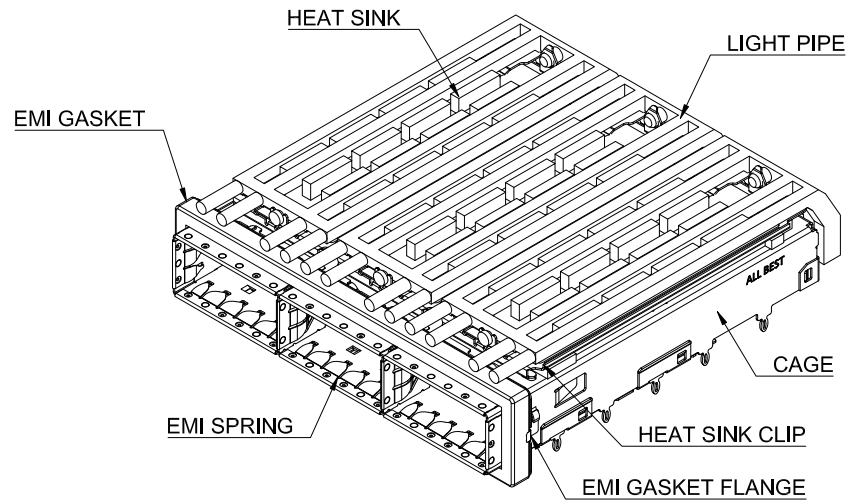
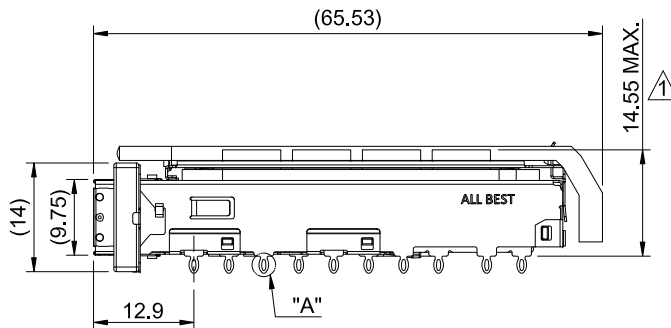


DETAIL A
SCALE 4:1



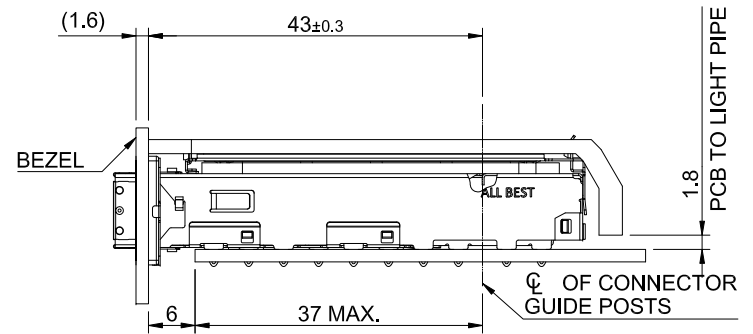
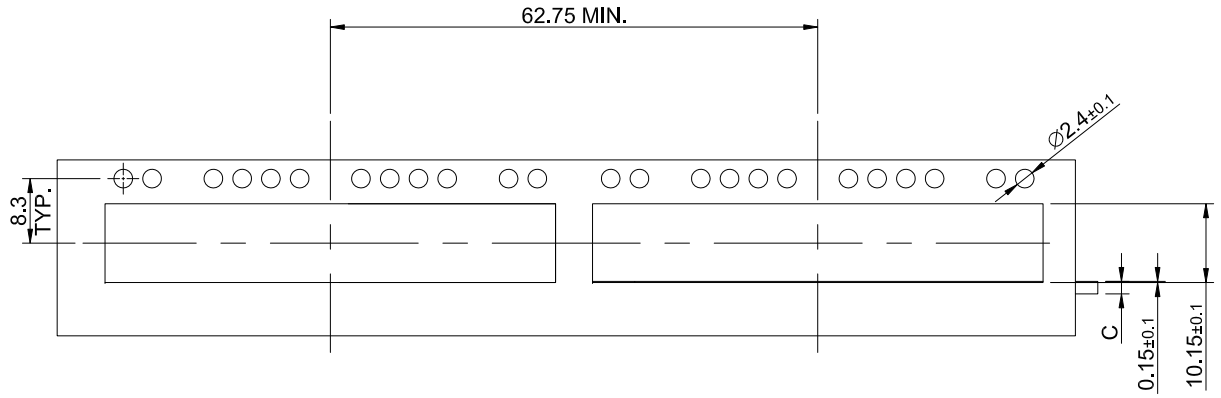
MATERIAL
 CAGE: NICKEL SILVER
 EMI SPRING: STAINLESS STEEL
 EMI GASKET FLANGE: STAINLESS STEEL
 EMI GASKET: CONDUCTIVE ELASTOMER
 HEAT SINK: ALUMINUM
 HEAT SINK CLIP: STAINLESS STEEL
 LIGHT PIPE: PC

FINISH
 HEAT SINK: ANODE PROCESS

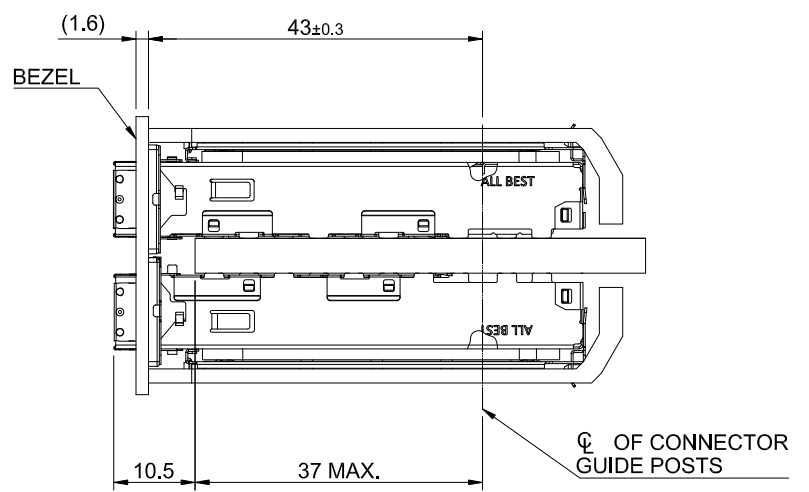
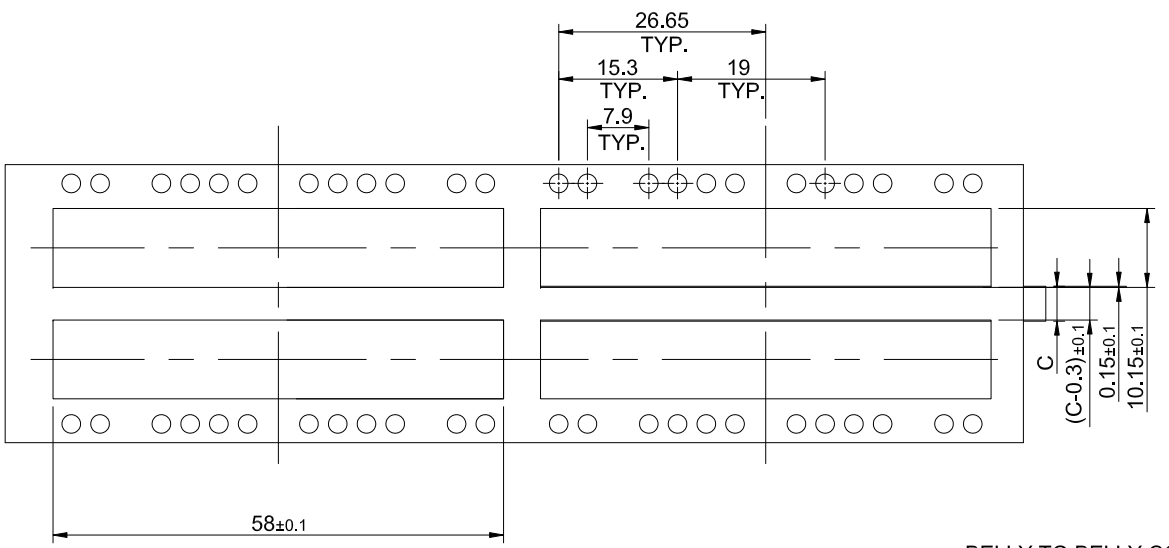
NOTE
 ▲ DIMENSION APPLIES WITH MODULE INSERTED IN CAGE



| | | | |
|---|---------------|--------------------------|-----------------------|
| TITLE: QSFP28 1X3 Cage Assembly w/ Light Pipe & Heat Sink (PCI) | | | |
| DWG#: R-OR-ZQ3-4CGEG-MK | | SHEET: 1/4 | REV. A |
| UNIT: mm | SCALE: A4 1:1 | CHECKED: Gary Kang | |
| TOLERANCE: X.± 0.25 .X± 0.20 .XX± 0.15 | | MATERIAL: RoHS Compliant | APPROVED: George Yang |
| THIRD ANGLE PROJECTION | | DRAWN: Kilin | DATE: 02/26/2019 |



SINGLE-SIDE CONFIGURATION

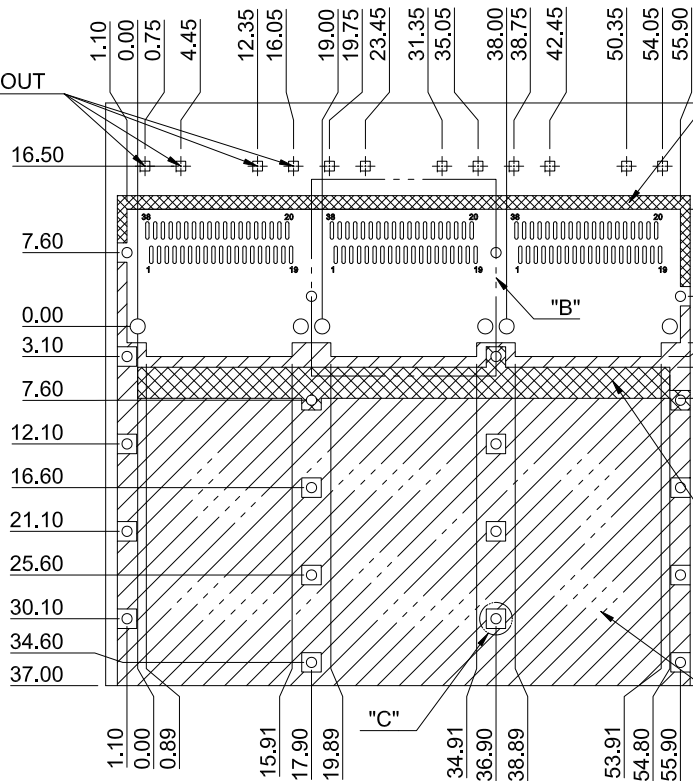


BELLY TO BELLY CONFIGURATION

C = THICKNESS OF PC BOARD
 SINGLE-SIDE = 1.6MM (MIN.)
 BELLY TO BELLY = 4.5MM (MIN.)

| | | | | |
|---|---|----------------|-------------|------|
| ALL BEST ALL BEST ELECTRONICS CO., LTD. | TITLE: QSFP28 1X3 Cage Assembly w/ Light Pipe & Heat Sink (PCI) | | SHEET: | REV. |
| | DWG#: R-OR-ZQ3-4CGEG-MK | | 2/4 | A |
| UNIT: | SCALE: | FINISH: | CHECKED: | |
| mm | A4 1:1 | | Gary Kang | |
| THIRD ANGLE PROJECTION | | MATERIAL: | APPROVED: | |
| TOLERANCE: Angle: ± 1° X ± 0.15 .X ± 0.10 .XX ± 0.05 | | RoHS Compliant | George Yang | |
| | | DRAWN: | DATE: | |
| | | Kilin | 02/26/2019 | |

QUAD LIGHT PIPE LED LAYOUT

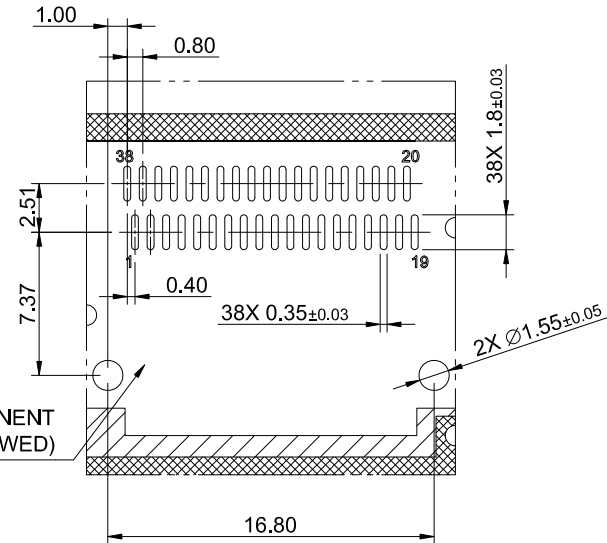


CROSS HATCHED AREA DENOTES WHERE SURFACE TRACES ARE PERMITTED

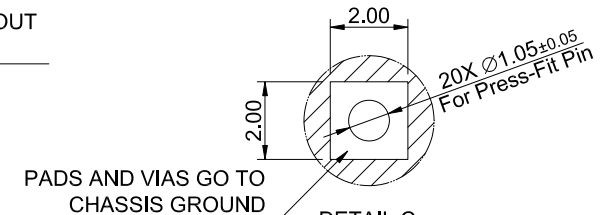
AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

CROSS HATCHED AREA DENOTES EMI GROUNDING PAD (MUST BE CONNECTED TO CHASSIS GROUND)

HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)



DETAIL B
SCALE 2:1



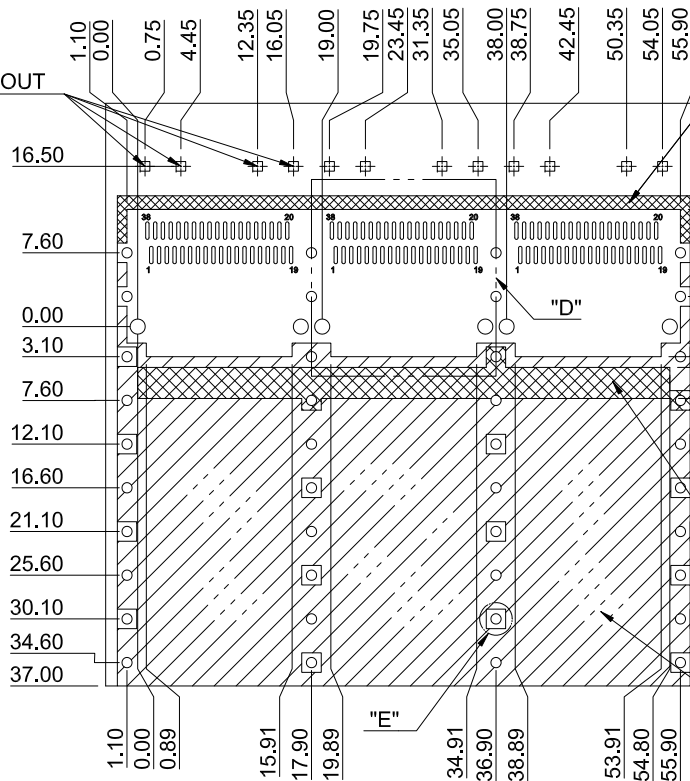
PADS AND VIAS GO TO CHASSIS GROUND

DETAIL C
SCALE 4:1

PCB LAYOUT FOR SINGLE-SIDE CONFIGURATION
TOLERANCE: ± 0.05
MINIMUM PCB THICKNESS OF 1.6 MM

| | | | | |
|---|---|------------------|--------------------------|-----------------------|
| ALL BEST ALL BEST ELECTRONICS CO., LTD. | TITLE: QSFP28 1X3 Cage Assembly w/ Light Pipe & Heat Sink (PCI) | | SHEET: 3/4 | REV. A |
| | DWG#: R-OR-ZQ3-4CMGEG-MK | | CHECKED: Gary Kang | |
| | UNIT: mm | SCALE: A4 5:4 | MATERIAL: RoHS Compliant | |
| | THIRD ANGLE PROJECTION | | DRAWN: Kilin | APPROVED: George Yang |
| TOLERANCE: Angle: $\pm 1^\circ$ X: ± 0.15 , .X: ± 0.10 , .XX: ± 0.05 | | DATE: 02/26/2019 | | |

QUAD LIGHT PIPE LED LAYOUT

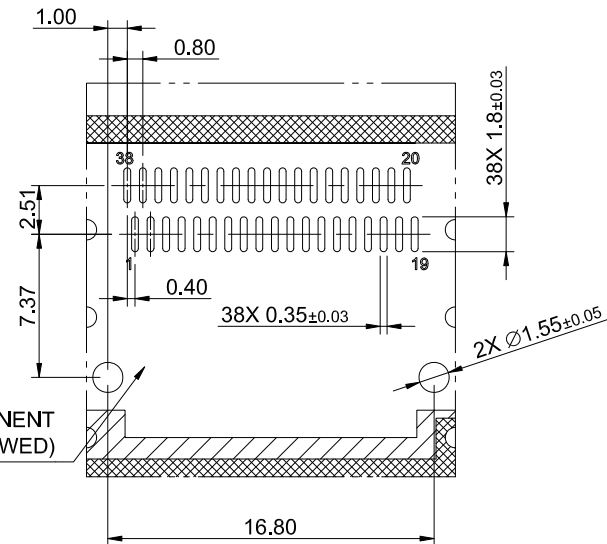


CROSS HATCHED AREA DENOTES WHERE SURFACE TRACES ARE PERMITTED

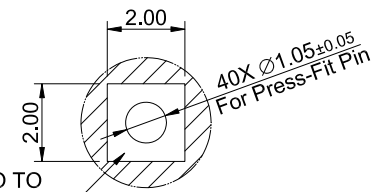
AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

CROSS HATCHED AREA DENOTES EMI GROUNDING PAD (MUST BE CONNECTED TO CHASSIS GROUND)

HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)



DETAIL D
SCALE 2:1



DETAIL E
SCALE 4:1

PCB LAYOUT FOR BELLY TO BELLY CONFIGURATION
TOLERANCE: ±0.05
MINIMUM PCB THICKNESS OF 4.5 MM



| | | | |
|---|---------------|-----------------------|--------|
| TITLE: QSFP28 1X3 Cage Assembly w/ Light Pipe & Heat Sink (PCI) | | SHEET: 4/4 | REV. A |
| DWG#: R-OR-ZQ3-4CGEG-MK | | CHECKED: Gary Kang | |
| UNIT: mm | SCALE: A4 5:4 | APPROVED: George Yang | |
| THIRD ANGLE PROJECTION | | DATE: 02/26/2019 | |
| TOLERANCE: Angle: ± 1° X: ± 0.15 .X ± 0.10 .XX ± 0.05 | | DRAWN: Kilin | |