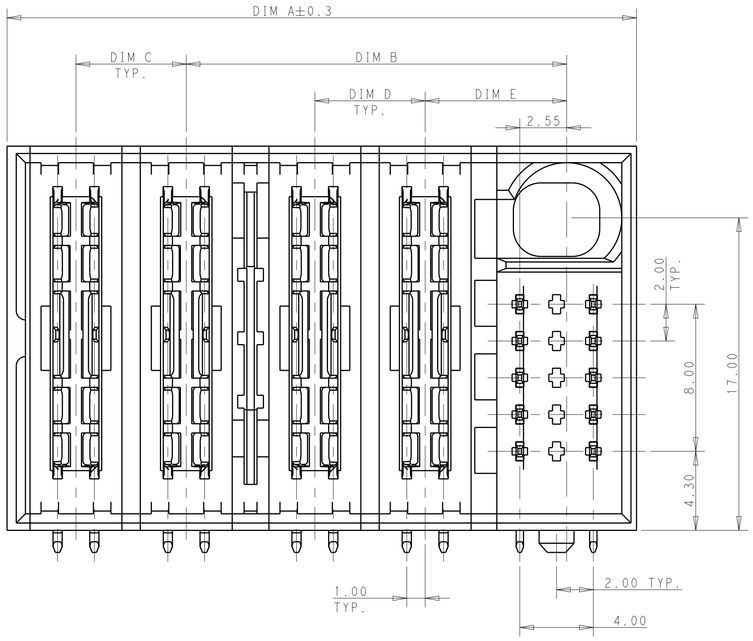
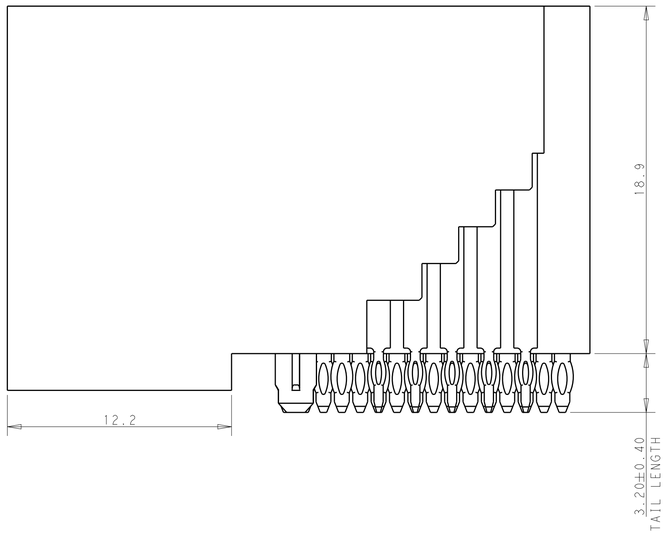
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REVISIONS

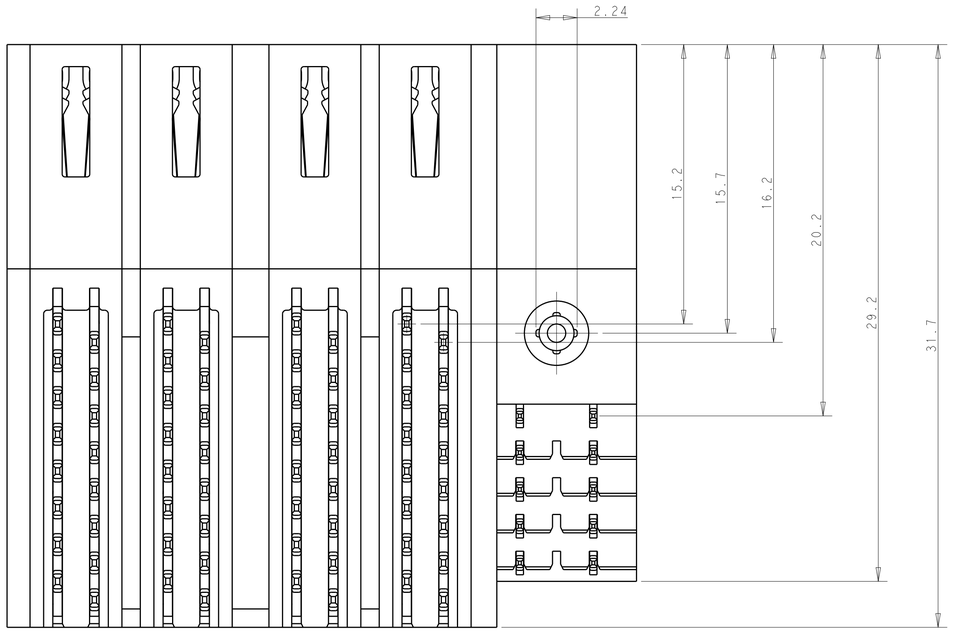
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
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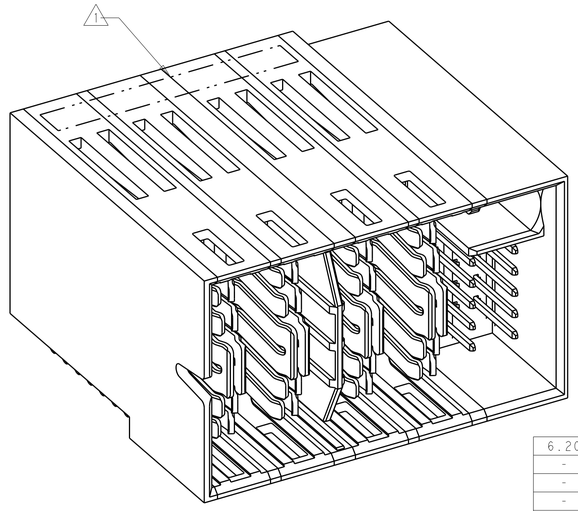



NOTES, UNLESS OTHERWISE SPECIFIED:

1. "TE", PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN.
2. MATERIAL:
   HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC,
   COLOR: BLACK, UL94 V- 0.
   SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.
   POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.
3. CONTACT PLATING:
   MATING AREA - NOBLE METAL OVERALL NICKEL
   TAIL SIDE AREA - MATTE TIN OVERALL NICKEL.
4. MECHANICAL CONNECTOR KEEP OUT ZONE.
5. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
6. PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
7. PCB HOLE:
   POWER - 1.15±0.025 MM DRILLED HOLES SIZE PLATING WITH 0.0076 MM MIN.
   Sn OVER 0.025~0.076 MM Cu PLATING TO ACHIEVE A 1.02 MM DIA. HOLE.
   SIGNAL - 0.835±0.025 MM DRILLED HOLES SIZE PLATING WITH 0.0076 MM MIN.
   Sn OVER 0.025~0.076 MM Cu PLATING TO ACHIEVE A 0.72 MM DIA. HOLE.




| DIM F. | DIM E. | DIM D. | DIM C. | DIM B. | DIM A. | DESCRIPTION | PART NUMBER |
|---|---|---|---|---|---|---|---|
| 6.20 | 10.70 | 6.00 | - | - | 36.25 | 4VP+20S | 2204446-8 |
| - | 7.70 | 5.00 | - | - | 30.25 | 4P+15S | 2204446-7 |
| - | 7.70 | 5.00 | - | - | 67.25 | 10S+1P+2P+2P+2P+2P | 2204446-6 |
| - | 7.70 | 6.00 | 6.00 | 32.70 | 58.25 | 4VP++4VP+15S | 2204446-4 |
| - | 7.70 | 5.00 | - | - | 20.25 | 2P+15S | 2204446-3 |
| - | 7.70 | 6.00 | 6.00 | 32.70 | 58.25 | 15S+4VP+4VP | 2204446-2 |
| - | 7.70 | 6.00 | 6.00 | 20.70 | 34.25 | 2VP+2VP+10S | 2204446-1 |

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DWN THOMAS ZHAO 17NOV2014
CHK SUNY ZHAO 17NOV2014
APVD SUNY ZHAO 17NOV2014

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±.
1 PLC ±0.4
2 PLC ±0.25
3 PLC ±0.15
4 PLC ±0.0001
ANGLES ±.

MATERIAL - 2
FINISH - 3

TE Connectivity

NAME CUSTOMER DRAWING
R/A PLUG WITH SINGAL GIDE
MULTI-BEAM HD

PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

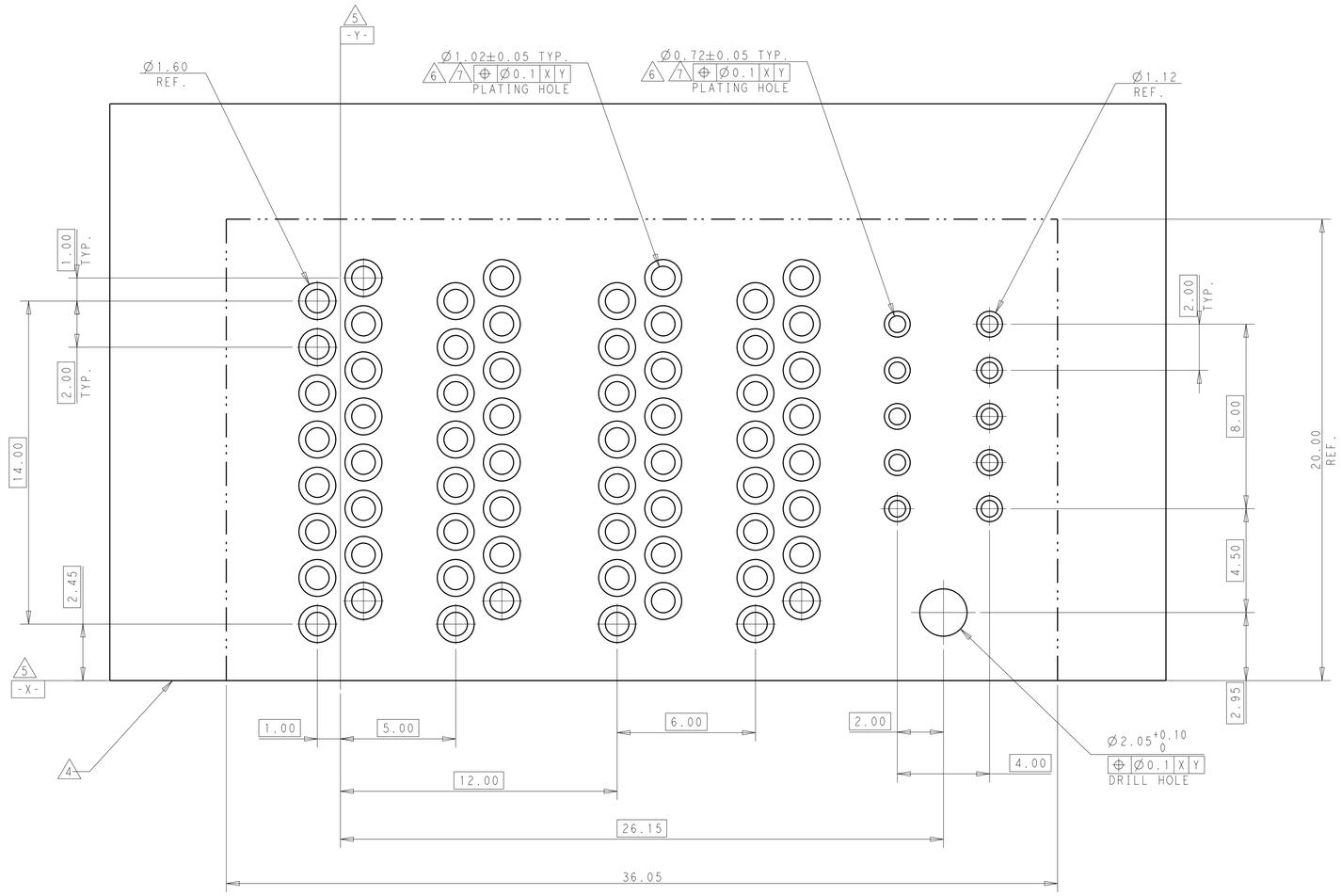
| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | - | C-2204446 | - |

CUSTOMER DRAWING | SCALE 6:1 | SHEET 1 OF 5 | REV A1

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REVISIONS

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




| PART NUMBER | POWER | | | | SIGNAL | | | ROWS |
|---|---|---|---|---|---|---|---|---|
| | P1 | P2 | P3 | P4 | 1 | | 2 | |
| 2204446-1 | PH | PH | PH | PH | SH1 | | SH1 | E |
| | | | | | SH1 | | SH1 | D |
| | | | | | SH1 | | SH1 | C |
| | | | | | SH1 | | SH1 | B |
| | | | | | SH1 | | SH1 | A |
| 2VP+2VP+10S | | | | | | | | |

| | |
|---|---|
| POWER CONTACT PRESS FIT | PH |
| SIGNAL CONTACT STANDARD PRESS FIT | SH1 |
| SIGNAL CONTACT MLBF PRESS FIT | SH2 |
| SIGNAL CONTACT SPECIAL PRESS FIT | SH3 |
| HP/SIGNAL WITH SINGAL GUIDE | HOUSING |
| DESCRIPTION | CODE |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.4
2 PLC ±0.25
3 PLC ±0.15
4 PLC ±0.0001
ANGLES ±-

MATERIAL -
FINISH -

DWN THOMAS ZHAO 17NOV2014
CHK SUNY ZHAO 17NOV2014
APVD SUNY ZHAO 17NOV2014
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME CUSTOMER DRAWING
R/A PLUG WITH SINGAL GIDE
MULTI-BEAM HD

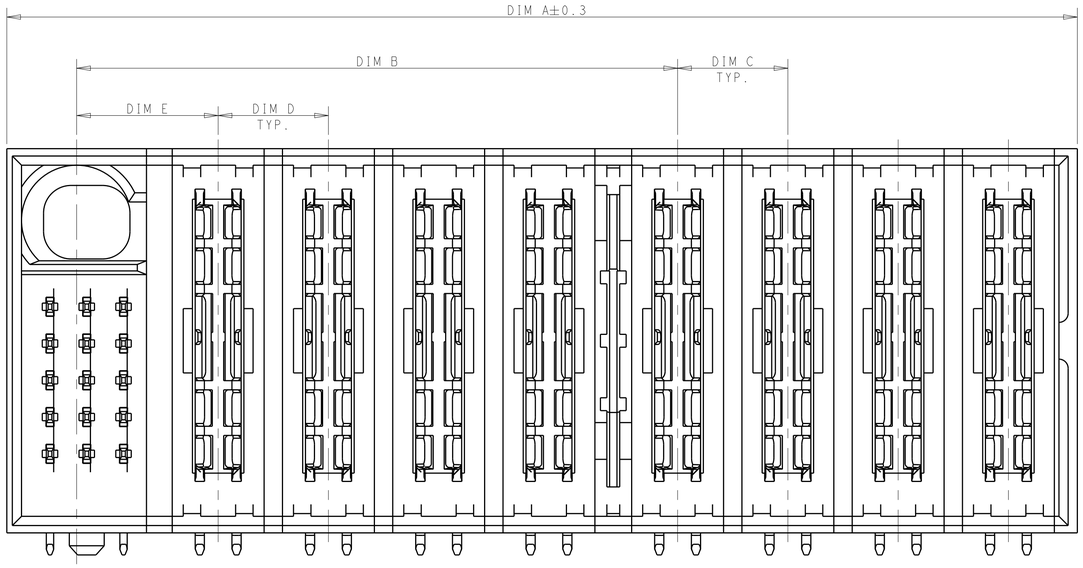
SIZE A1 | CAGE CODE - | DRAWING NO C-2204446 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 6:1 | SHEET 2 OF 5 | REV A1

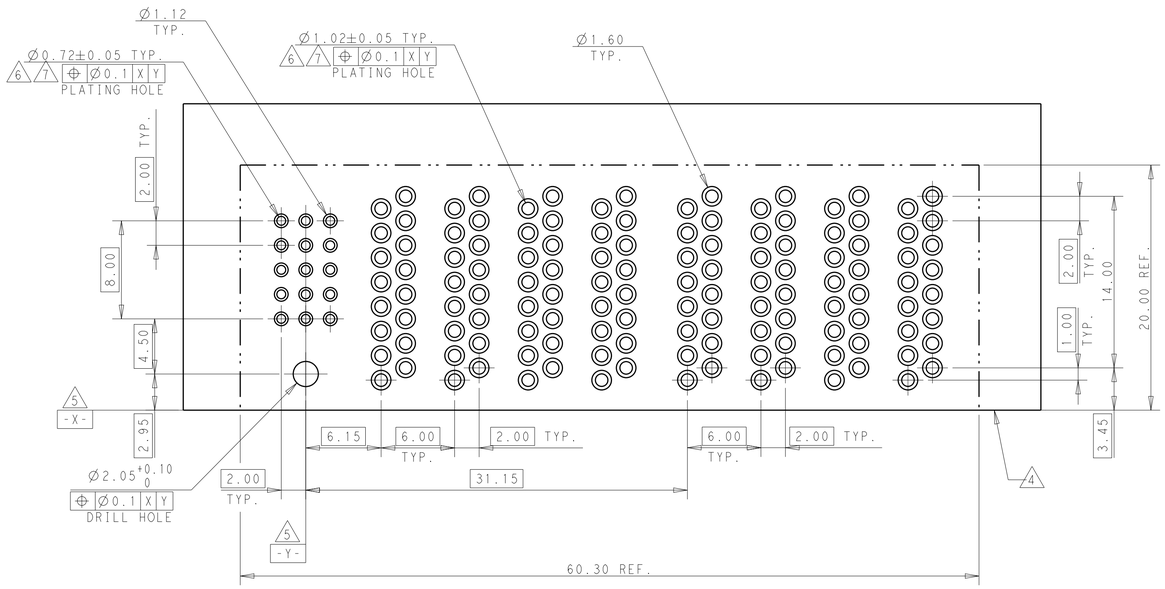
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REVISIONS

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




| PART NUMBER | ROWS | SIGNAL 1 | SIGNAL 2 | SIGNAL 3 | POWER P1 | POWER P2 | POWER P3 | POWER P4 | POWER P5 | POWER P6 | POWER P7 | POWER P8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2204446-2 | E | SHI | SHI | SHI | PH | PH | PH | PH | PH | PH | PH | PH |
| | D | SHI | SHI | SHI | | | | | | | | |
| | C | SHI | SHI | SHI | | | | | | | | |
| | B | SHI | SHI | SHI | | | | | | | | |
| | A | SHI | SHI | SHI | | | | | | | | |
| 15S+4VP+4VP | | | | | | | | | | | | |

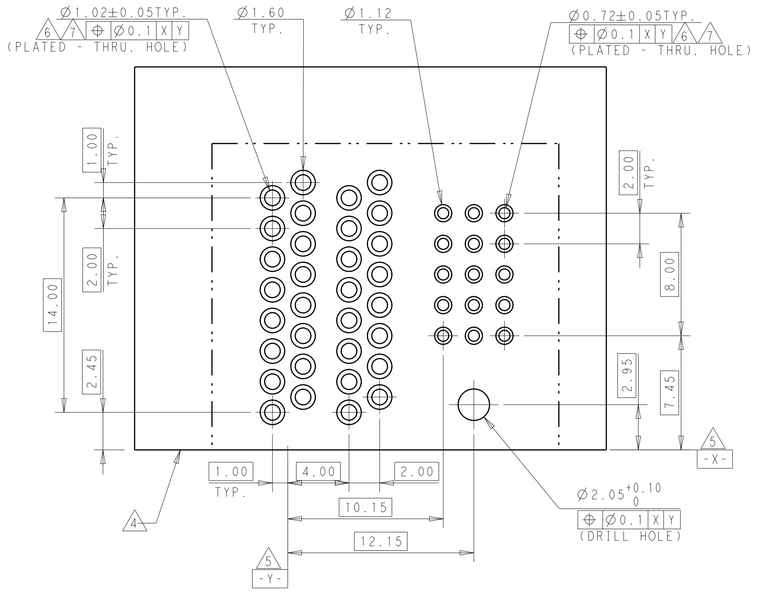



| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN THOMAS ZHAO 17NOV2014 | TE Connectivity |
| DIMENSIONS: mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.4 2 PLC ±0.25 3 PLC ±0.15 4 PLC ±0.0001 ANGLES ±- | CHK SUNY ZHAO 17NOV2014 | NAME CUSTOMER DRAWING R/A PLUG WITH SINGAL GIDE MULTI-BEAM HD |
| | | APVD SUNY ZHAO 17NOV2014 | PRODUCT SPEC - |
| | | | APPLICATION SPEC - |
| MATERIAL - - | FINISH - - | WEIGHT - | SIZE A1 · CAGE CODE - · DRAWING NO C-2204446 · RESTRICTED TO - |
| | | CUSTOMER DRAWING | SCALE 6:1 · SHEET 3 OF 5 · REV A1 |

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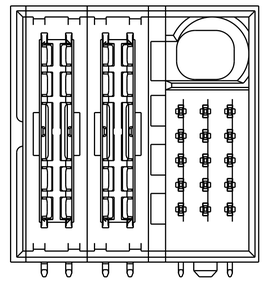
REVISIONS

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

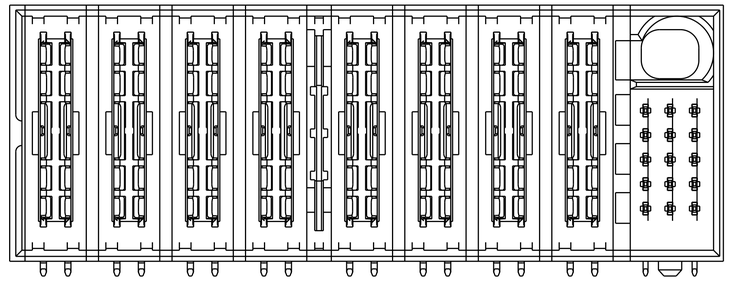



LAYOUT FOR P/N:2204446-3

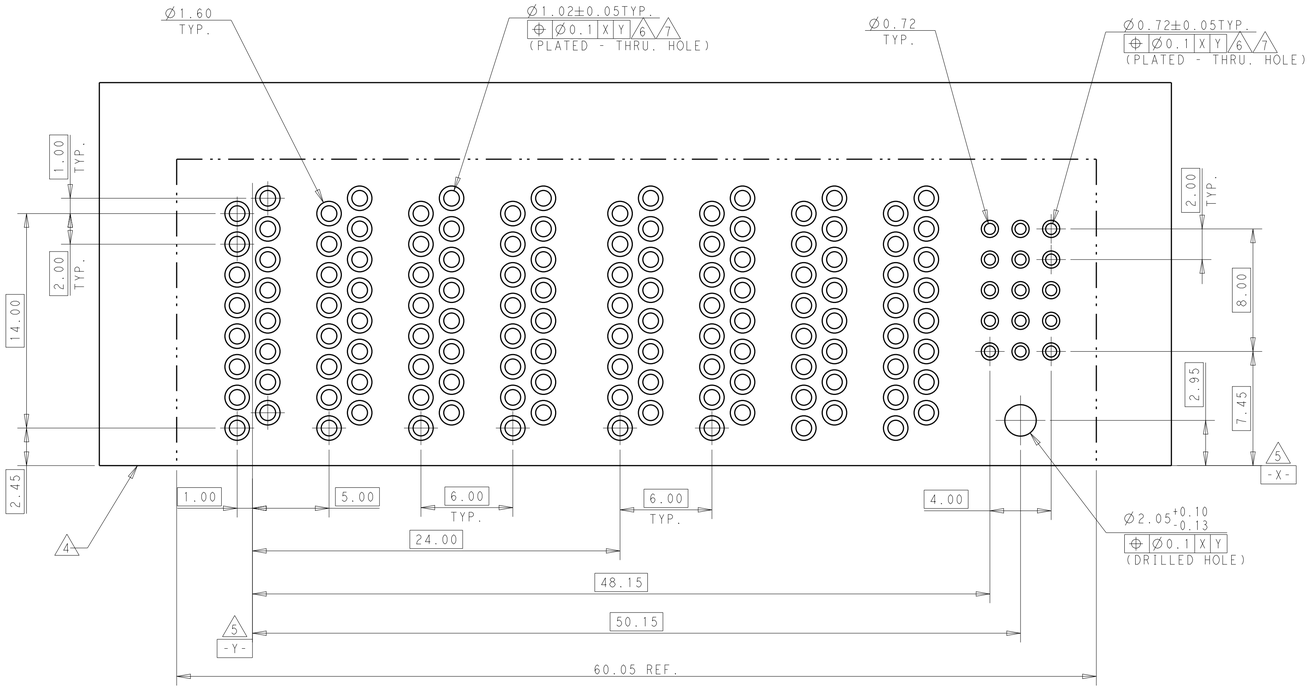
| PART NUMBER | POWER | | SIGNAL | | | ROWS |
|---|---|---|---|---|---|---|
| | P1 | P2 | 1 | 2 | 3 | |
| 2204446-3 | PH | PH | SHI | SHI | SHI | E |
| | | | SHI | SHI | SHI | D |
| | | | SHI | SHI | SHI | C |
| | | | SHI | SHI | SHI | B |
| | | | SHI | SHI | SHI | A |
| 2P+15S | | | | | | |



P/N:2204446-3



P/N:2204446-4




| PART NUMBER | POWER | | | | | | | | SIGNAL | | | ROWS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | 1 | 2 | 3 | |
| 2204446-4 | PH | PH | PH | PH | PH | PH | PH | PH | SHI | SHI | SHI | E |
| | | | | | | | | | SHI | SHI | SHI | D |
| | | | | | | | | | SHI | SHI | SHI | C |
| | | | | | | | | | SHI | SHI | SHI | B |
| | | | | | | | | | SHI | SHI | SHI | A |
| 4VP+4VP+15S | | | | | | | | | | | | |

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.4
2 PLC ±0.25
3 PLC ±0.15
4 PLC ±0.0001
ANGLES ±-

MATERIAL - -

FINISH - -

DWN THOMAS ZHAO 17NOV2014
CHK SUNY ZHAO 17NOV2014
APVD SUNY ZHAO 17NOV2014

PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME CUSTOMER DRAWING
R/A PLUG WITH SINGAL GIDE
MULTI-BEAM HD

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | - | C-2204446 | - |

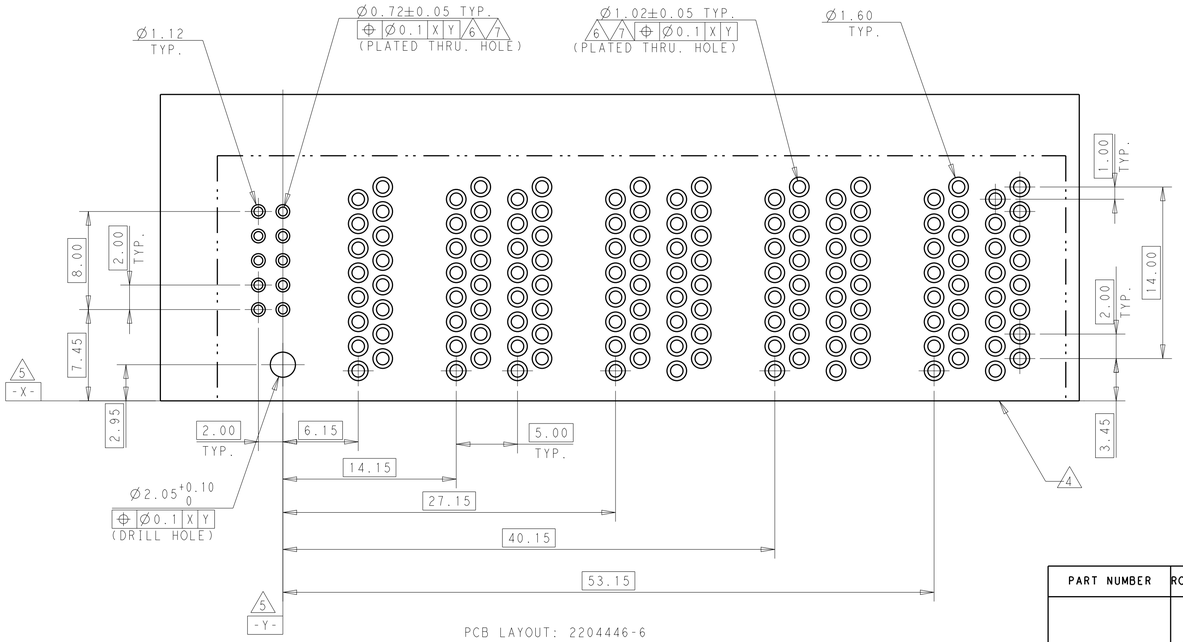
CUSTOMER DRAWING | SCALE 6:1 | SHEET 4 OF 5 | REV A1

4805 (3/13)

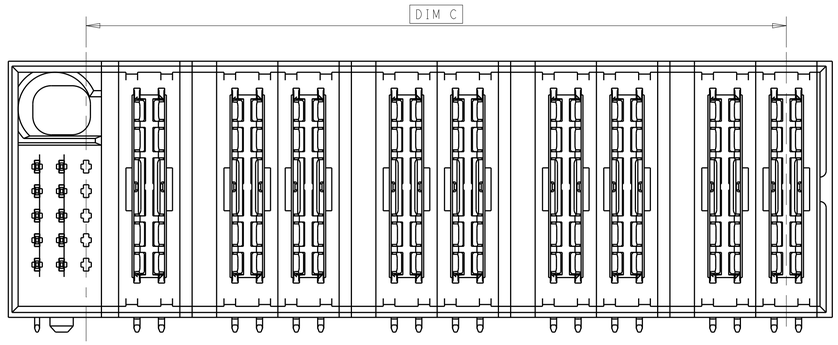
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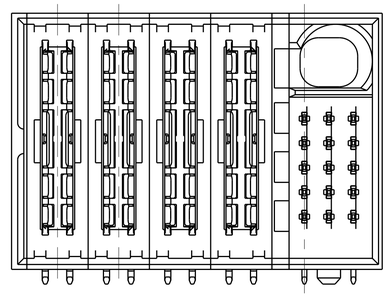
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |




PCB LAYOUT: 2204446-6



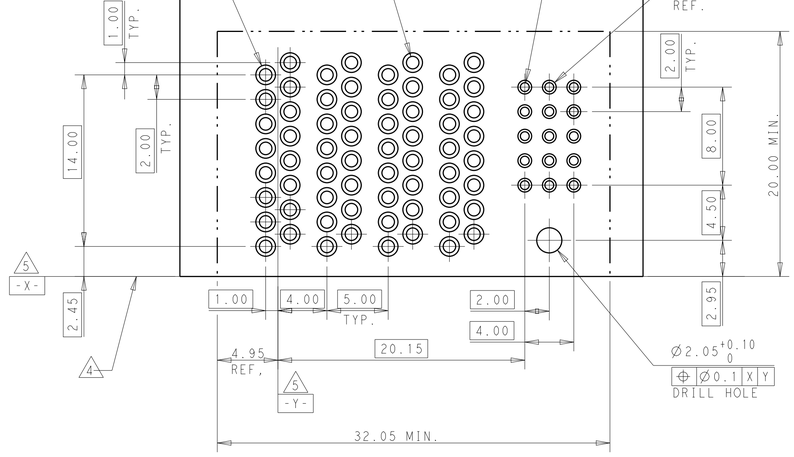

PART NUMBER: 2204446-6



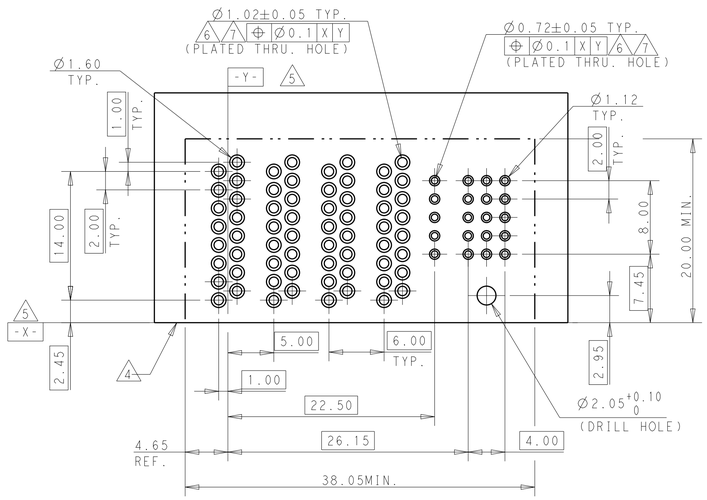
PART NUMBER: 2204446-7

| PART NUMBER | ROWS | SIGNAL 1 | SIGNAL 2 | POWER P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2204446-6 | E | SH | SH | PH | PH | PH | PH | PH | PH | PH | PH | PH |
| | D | SH | SH | | | | | | | | | |
| | C | SH | SH | | | | | | | | | |
| | B | SH | SH | | | | | | | | | |
| | A | SH | SH | | | | | | | | | |
| 10S+1P+2P+2P+2P+2P | | | | | | | | | | | | |

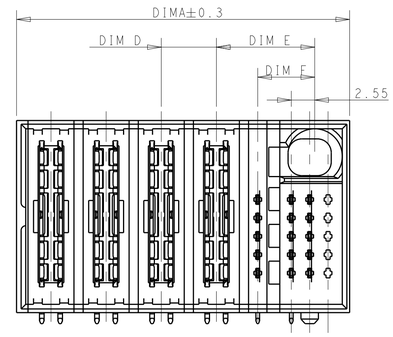
| PART NUMBER | POWER P1 | P2 | P3 | P4 | SIGNAL 1 | 2 | 3 | ROWS |
|---|---|---|---|---|---|---|---|---|
| 2204446-7 | PH | PH | PH | PH | SH | SH | SH | E |
| | | | | | SH | SH | SH | D |
| | | | | | SH | SH | SH | C |
| | | | | | SH | SH | SH | B |
| | | | | | SH | SH | SH | A |
| 4P+15S | | | | | | | | |




PCB LAYOUT: 2204446-7




PCB LAYOUT: 2204446-8




PART NUMBER: 2204446-8

| PART NUMBER | POWER P1 | P2 | P3 | P4 | SIGNAL 1 | 2 | 3 | 4 | ROWS |
|---|---|---|---|---|---|---|---|---|---|
| 2204446-8 | PH | PH | PH | PH | SH | SH | SH | SH | E |
| | | | | | SH | SH | SH | SH | D |
| | | | | | SH | SH | SH | SH | C |
| | | | | | SH | SH | SH | SH | B |
| | | | | | SH | SH | SH | SH | A |
| 4VP+20S | | | | | | | | | |

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.4
2 PLC ±0.25
3 PLC ±0.15
4 PLC ±0.0001
ANGLES ±-

MATERIAL -
FINISH -

DWN THOMAS ZHAO 17NOV2014
CHK SUNY ZHAO 17NOV2014
APVD SUNY ZHAO 17NOV2014
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME CUSTOMER DRAWING
R/A PLUG WITH SINGAL GIDE
MULTI-BEAM HD

SIZE A1 | CAGE CODE - | DRAWING NO C-2204446 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 6:1 | SHEET 5 OF 5 | REV A1