

CUSTOMER DRAWING

NOTE:
MATERIAL:

1. CONTACT: PHOSPHOR BRONZE.
2. CONNECTOR HOUSING: LCP UL 94V-0. COLOR: BLACK.
3. MOULDED INSERT: HIGH TEMPERATURE PLASTIC UL 94V-0. COLOR:BLACK.
4. CAGE: COPPER ALLOY.
5. LIGHT PIPES: POLYCARBONATE. UL 94V-0. COLOR:CLEAR
6. LIGHT PIPE HOUSING: PBT UL 94V-0 COLOR:BLACK.

PLATED:

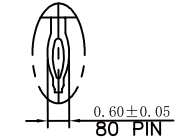
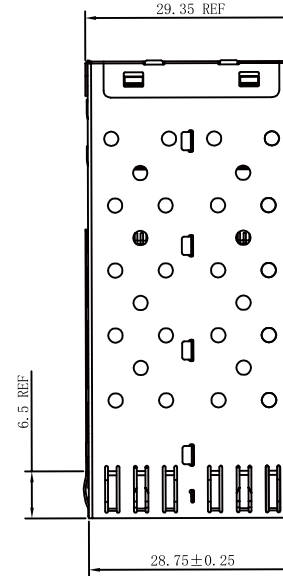
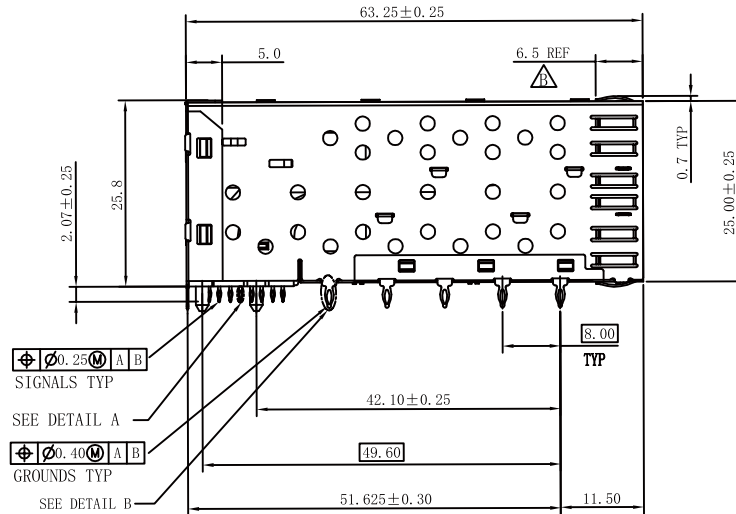
1. CONTACT MATING AREA : PLATING GOLD OVER 1.27 MICROMETERS MINIMUM NICKEL.
2. CONTACT NEEDLE EYE: 1.27 MICROMETERS MINIMUM MATTE TIN OVER 1.27 MICROMETERS MINIMUM NICKEL.

MECHANICAL REQUIREMENT:

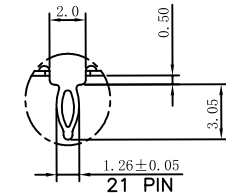
1. DURABILITY: 100 CYCLES MIN.
2. INSERTION AND EXTRACTION FORCE: 40N MAX & 11.5N MAX

ENVIRONMENTAL:

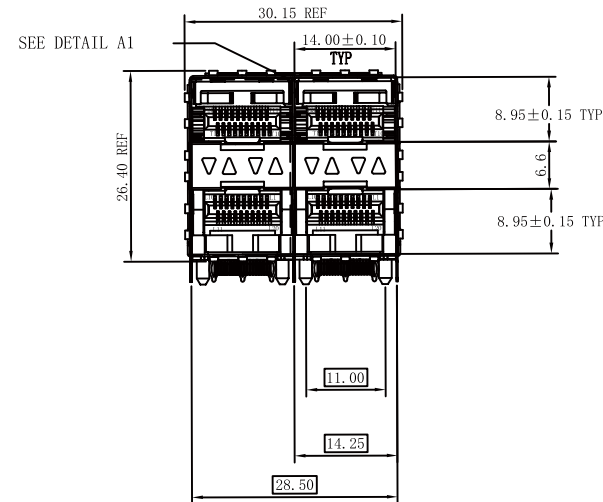
1. LOW LEVEL CONTACT RESISTANCE(LLCR):
 ΔR 20 MILLIOHMS MAXIMUM FOR SHIELD AND SIGNAL CONTACTS.
2. DIELECTRIC WITHSTANDING VOLTAGE: 300V AC/MAX.
3. INSULATION RESISTANCE: 1×10^9 OHMS MINIMUM.
4. RATINGS CURRENT: 0.5 AMPS MAX.
5. RATINGS VOLTAGE: 30 VOLTS DC/AC(RMS) MAX.
6. OPERATION: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$.
7. STORAGE: $-55^{\circ}\text{C} \sim +105^{\circ}\text{C}$.
8. ROHS COMPLIANT



DETAIL A
SCALE 10:1



DETAIL B
SCALE 5:1



RoHS Compliant

TITLE:

SFP 2X2 CONNECTOR

SIZE
A4

UNITS
MM[INCH]

GENERAL TOLERANCES
UNLESS SPECIFIED

APPROVED BY:
Geoffrey.Song

PART NO.:

WHSFP05422D018

SACLE
1:1

REV
A0

$x \pm 0.35$
 $x \pm 0.30$

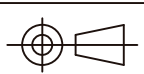
$x^{\circ} \pm 3.0^{\circ}$
 $x^{\circ} \pm 2.0^{\circ}$

CHECKED BY:
Elvis.Song

REMARK:

gold plated 15u"

SHEET
1/4



$.xx \pm 0.25$
 $.xxx \pm 0.10$

$.xx^{\circ} \pm 1.5^{\circ}$
 $.xxx^{\circ} \pm 1.0^{\circ}$

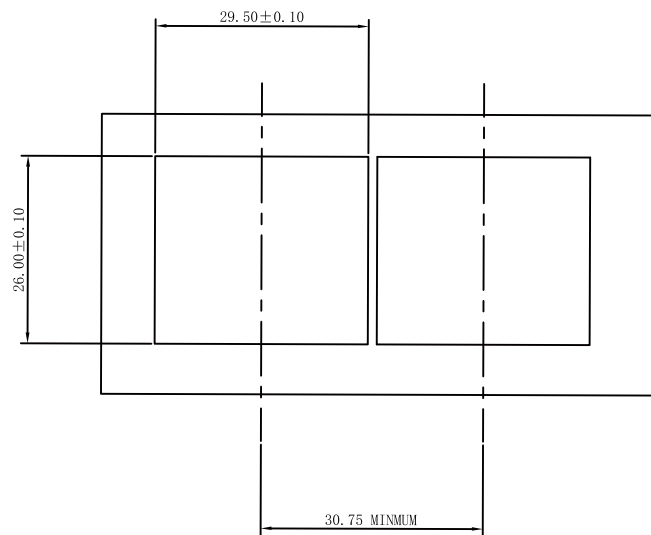
DESIGND BY:
Sunny.Xu

VOOHU 苏州沃虎电子科技有限公司
Su Zhou Voohu Electronic Tech.Co.Ltd

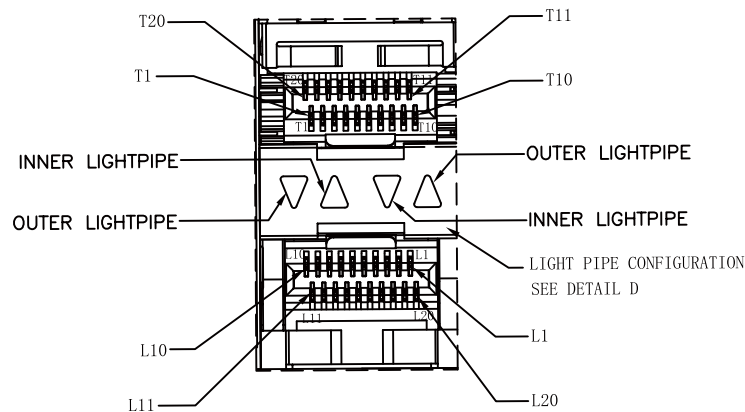
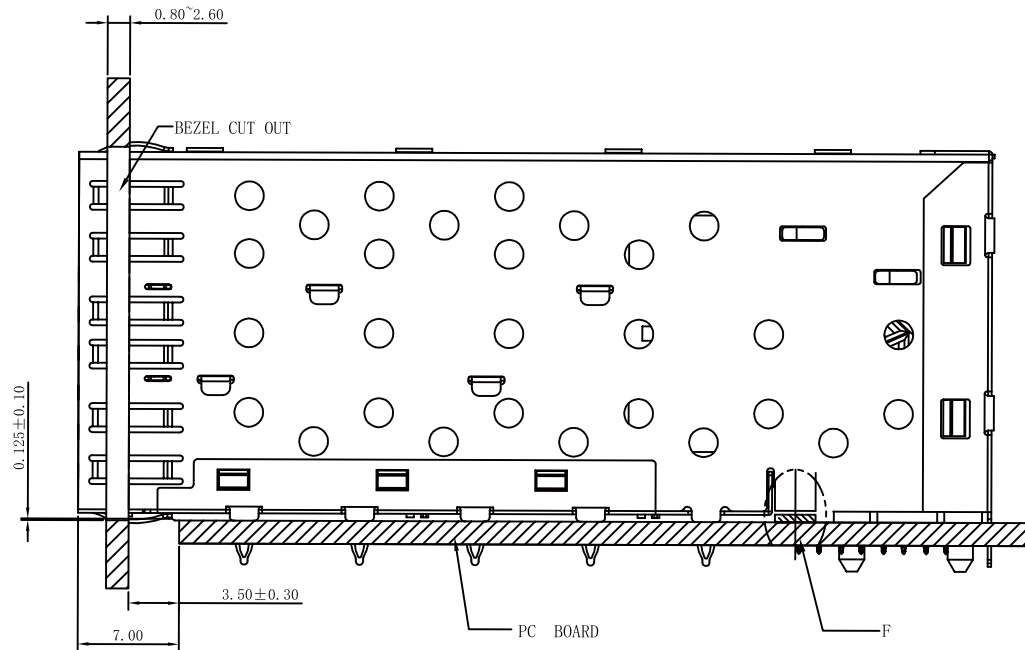
TEL: +86 400 1048 018

WEB: WWW.VOOHU.CN

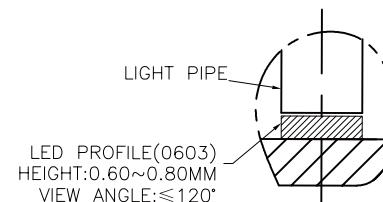
CUSTOMER DRAWING



BEZEL CUT-OUT CENTER SPACING DETAIL
BEZEL THICKNESS: 0.8-2.6



DETAIL A1
SCALE 4:1



DETAIL F
SCALE 4:1

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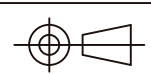
SIZE
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SACLE
1:1

SHEET
2/4

UNITS
MM[INCH]

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GENERAL TOLERANCES
UNLESS SPECIFIED

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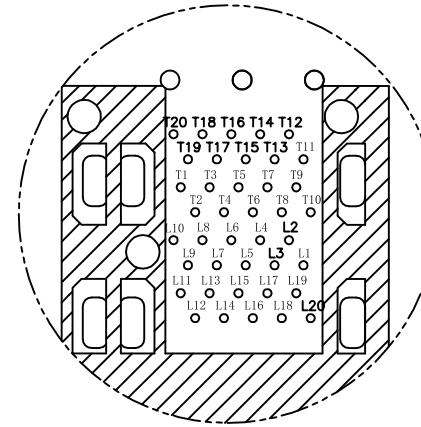
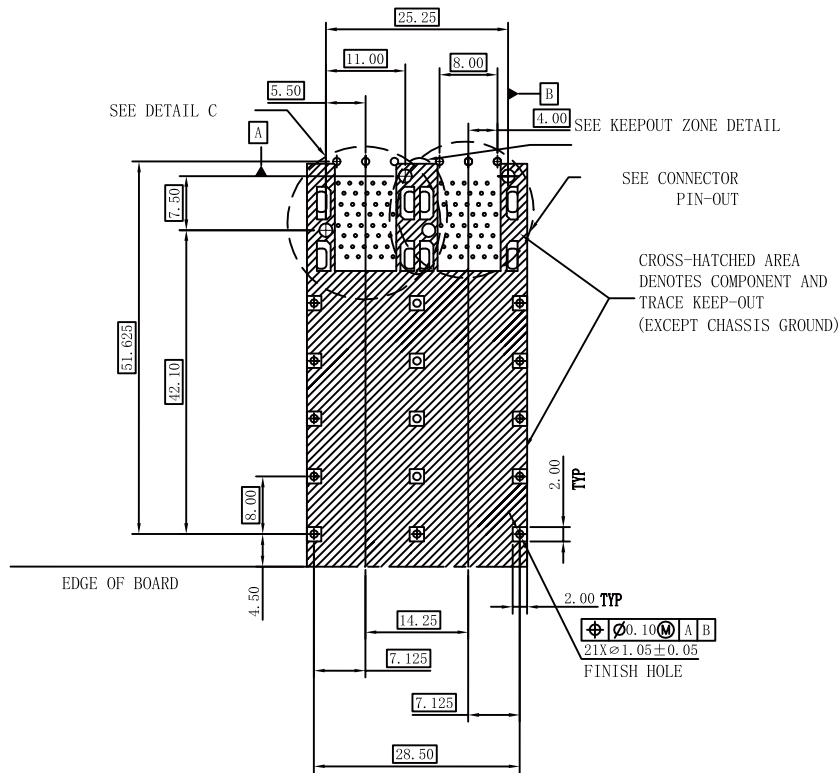
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CUSTOMER DRAWING



CONNECTOR PIN-OUT
COMPONENT SIDE OF BOARD

RECOMMENDED PCB LAYOUT-COMPONENT SIDE
RECOMMENDED PCB THICKNESS-2.63MM

THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS
(OTHER THAN LIGHT PIPE LED'S)
THIS AREA IS INDICATED BY THE DASHED LINE

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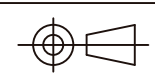
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SACLE
1:1

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3/4

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MM[INCH]

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UNLESS SPECIFIED

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$.xxx \pm 0.10$	$.xxx^\circ \pm 1.0^\circ$

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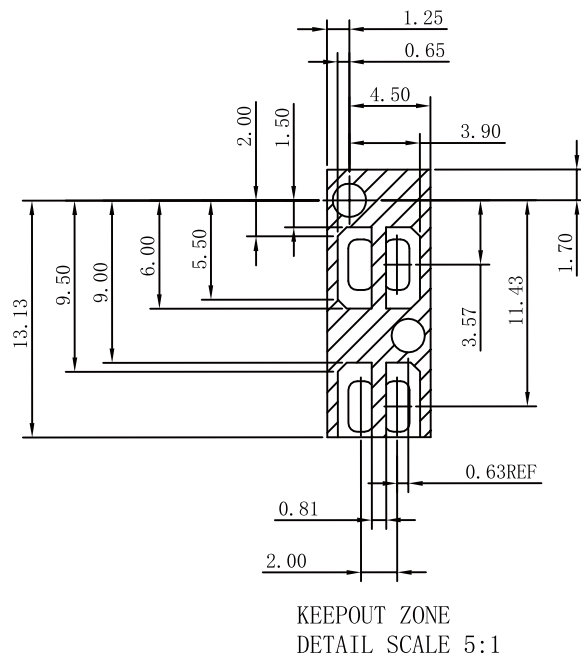
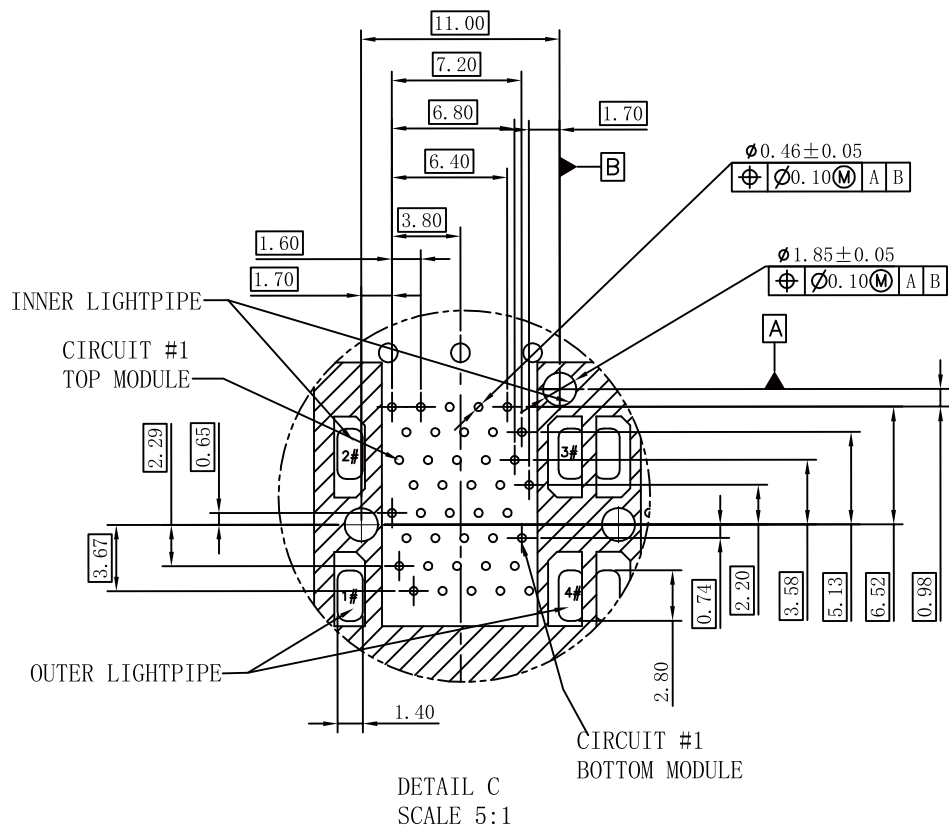
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