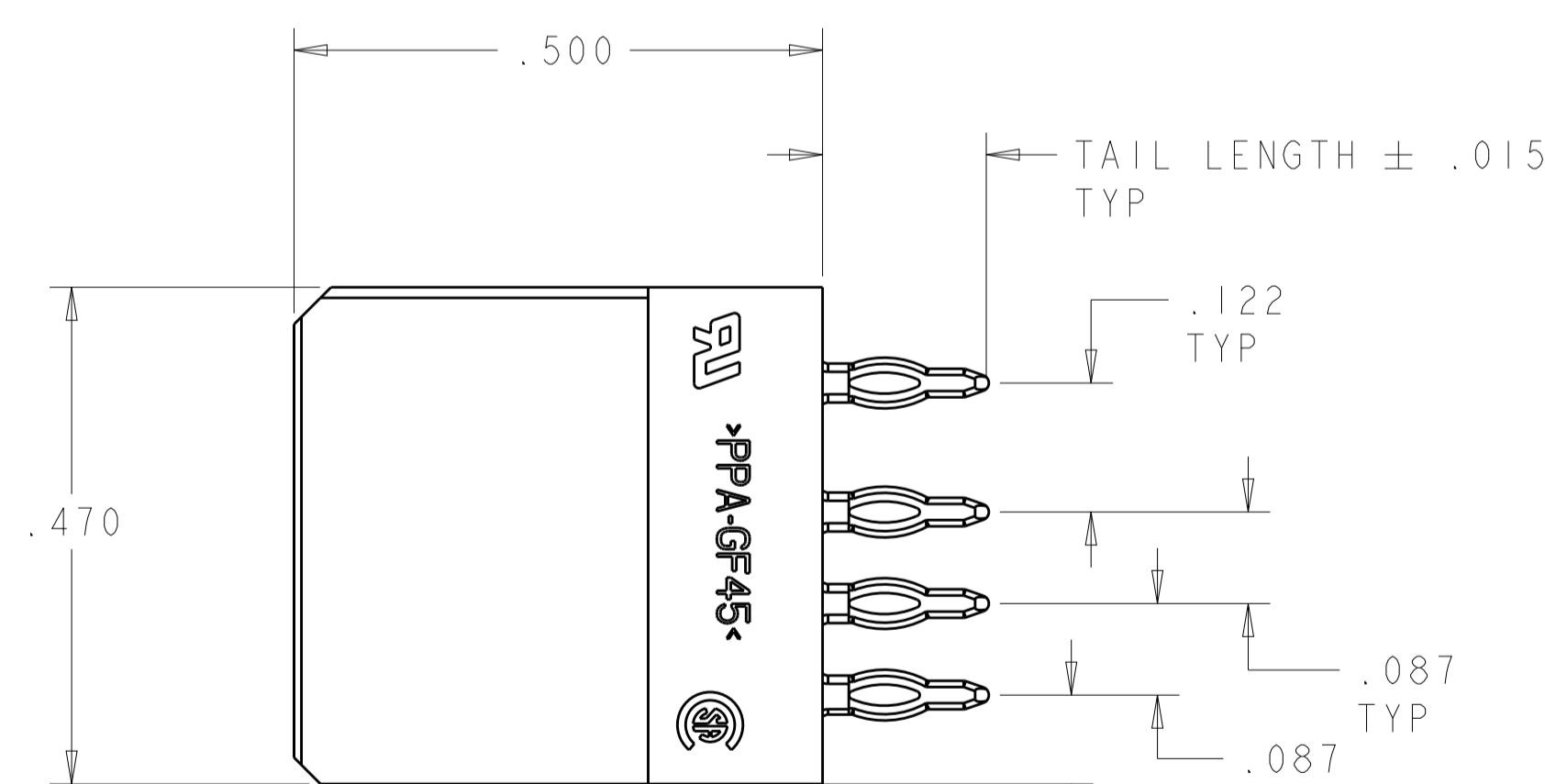
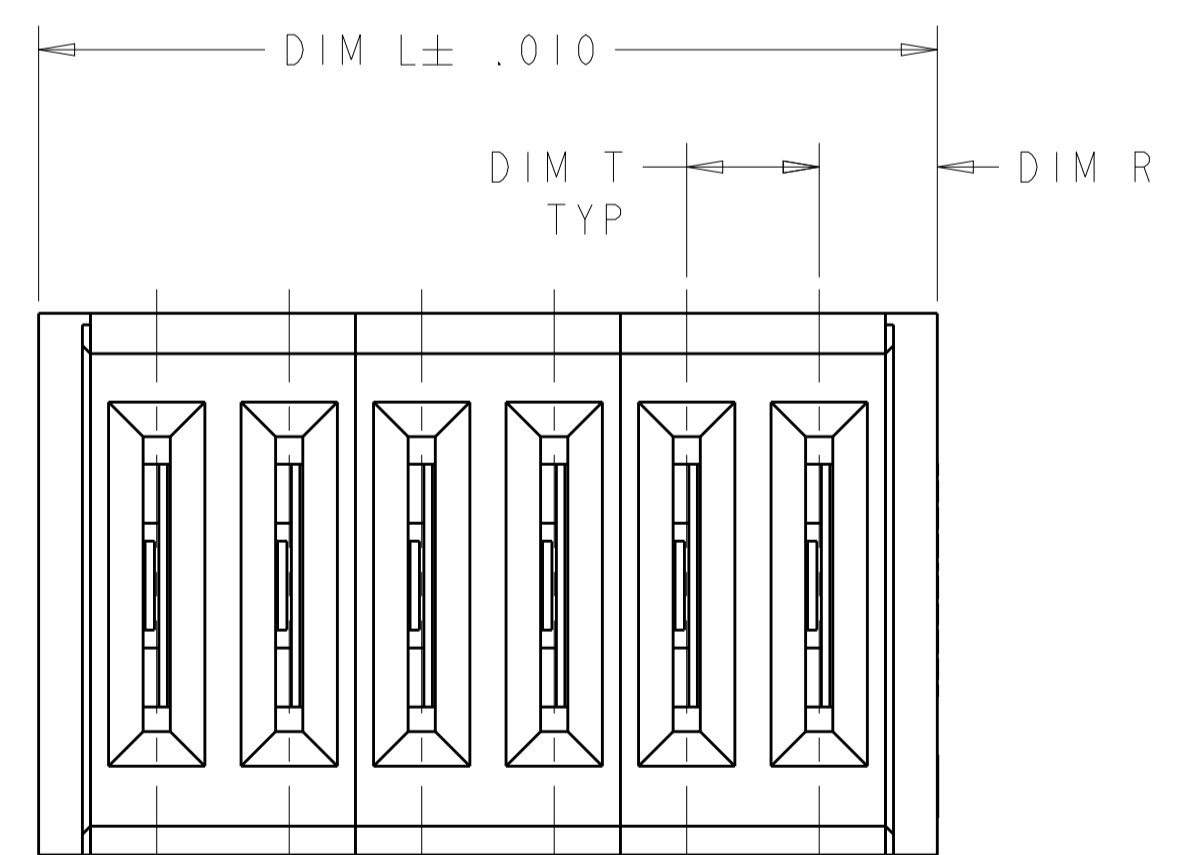
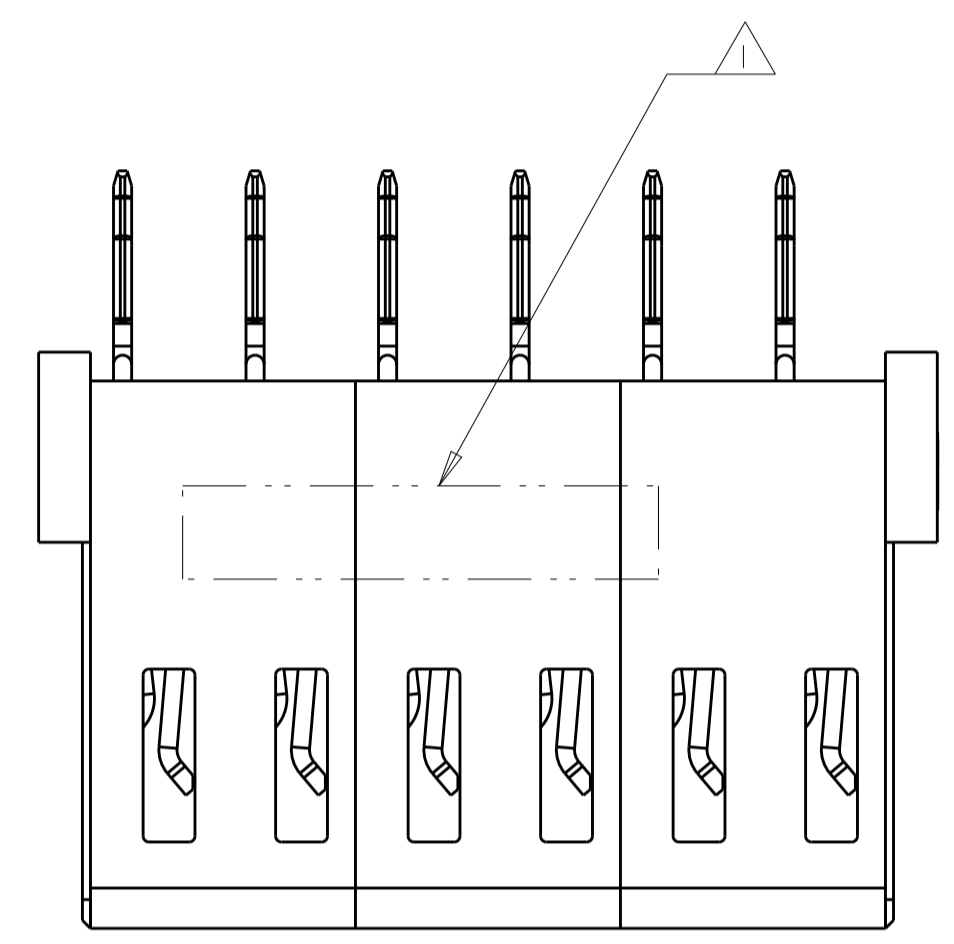
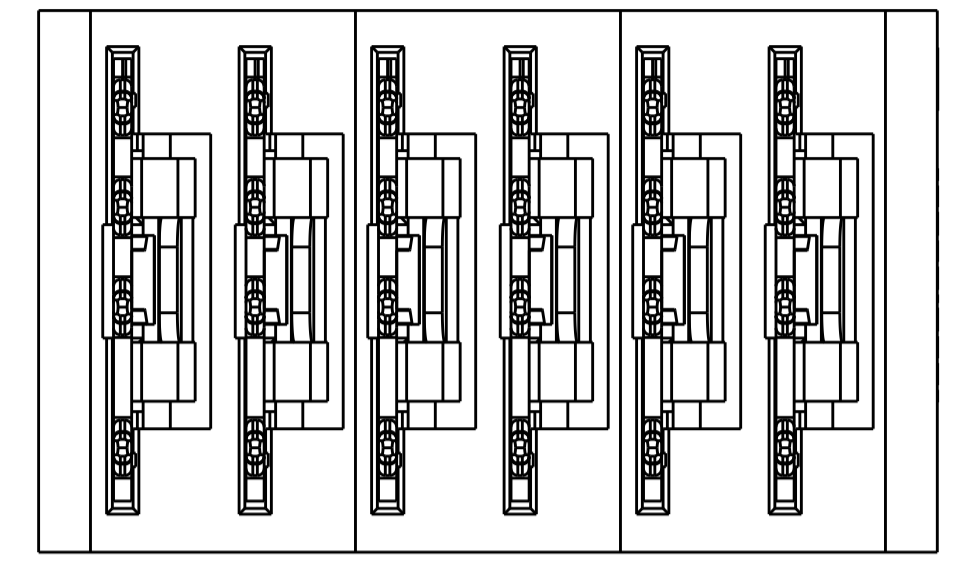


| LOC | DIST | REVISIONS | | | | | |
|-----|------|-----------|-----|---------------------------|-----------|-----|------|
| | | P | LTN | DESCRIPTION | DATE | DWN | APVD |
| ES | 00 | | | | | | |
| | | D7 | | ADDED NEW DASH NUMBER | 20MAY2013 | CZ | SZ |
| | | E | | ADDED NEW DASH NUMBER 2-2 | 21FEB2015 | CZ | SZ |
| | | E1 | | ADD NEW DASH NUMBER 2-3 | 20MAR2015 | CZ | SZ |
| | | E2 | | REV PER ECO-17-002972 | 24FEB2017 | WY | SZ |



LP CONFIGURATION TAIL DIMENSIONS

- 1 "AMP" PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN. PARTS 2.00 OR LESS MAYBE MARKED ON BOTH SIDES.
- 2 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- 3 CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS.
- 4 MECHANICAL CONNECTOR KEEP OUT ZONE
- 5 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER
- 6 PCB - ALL HOLE DIMENSIONS ARE FINISHED HOLE SIZES
- 7 PCB - .0453±.0010 DRILLED HOLES. PLATED WITH .0003 MIN Sn OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 DIA. HOLE
- 8 FOR PART NUMBER 6450869-4,6450869-5,6450869-6,6450869-7 PLEASE REFER TO SHEET 2.
- 9 VARIABLE DIMENSIONS PLEASE REFER TO TABLE.
- 10 PLEASE REFER TO PARTS VIEW FOR DETAIL DIMENTIONS.

| S | W | R | T | L | DESCRIPTION | PART NUMBER |
|-------|-------|-------|------|-------|-------------------------------------|-------------|
| - | - | .1025 | .115 | .435 | 3LP | 2-6450869-3 |
| - | - | .1025 | .115 | .320 | 2LP | 2-6450869-2 |
| - | - | - | - | .540 | 2P | 1-6450869-7 |
| - | - | - | - | 2.820 | 2HDP + 3LP + 40S + 4LP + 2HDP | 1-6450869-6 |
| - | - | - | - | 1.370 | 1LP + 40S + 1LP | 1-6450869-5 |
| - | - | - | - | 2.820 | 2ACP+ 1LP + 32S + 3HDP + 1LP + 1HDP | 1-6450869-4 |
| - | - | - | - | .400 | 2P | 1-6450869-3 |
| - | - | - | - | - | 8P | 6450869-8 |
| - | - | .170 | .200 | 2.715 | 12P | 6450869-7 |
| 4.070 | .120 | 1.295 | .200 | 5.090 | 44S + 14P + 40S | 6450869-6 |
| - | 1.595 | .345 | - | 2.015 | 4P + 16S | 6450869-5 |
| - | .120 | .795 | .200 | 1.340 | 24S + 2P | 6450869-4 |
| - | - | - | - | - | 4S + 17HDP + 8S | 6450869-3 |
| - | - | - | - | - | 8S + 27P + 8S | 6450869-2 |
| - | - | .1025 | .115 | .780 | 6 LP | 6450869-1 |

THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: H.LIU 30APR2008
 CHK: S.ZHAO 30APR2008
 APVD: S.YAO

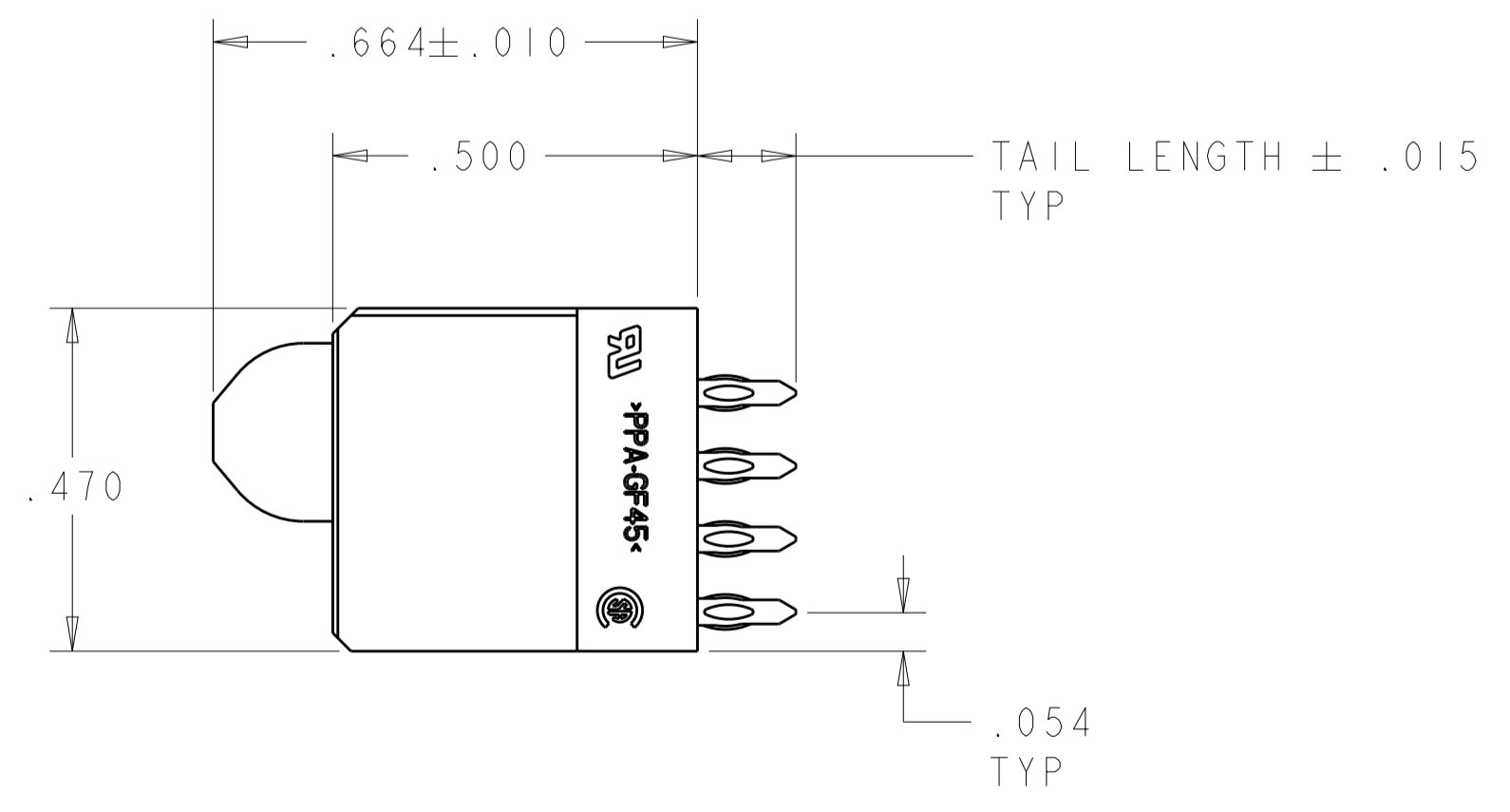
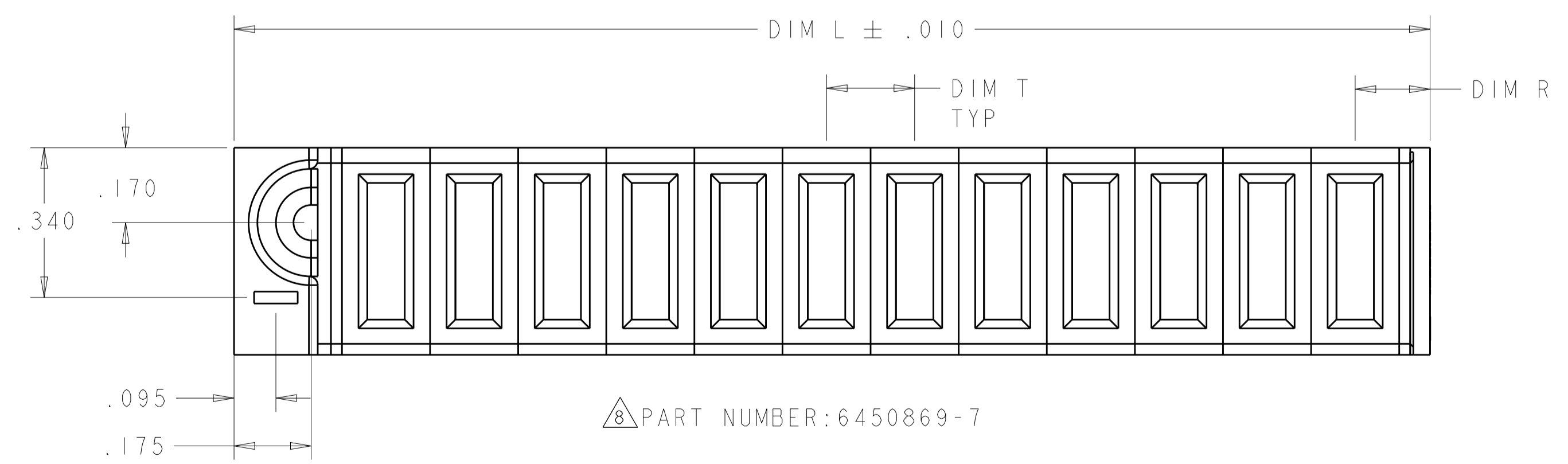
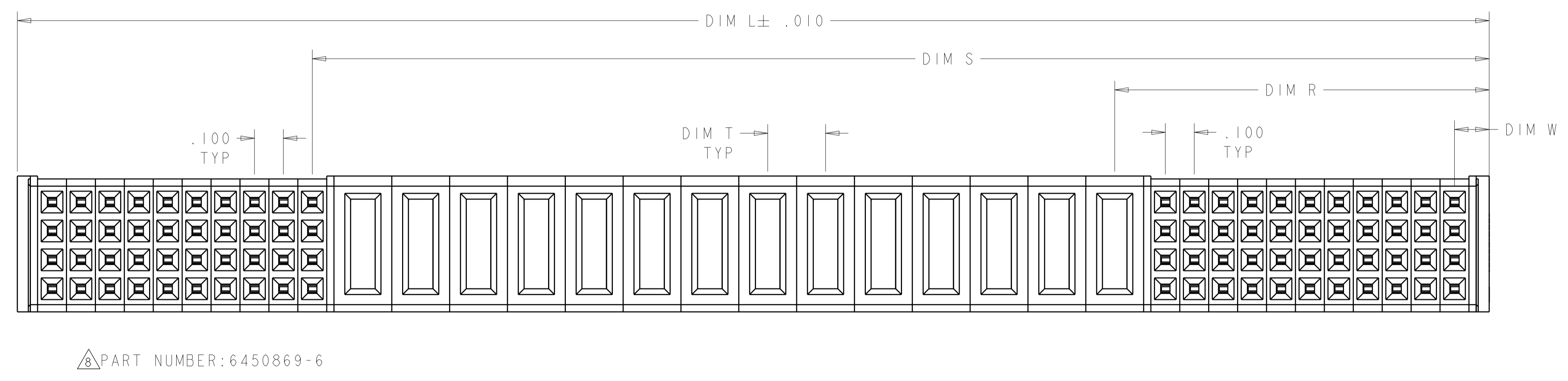
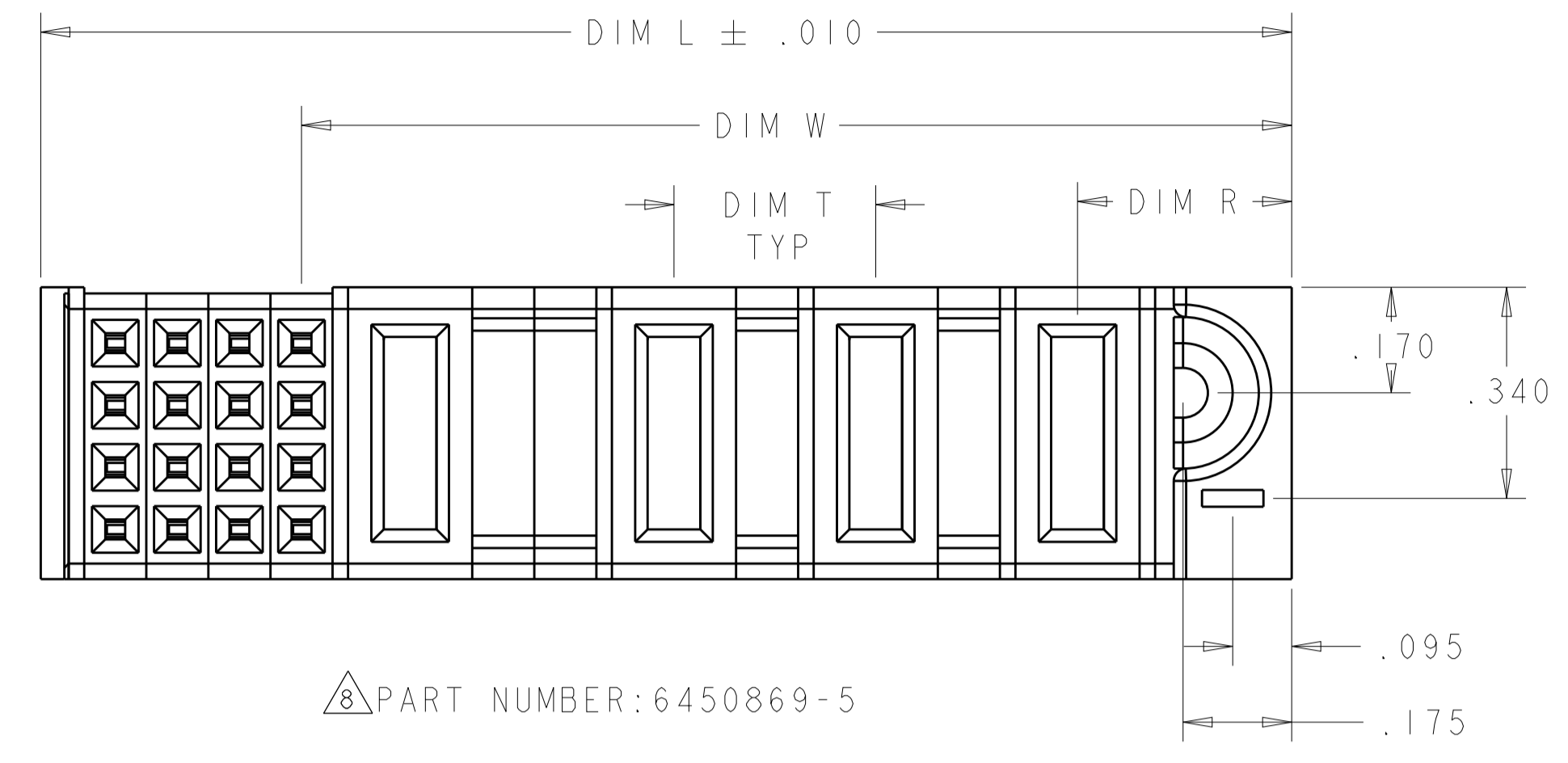
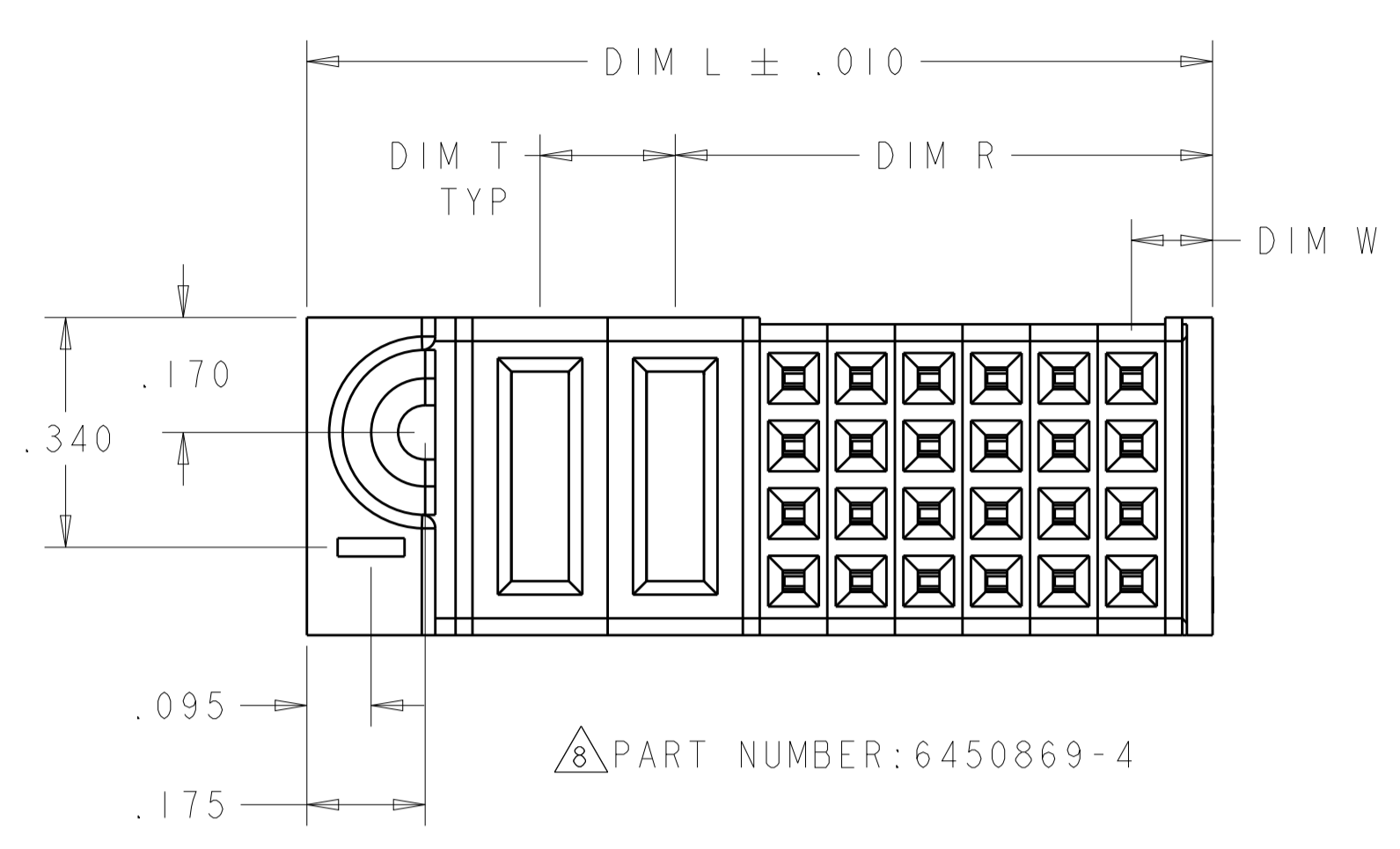
STE TE Connectivity

NAME: VERTICAL RECEPTACLE ASSEMBLY
 NO GUIDES
 MULTI-BEAM XLE

PRODUCT SPEC: 108-2292
 APPLICATION SPEC: 114-13038
 CAGE CODE: 114-13038
 DRAWING NO: 6450869

SCALE: 4:1 SHEET 1 OF 10 REV: E2

| LOC | | DIST | | REVISIONS | | | |
|-----|----|------|-----|-------------|------|-----|------|
| ES | 00 | P | LTN | DESCRIPTION | DATE | DWN | APVD |
| - | - | - | - | SEE SHEET 1 | - | - | - |



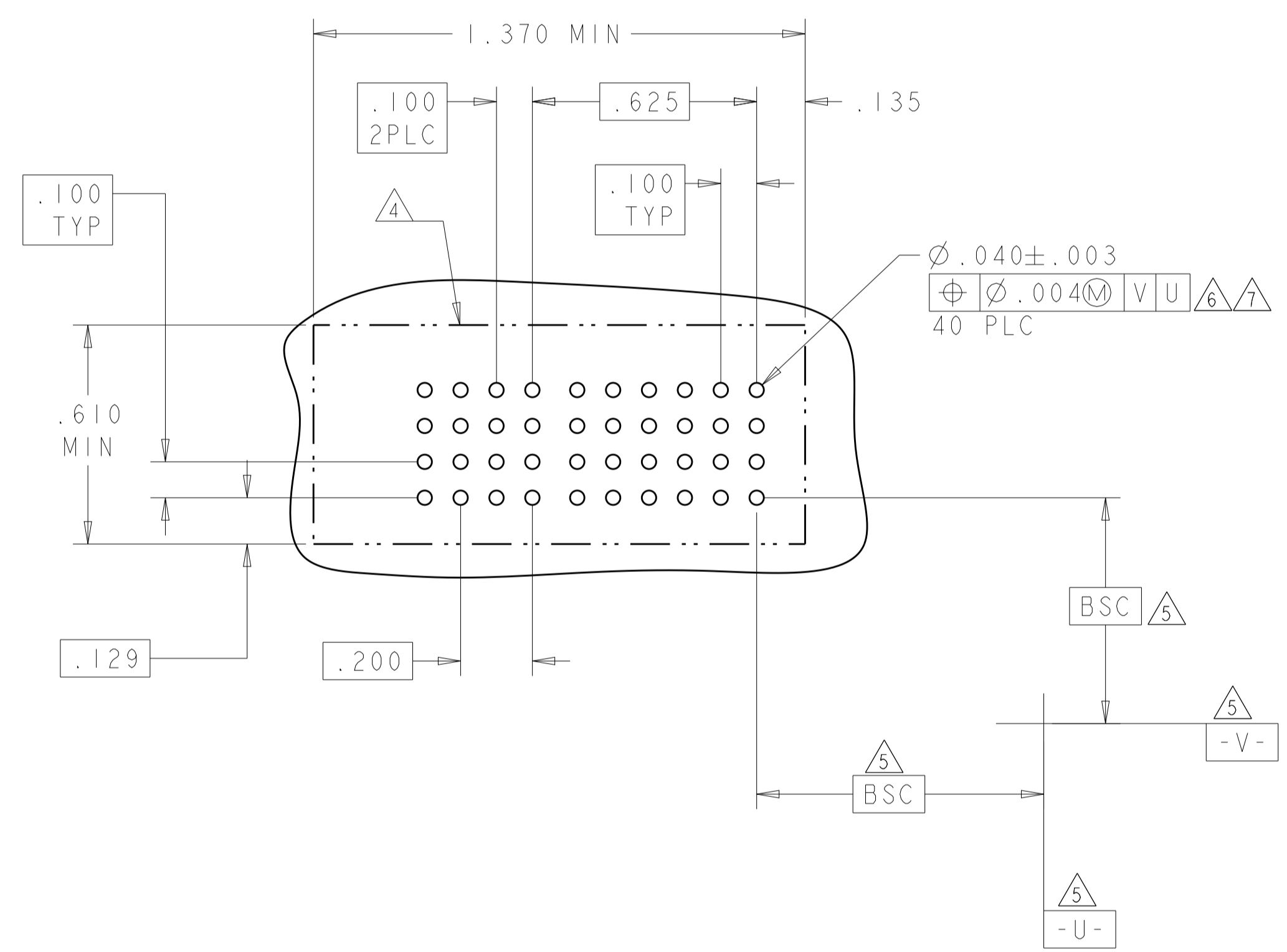
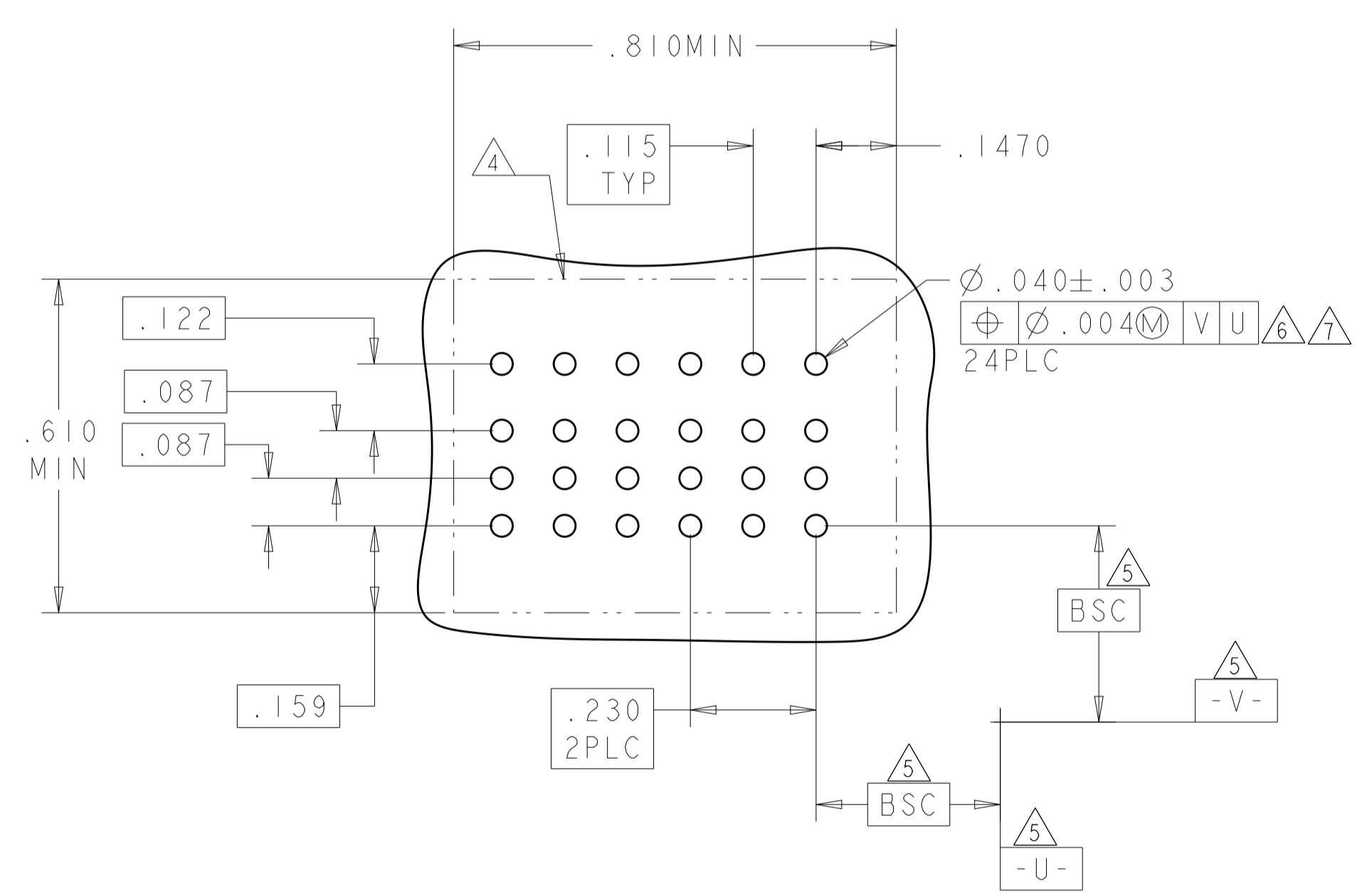
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|---|--|--|---------|---|-----------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN | H. LIU | 30APR2008 | TE Connectivity |
| DIMENSIONS: | | CHK | S. ZHAO | 30APR2008 | |
| INCHES | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | NAME | |
| 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.020 FINISH | | APVD | | S. YAO PRODUCT SPEC 108-2292 APPLICATION SPEC 114-13038 | |
| MATERIAL | | WEIGHT | | SIZE CAGE CODE DRAWING NO A100779C=6450869 | |
| CUSTOMER DRAWING | | SCALE | | SHEET 2 OF 10 REV E2 | |

| LOC | DIST | REV | DATE | BY | APP'D |
|-----|------|-----|------|----|-------|
| ES | 00 | | | | |

| PART NUMBER | POWER | | | | | |
|-------------|-------|-----|-----|-----|-----|-----|
| | LP6 | LP5 | LP4 | LP3 | LP2 | LP1 |
| 6450869-1 | LSI | LSI | LSI | LSI | LSI | LSI |
| 6 LP | | | | | | |

| PART NUMBER | ROWS | POWER | | SIGNAL | | | | | |
|-------------|------|-------|----|--------|----|----|----|----|----|
| | | P2 | PI | 6 | 5 | 4 | 3 | 2 | 1 |
| 6450869-4 | D | GP | GS | AP | AP | AP | AP | AP | AP |
| | C | | | AP | AP | AP | AP | AP | AP |
| | B | | | AP | AP | AP | AP | AP | AP |
| | A | | | AP | AP | AP | AP | AP | AP |

24S + 2P



| | |
|---------------|---|
| P | .115 TAIL LENGTH, PRESS FIT, SIGNAL |
| AP | .135 TAIL LENGTH, PRESS FIT, SIGNAL |
| VP | MFBL .115 TAIL LENGTH, PRESS FIT, POWER |
| VS | STD .115 TAIL LENGTH, PRESS FIT, POWER |
| GP | MFBL .135 TAIL LENGTH, PRESS FIT, POWER |
| GS | STD .135 TAIL LENGTH, PRESS FIT, POWER |
| LSI | STD .135 TAIL LENGTH, PRESS FIT, POWER |
| CODE | PRESS FIT |
| POWER CONTACT | |

THIS DRAWING IS A CONTROLLED DOCUMENT.

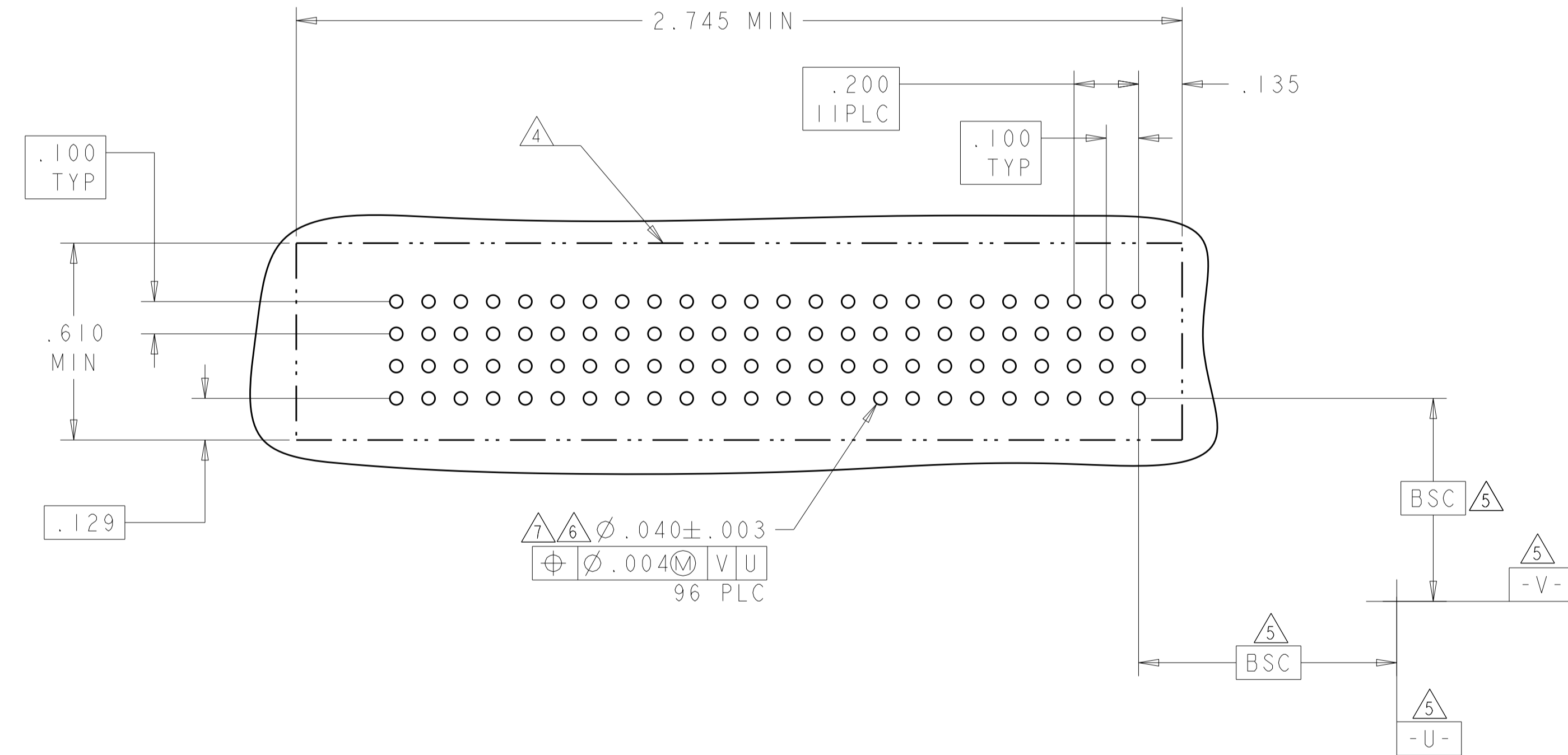
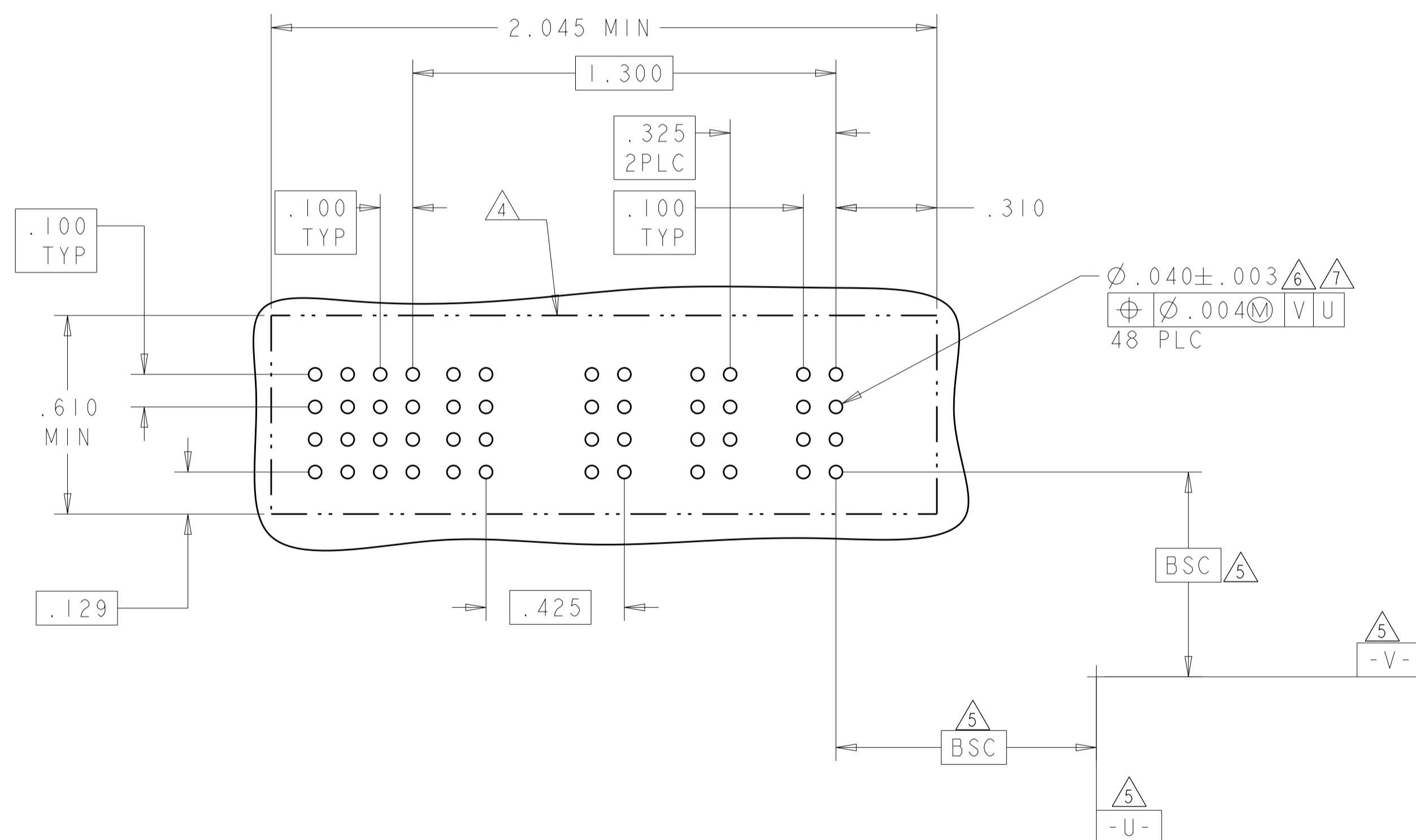
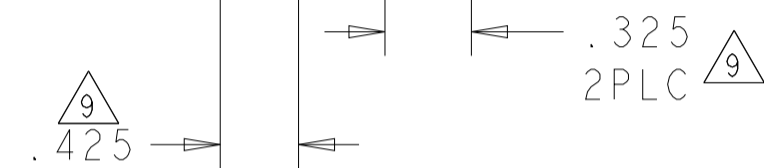
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|--------------------|--|-------------|-------------|-------------|-------------|---------------|---------------|--------|
| DIMENSIONS: INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED: | 0 PLC ± .01 | 1 PLC ± .01 | 2 PLC ± .01 | 3 PLC ± .01 | 4 PLC ± .0020 | ANGLES ± .020 | FINISH |
|--------------------|--|-------------|-------------|-------------|-------------|---------------|---------------|--------|

| | | |
|------------------|------------|------------------------------------|
| OWN: H. LIU | 30APR2008 | TE Connectivity |
| CHK: S. ZHAO | 30APR2008 | |
| AP'D: S. YAO | | NAME: VERTICAL RECEPTACLE ASSEMBLY |
| | | PRODUCT SPEC: 108-2292 |
| | | APPLICATION SPEC: 114-13038 |
| MATERIAL: | | SIZE: A1 |
| | | CAGE CODE: 100779 |
| | | DRAWING NO: 6450869 |
| CUSTOMER DRAWING | SCALE: 4:1 | SHEET 3 OF 10 |
| | | REV: E2 |

| LOC | DIST | REVISIONS | | | |
|-----|------|-------------|------|-----|------|
| P | LTN | DESCRIPTION | DATE | DMN | APVD |
| ES | 00 | SEE SHEET 1 | - | - | - |
| | | | | | |
| | | | | | |

| PART NUMBER | ROWS | SIGNAL | | | | POWER | | | |
|-------------|------|--------|----|----|----|-------|----|----|----|
| | | 4 | 3 | 2 | 1 | P4 | P3 | P2 | P1 |
| 6450869-5 | D | AP | AP | AP | AP | GP | GS | GS | GS |
| | C | AP | AP | AP | AP | | | | |
| | B | AP | AP | AP | AP | | | | |
| | A | AP | AP | AP | AP | | | | |
| 4P + 16S | | | | | | | | | |

| PART NUMBER | POWER | | | | | | | | | | | |
|-------------|-------|-----|-----|----|----|----|----|----|----|----|----|----|
| | P12 | P11 | P10 | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 |
| 6450869-7 | GS | GS | GP | GS | GS | GS | GS | GS | GP | GS | GS | GS |
| 12P | | | | | | | | | | | | |



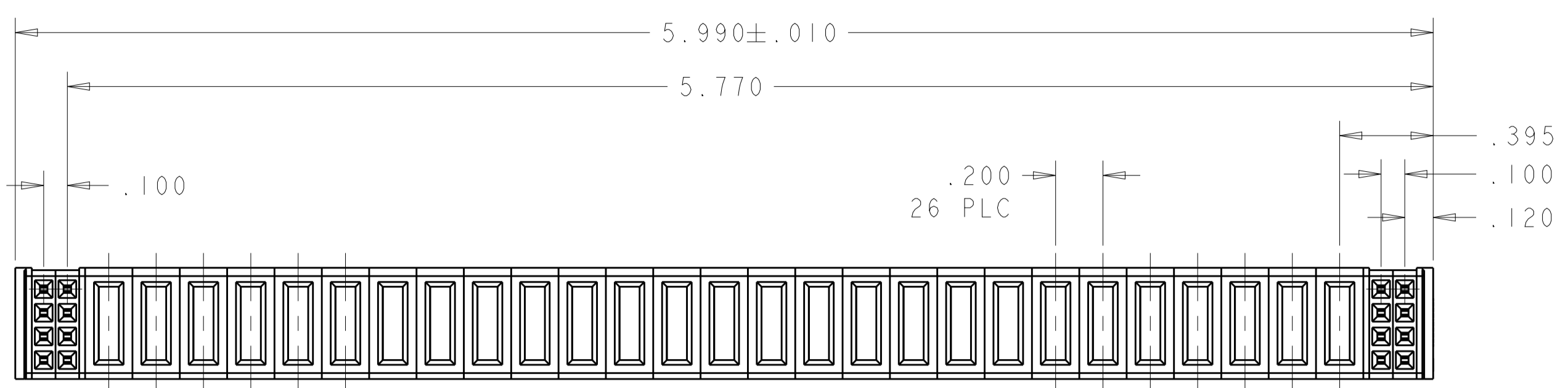
THIS DRAWING IS A CONTROLLED DOCUMENT.

| | | | | | | |
|-----------------------|--|--------|---|---|---|---------------|
| DIMENSIONS: INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7° | FINISH | DMN H.LIU 30APR2008 CHK S.ZHAO 30APR2008 APVD S.YAO | NAME PRODUCT SPEC 108-2292 APPLICATION SPEC 114-13038 WEIGHT | SIZE CAGE CODE DRAWING NO A100779C=6450869 | RESTRICTED TO |
| MATERIAL | | | CUSTOMER DRAWING | SCALE 4:1 | SHEET 4 OF 10 | REV E2 |

STE TE Connectivity

VERTICAL RECEPTACLE ASSEMBLY
NO GUIDES
MULTI-BEAM XLE

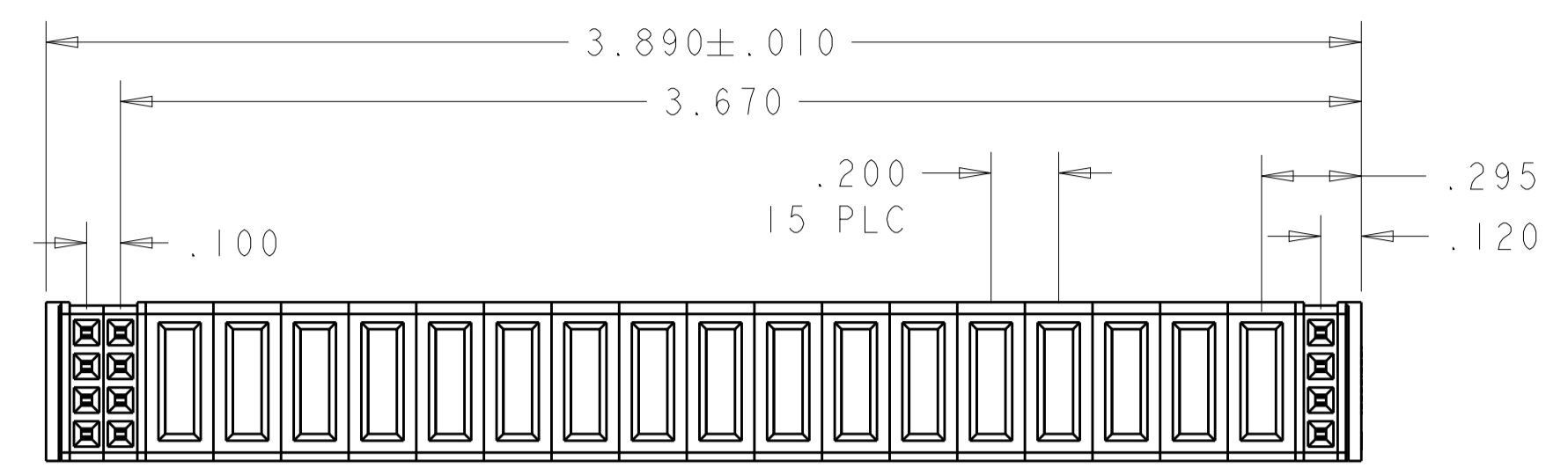
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|-----|------|-----------|-----|-------------|------|-----|------|
| | | P | LTN | DESCRIPTION | DATE | OWN | APVD |
| ES | 00 | - | - | SEE SHEET 1 | - | - | - |



PART NUMBER: 6450869-2

| PART NUMBER | ROWS | SIGNAL | | POWER | | | | | | | | | | | | | | | | | | SIGNAL | | | | | | | | | | | |
|-------------|------|--------|---|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|----|----|----|----|----|----|----|----|---|---|---|
| | | 4 | 3 | P27 | P26 | P25 | P24 | P23 | P22 | P21 | P20 | P19 | P18 | P17 | P16 | P15 | P14 | P13 | P12 | P11 | P10 | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 | 2 | 1 | |
| 6450869-2 | D | P | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | P | P |
| | C | P | P | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | P | P | |
| | B | P | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | P | P | |
| | A | P | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | P | P | |

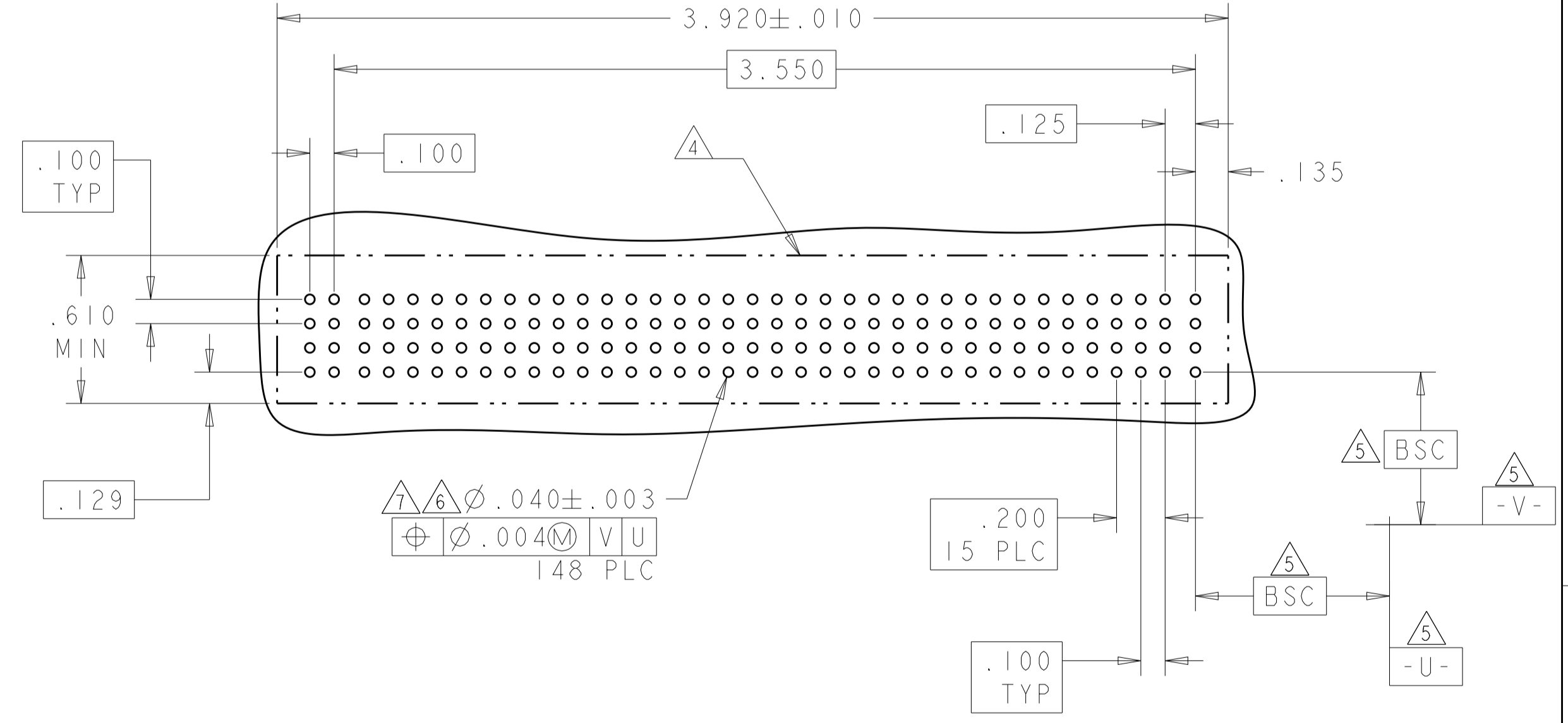
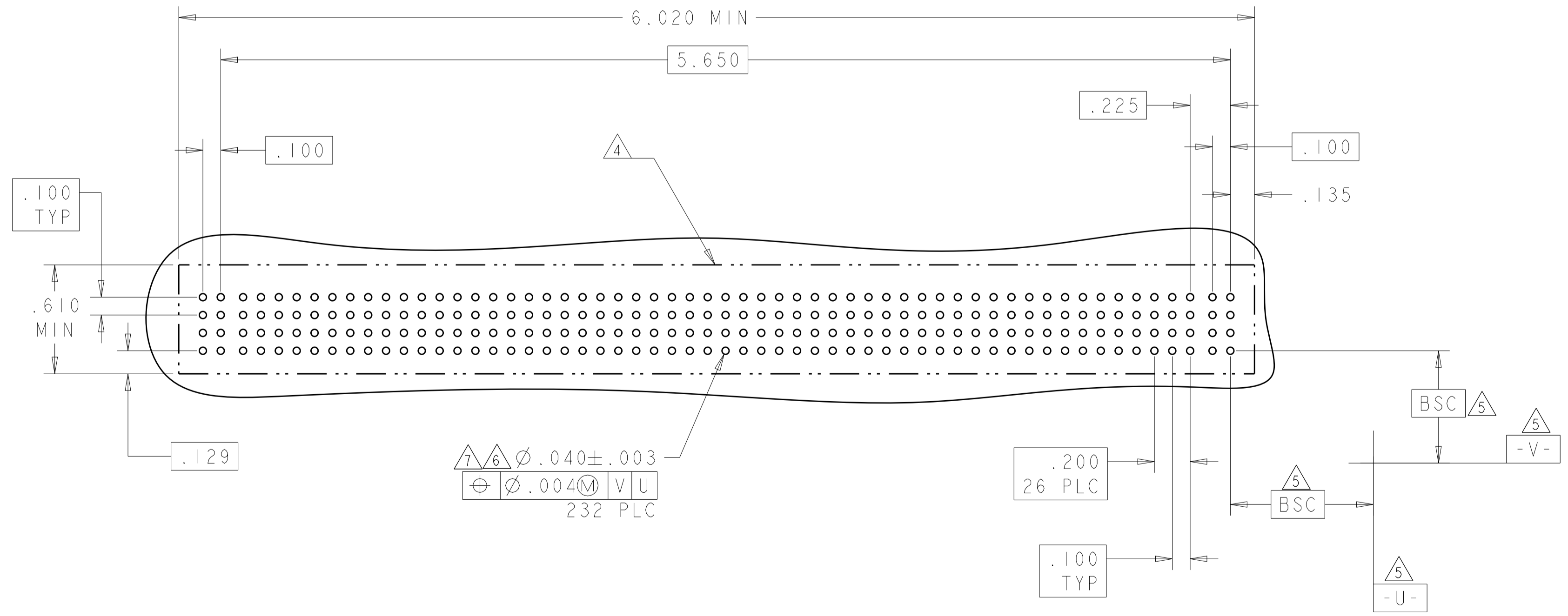
8S + 27P + 8S



PART NUMBER: 6450869-3

| PART NUMBER | ROWS | SIGNAL | | POWER | | | | | | | | | | | | | | | | | | S | | | | | | | | |
|-------------|------|--------|---|-------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|
| | | 3 | 2 | P17 | P16 | P15 | P14 | P13 | P12 | P11 | P10 | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 | 1 | | | | | | | | | |
| 6450869-3 | D | P | P | | | | | | | | | | | | | | | | | | | | | | | | | | | P |
| | C | P | P | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | VS | P | |
| | B | P | P | | | | | | | | | | | | | | | | | | | | | | | | | | P | |
| | A | P | P | | | | | | | | | | | | | | | | | | | | | | | | | | P | |

4S + 17HDP + 8S



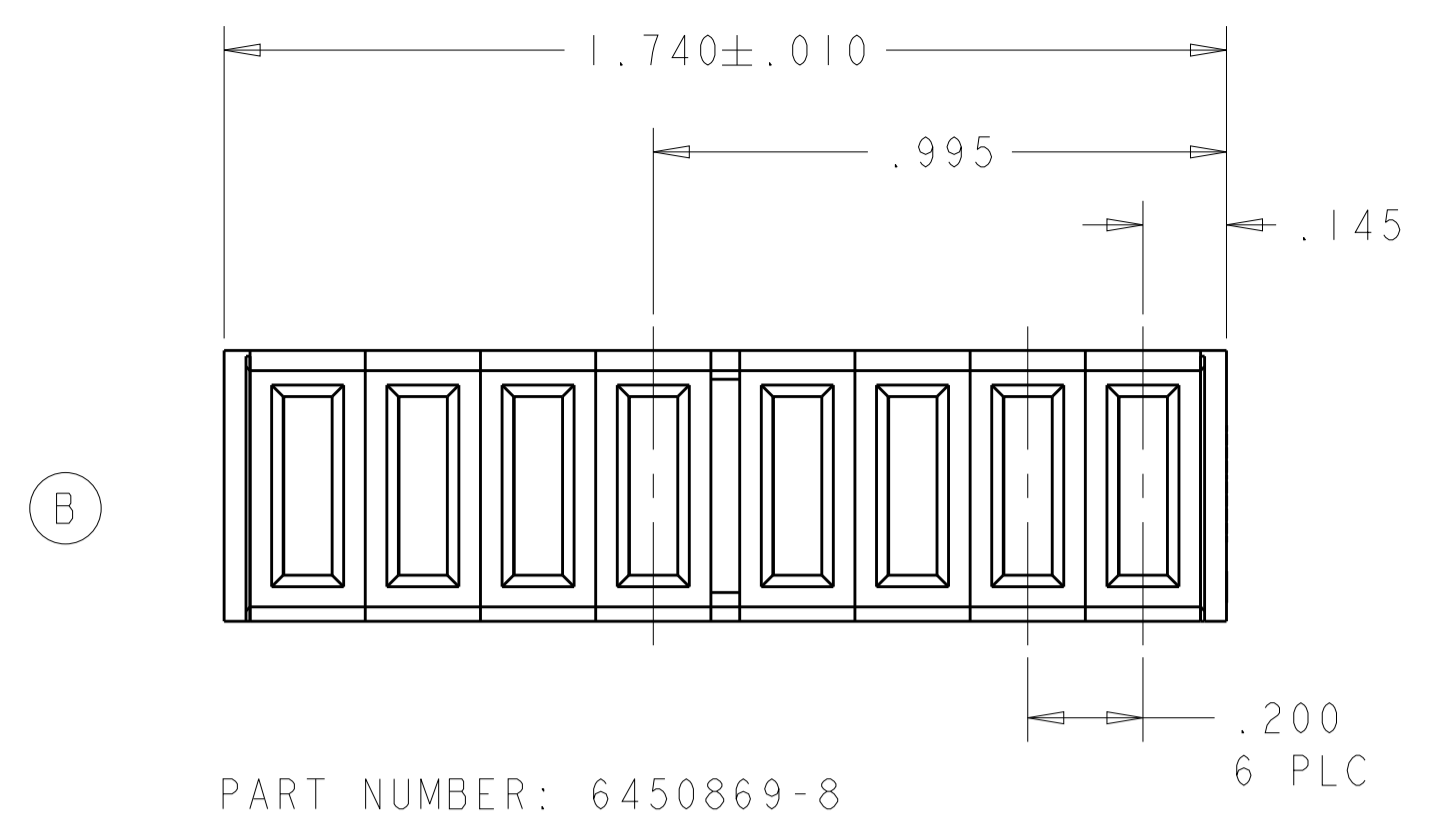
THIS DRAWING IS A CONTROLLED DOCUMENT.

| | | | |
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| DIMENSIONS: INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7° | FINISH | FINISH |
|-----------------------|--|--------|--------|

| | | | |
|-----------------------|------------------------|-----------------------------|------------------------|
| OWN: H. LIU 30APR2008 | CHK: S. ZHAO 30APR2008 | NAME: S. YAO | PRODUCT SPEC: 108-2292 |
| APVD: S. YAO | | APPLICATION SPEC: 114-13038 | RESTRICTED TO: - |
| MATERIAL: - | | WEIGHT: - | SCALE: 4:1 |
| CUSTOMER DRAWING | | SIZE: A1 | SHEET: 6 OF 10 |

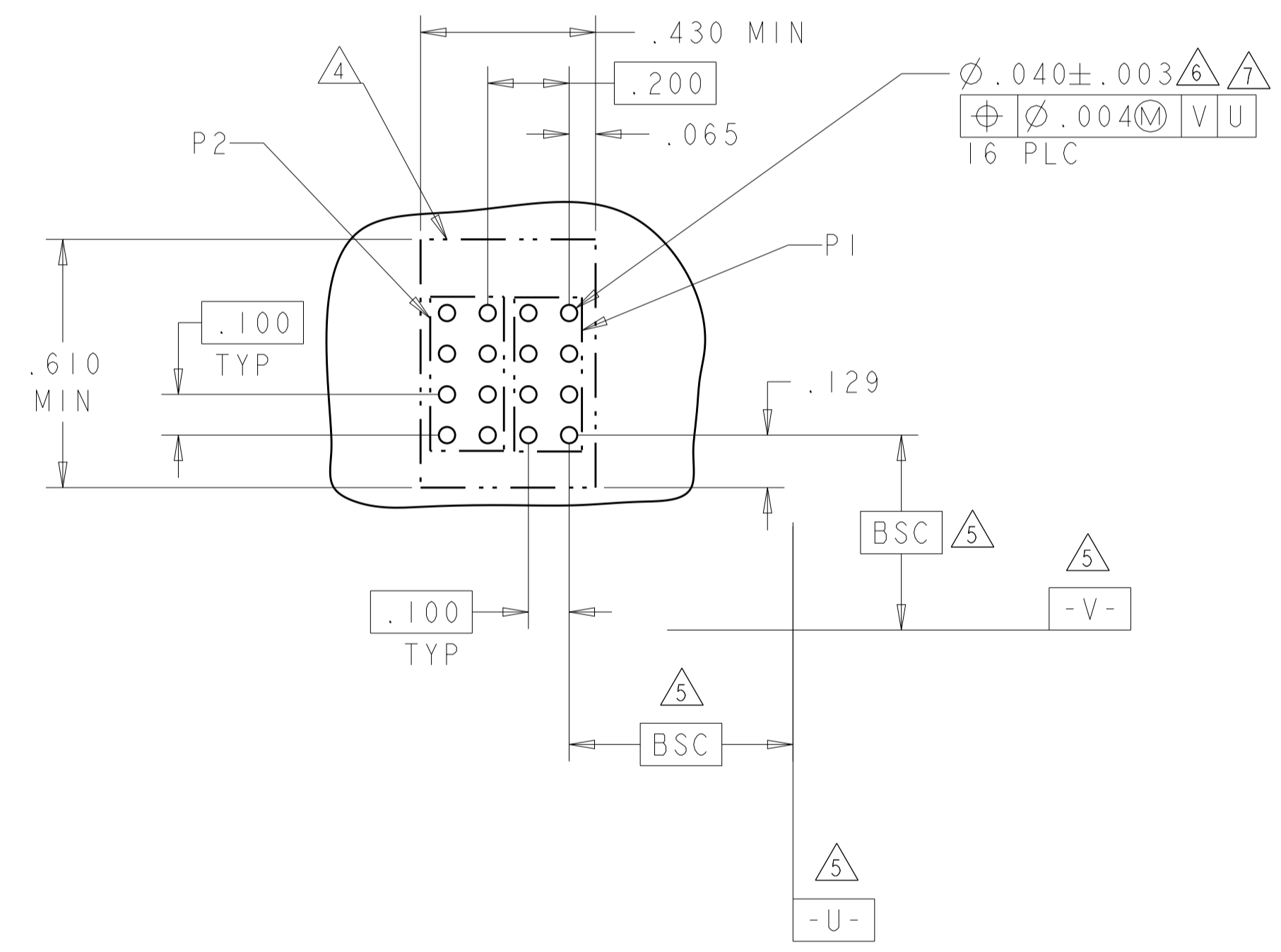
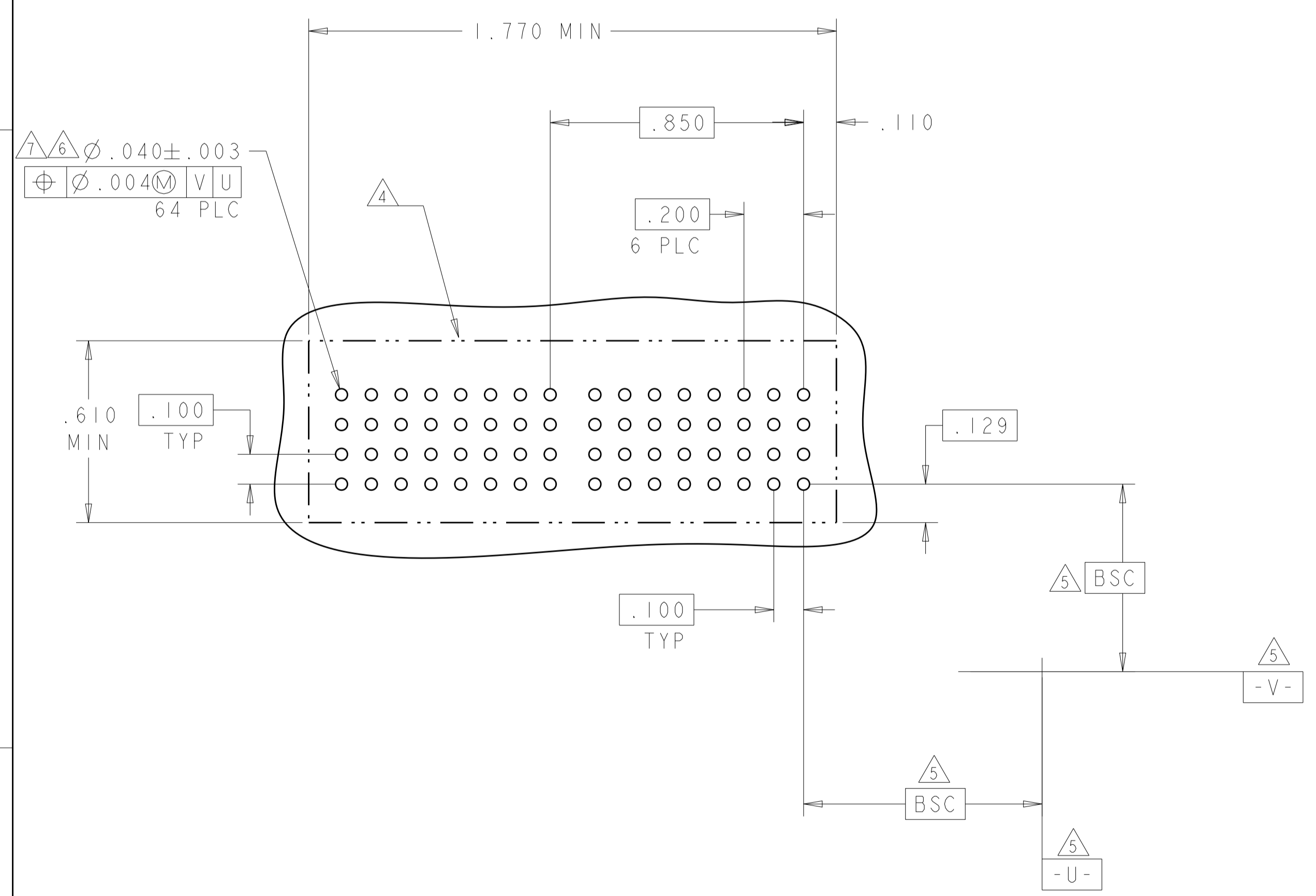
TE Connectivity
STE
 VERTICAL RECEPTACLE ASSEMBLY
 NO GUIDES
 MULTI-BEAM XLE
 A100779 ©=6450869
 REV: E2

| LOC | DIST | REVISIONS | | | |
|-----|------|-------------|------|-----|------|
| P | LTN | DESCRIPTION | DATE | DWN | APVD |
| - | - | SEE SHEET 1 | - | - | - |



| PART NUMBER | POWER | |
|-------------|-------|----|
| | P2 | P1 |
| 1-6450869-3 | GP | GS |
| 2P | | |

| PART NUMBER | ROWS | POWER | | | | | | | |
|-------------|------|-------|----|----|----|----|----|----|----|
| | | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 |
| 6450869-8 | D | | | | | | | | |
| | C | GS | GS | GS | GS | GS | GS | GS | GS |
| | B | | | | | | | | |
| | A | | | | | | | | |
| 8P | | | | | | | | | |



THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: H.LIU 30APR2008
 CHK: S.ZHAO 30APR2008

TE Connectivity

VERTICAL RECEPTACLE ASSEMBLY
 NO GUIDES
 MULTI-BEAM XLE

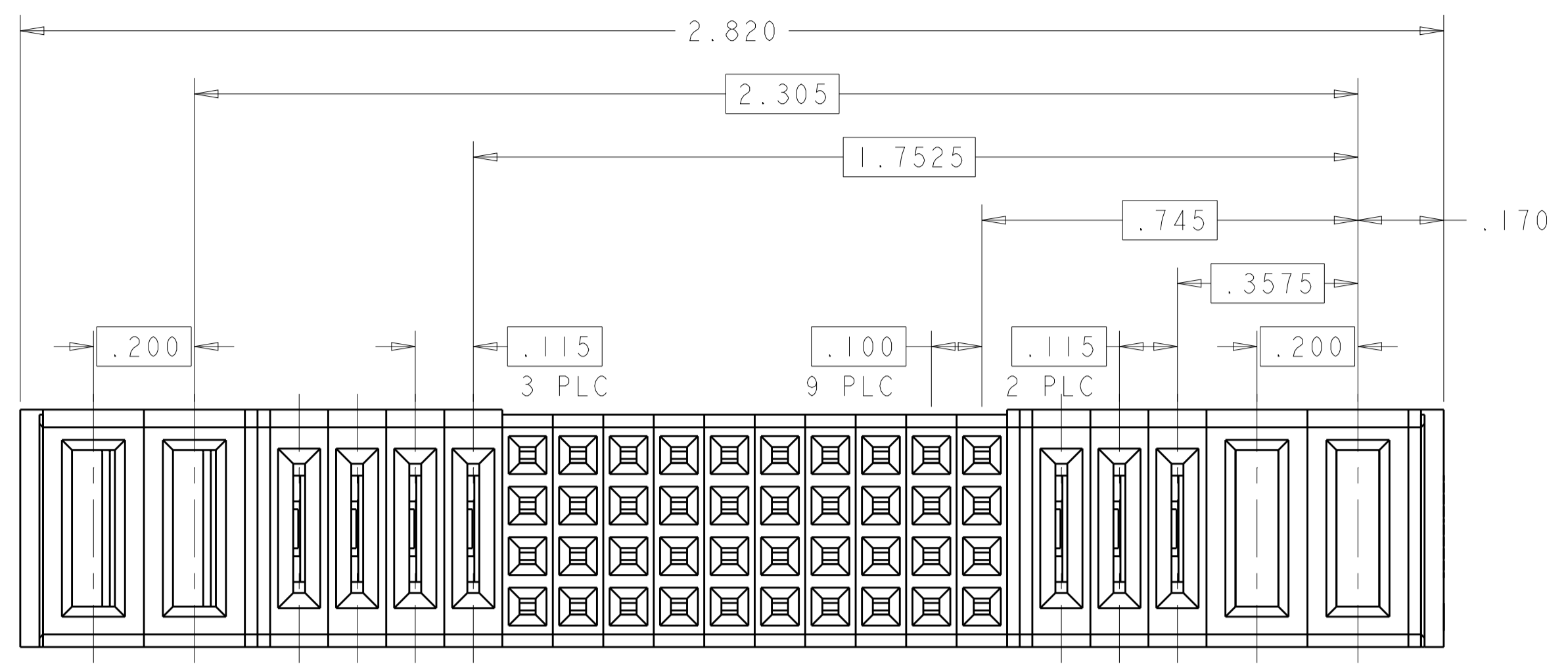
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 PRODUCT SPEC: 108-2292
 APPLICATION SPEC: 114-13038
 WEIGHT: -
 MATERIAL: -
 FINISH: -

SIZE: A1
 CAGE CODE: 100779
 DRAWING NO: 6450869

CUSTOMER DRAWING

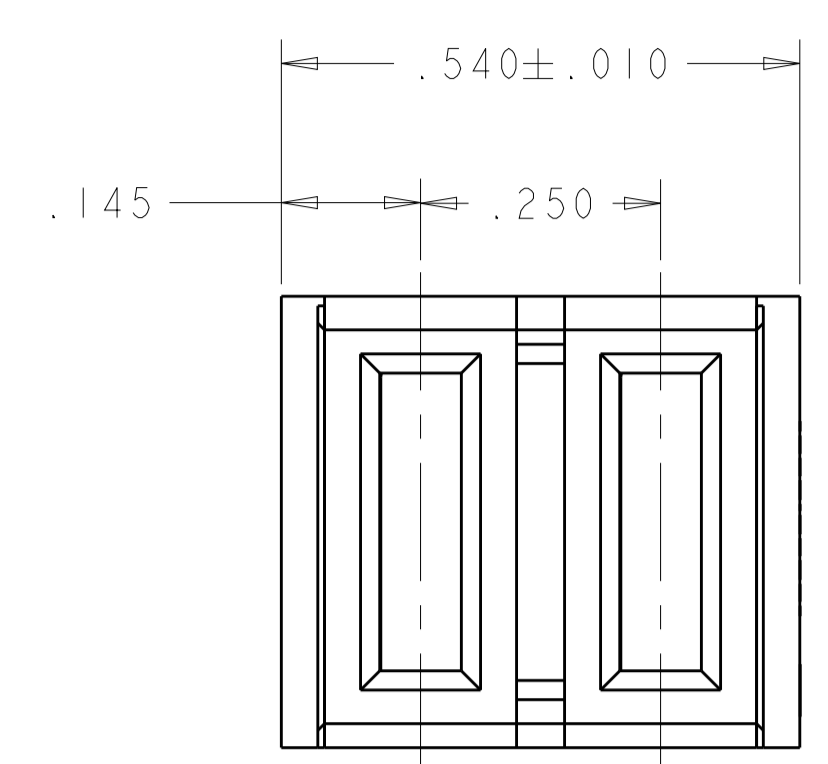
SCALE: 4:1 SHEET 7 OF 10 REV: E2

| LOC | | DIST | | REVISIONS | | | |
|-----|----|------|-----|-------------|------|-----|------|
| ES | 00 | P | LTM | DESCRIPTION | DATE | DWN | APVD |
| | | | | SEE SHEET 1 | | | |

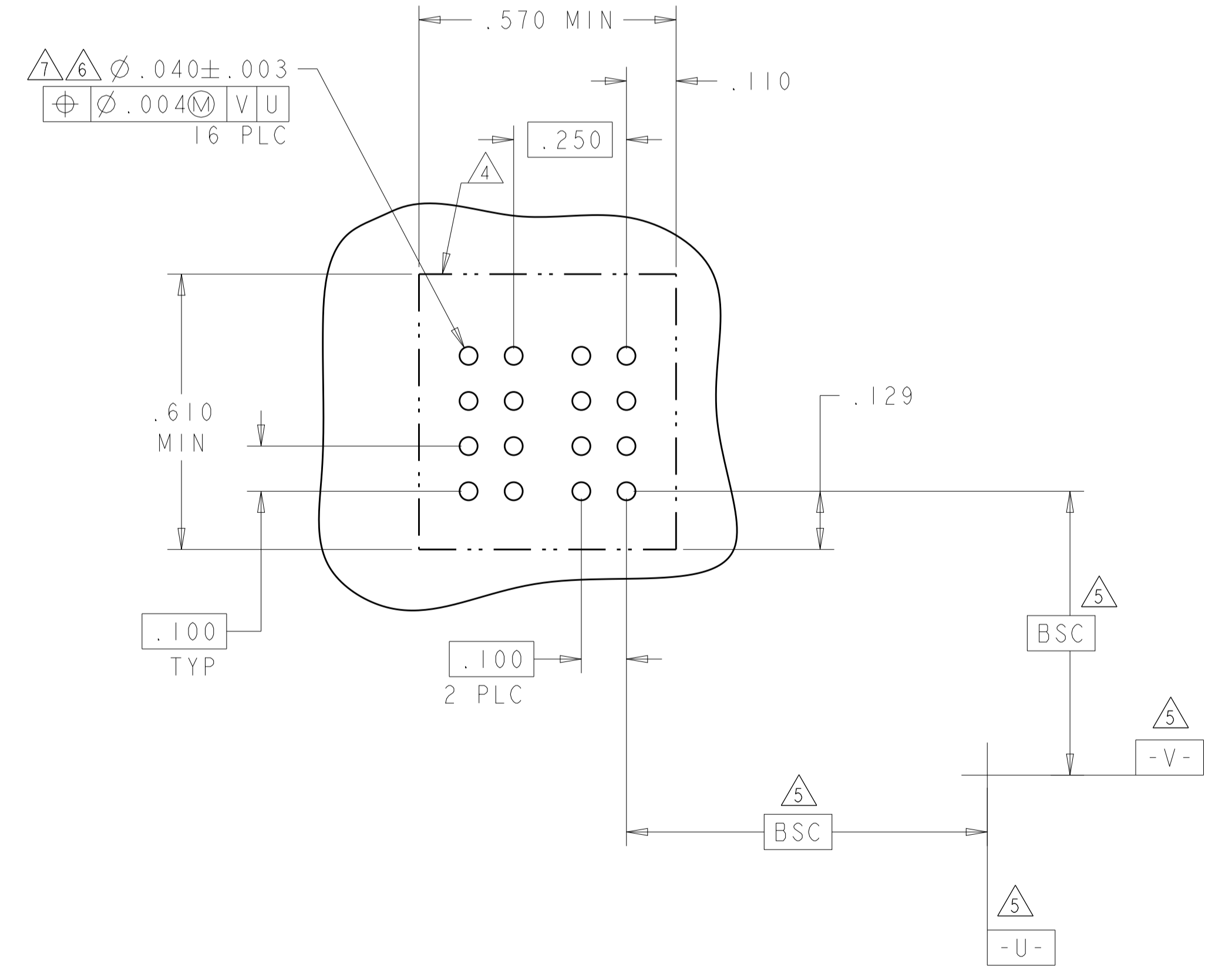
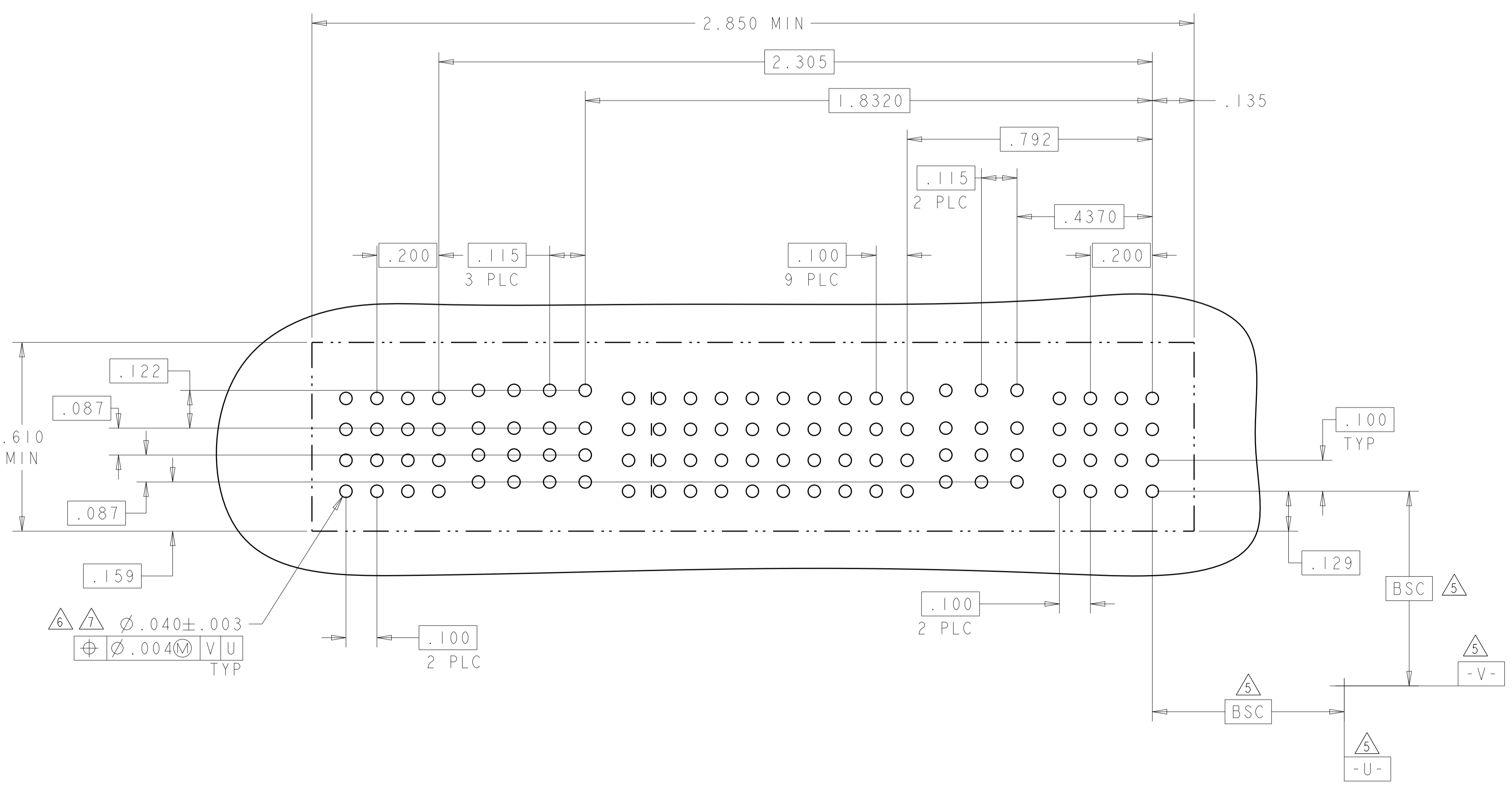


| PART NUMBER | ROWS | POWER | | | | SIGNAL | | | | | | | | | | POWER | | | | | | | |
|-------------|------|-------|----|-----|-----|--------|-----|----|----|----|----|----|----|----|----|-------|----|-----|-----|-----|----|----|--|
| | | P4 | P3 | LP7 | LP6 | LP5 | LP4 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | LP3 | LP2 | LP1 | P2 | P1 | |
| 1-6450869-6 | D | | | | | | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | | | | | | |
| | C | GS | GS | LSI | LSI | LSI | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | LSI | LSI | LSI | GS | GS | |
| | B | | | | | | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | | | | | | |
| | A | | | | | | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | | | | | | |

2HDP + 3LP + 40S + 4LP + 2HDP



| PART NUMBER | POWER | |
|-------------|-------|----|
| | P2 | P1 |
| 1-6450869-7 | GS | GS |
| 2P | | |



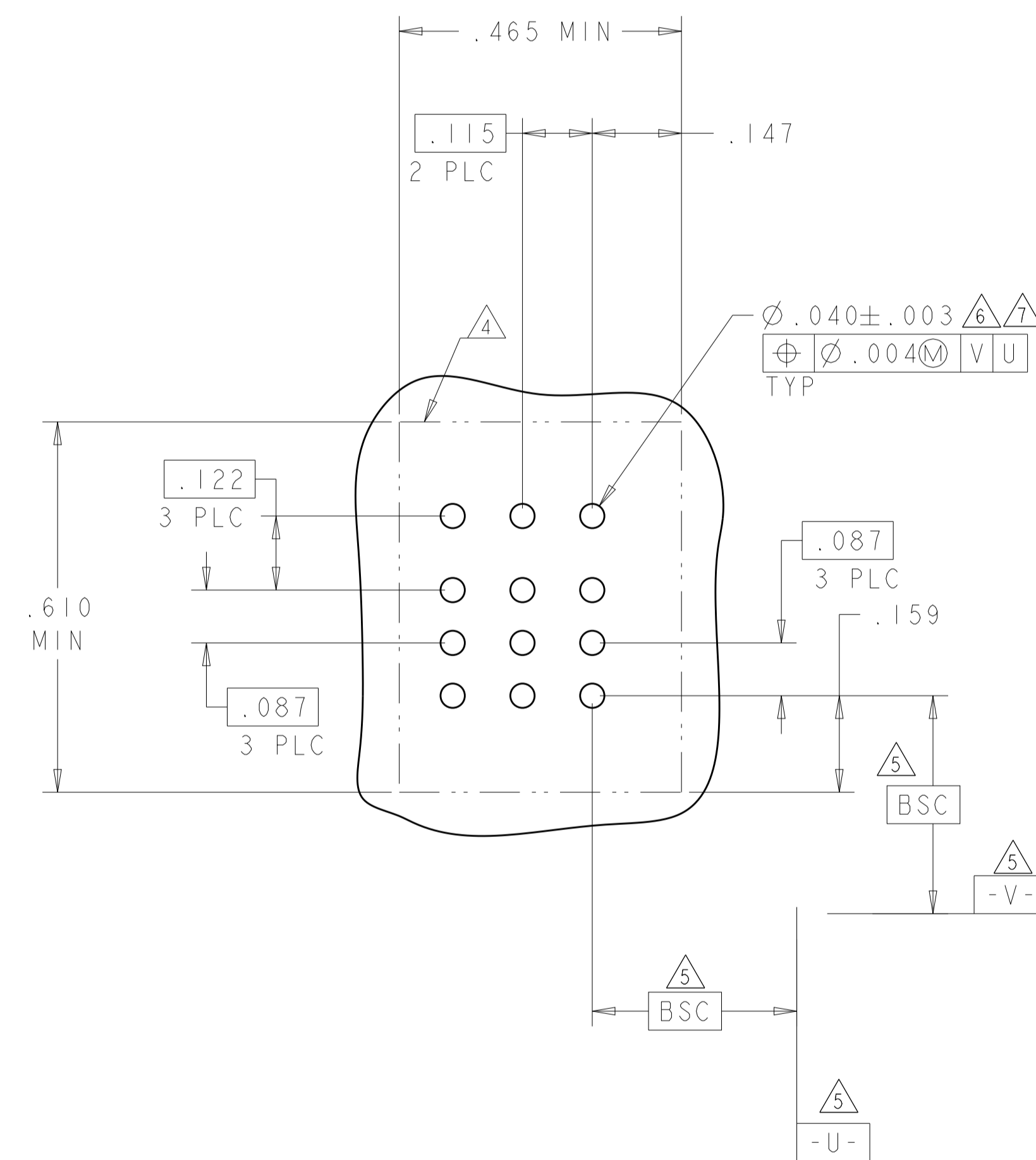
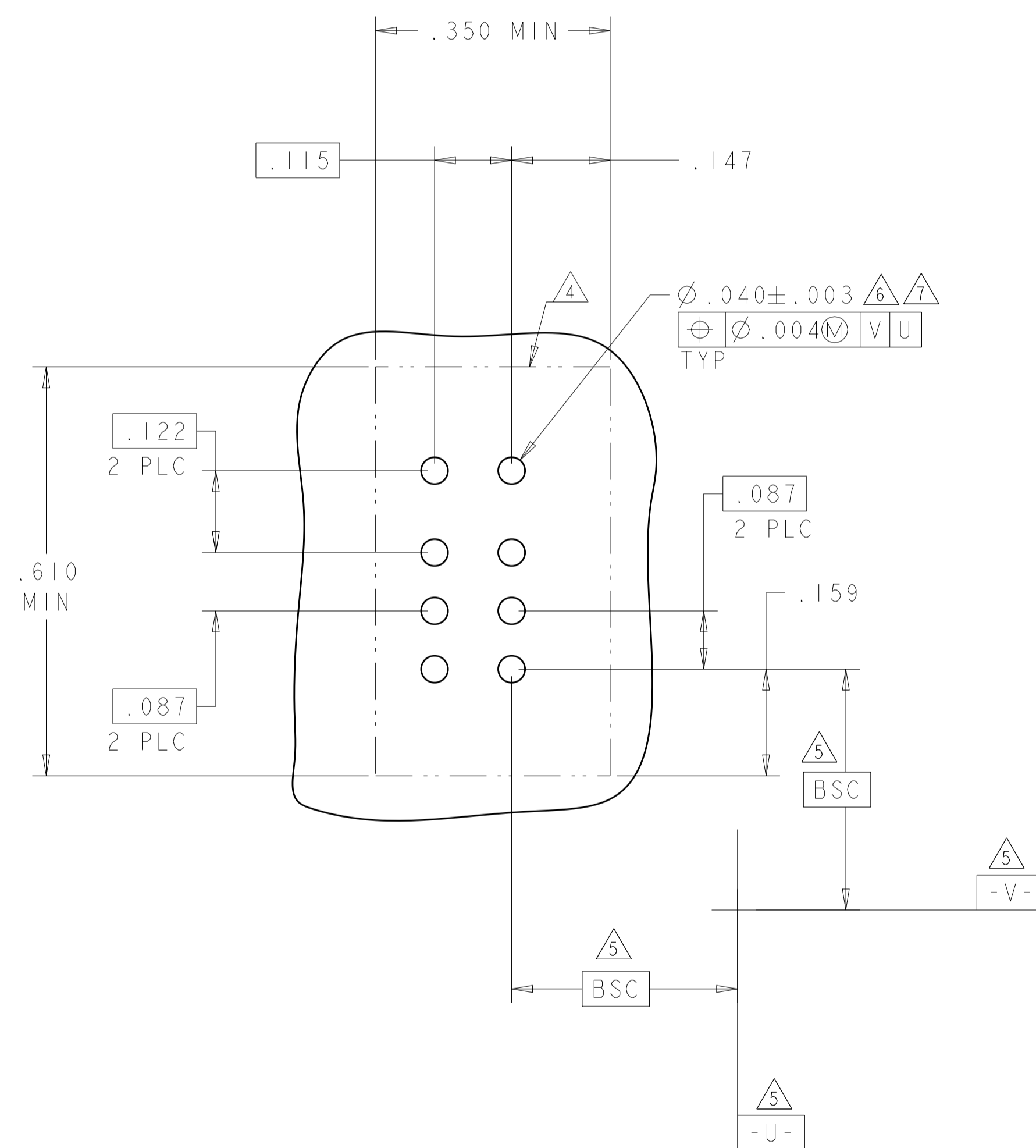
| DIMENSIONS: | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD | | NAME | |
|-------------|---------|--|------------|-------------|--------------|---------------|--------|
| INCHES | 0 PLC ± | 1 PLC ±.01 | 2 PLC ±.01 | 3 PLC ±.005 | 4 PLC ±.0020 | ANGLES ±.020 | FINISH |
| MATERIAL | | FINISH | | WEIGHT | | RESTRICTED TO | |

| | | | |
|--|--|----------------------------------|-----------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN: H.LIU 30APR2008 | TE Connectivity |
| DIMENSIONS: INCHES | | CHK: S.ZHAO 30APR2008 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD: S.YAO | PRODUCT SPEC |
| MATERIAL | | APPLICATION SPEC | |
| FINISH | | SIZE: 114-13038 | |
| WEIGHT | | CAGE CODE: 6450869 | |
| CUSTOMER DRAWING | | SCALE: 4:1 SHEET 9 OF 10 REV: E2 | |

| LOC | DIST | REVISIONS | | | |
|-----|------|-------------|------|-----|------|
| P | LTN | DESCRIPTION | DATE | DMN | APVD |
| ES | 00 | SEE SHEET 1 | - | - | - |

| PART NUMBER | LOW POWER | |
|-------------|-----------|-----|
| | LP2 | LP1 |
| 2-6450869-2 | LSI | LSI |
| 2LP | | |

| PART NUMBER | LOW POWER | | |
|-------------|-----------|-----|-----|
| | LP3 | LP2 | LP1 |
| 2-6450869-3 | LSI | LSI | LSI |
| 3 LP | | | |



| | | | |
|--|-------------|----------------------|------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DMN H.LIU 30APR2008 | |
| DIMENSIONS: INCHES | | CHK S.ZHAO 30APR2008 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD S.YAO | NAME |
| 0 PLC ±. | 1 PLC ±.01 | PRODUCT SPEC | VERTICAL RECEPTACLE ASSEMBLY |
| 2 PLC ±.01 | 3 PLC ±.005 | APPLICATION SPEC | NO GUIDES |
| 4 PLC ±.0020 | ANGLES ±.7° | 114-13038 | MULTI-BEAM XLE |
| MATERIAL | FINISH | WEIGHT | RESTRICTED TO |
| CUSTOMER DRAWING | | SCALE 4:1 | SHEET 10 OF 10 |

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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