

REACH & RoHS
COMPLIANT

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.

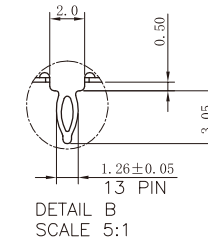
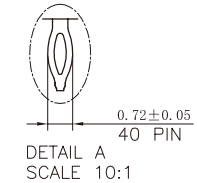
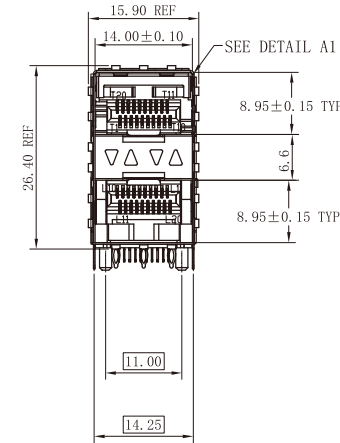
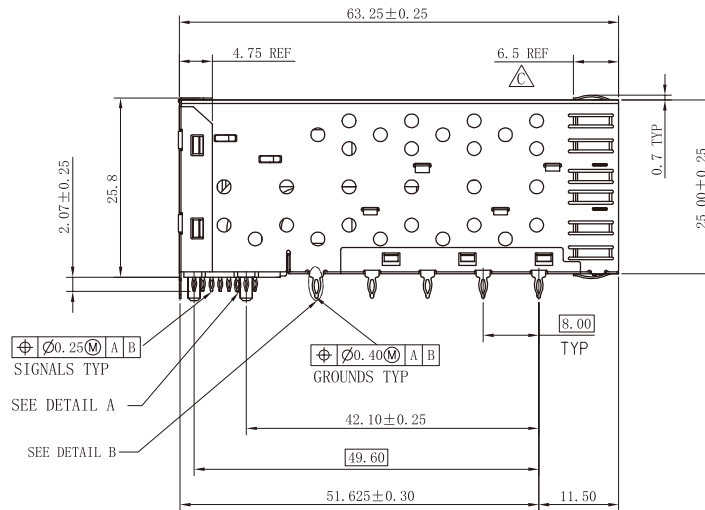
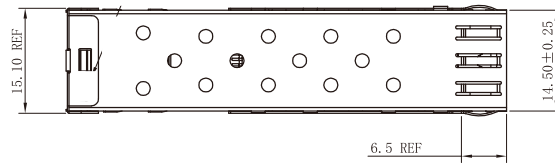
2. CONTACT NEEDLE EYE: 2.54 MICROMETERS MINIMUM MATTE TIN OVER 1.27 MICROMETERS MINIMUM NICKEL.

MECHANICAL REQUIREMENT:

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

ENVIRONMENTAL:

1. LOW LEVEL CONTACT RESITANCE(LLCR):
 ΔR 10 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



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

TITLE:
SFP 2X1 PRESS FIT CONNECTOR

PART NO.:
WHSFP05221D021

REMARK:
CONTACT PLATING GOLD 15u"

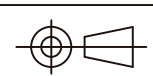
SIZE
A4

SCALE
1:1

SHEET
1/3

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

$x \pm 0.35$	$x^{\circ} \pm 3.0^{\circ}$
$.x \pm 0.30$	$.x^{\circ} \pm 2.0^{\circ}$
$.xx \pm 0.25$	$.xx^{\circ} \pm 1.5^{\circ}$
$.xxx \pm 0.10$	$.xxx^{\circ} \pm 1.0^{\circ}$

APPROVED BY:
Geoffrey.Song

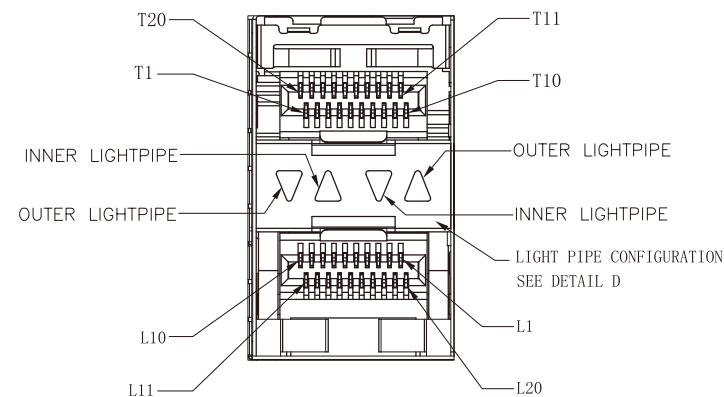
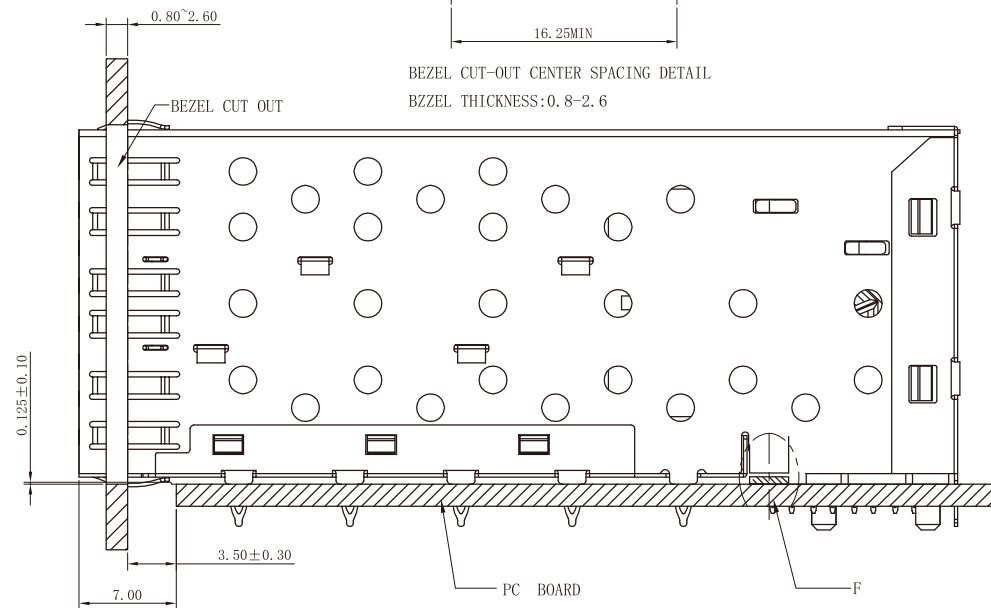
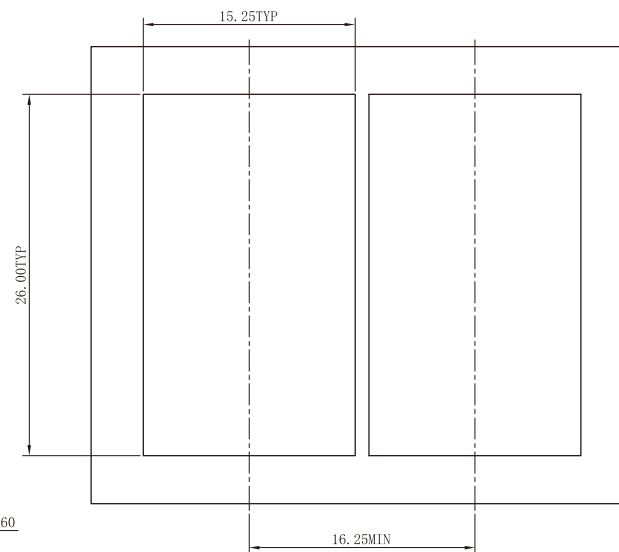
CHECKED BY:
Elvis.Song

DESIGNED BY:
Sunny.Xu

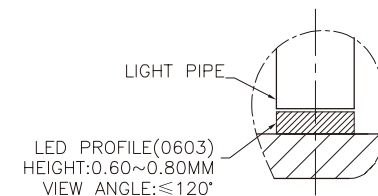
TEL: +86 400 1048 018

WEB: WWW.VOOHU.CN

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COMPLIANT



DETAIL A1
SCALE 4:1



DETAIL F
SCALE 4:1

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TITLE:
SFP 2X1 PRESS FIT CONNECTOR

SIZE
A4

UNITS
MM[INCH]

GENERAL TOLERANCES
UNLESS SPECIFIED

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PART NO.:
WHSFP05221D021

SCALE
1:1

REV
A0

$x \pm 0.35$
 $.x \pm 0.30$
 $.xx \pm 0.25$
 $.xxx \pm 0.10$

$x^\circ \pm 3.0^\circ$
 $.x^\circ \pm 2.0^\circ$
 $.xx^\circ \pm 1.5^\circ$
 $.xxx^\circ \pm 1.0^\circ$

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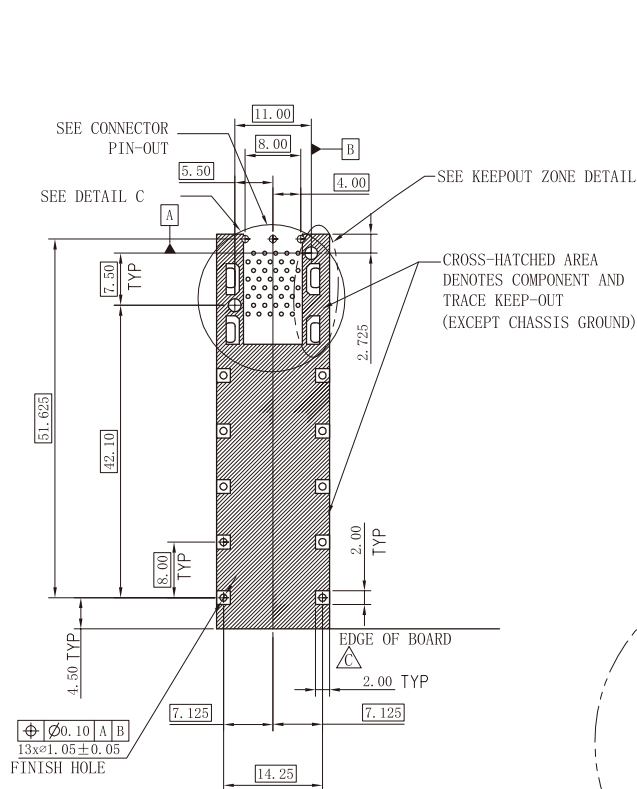
WEB: WWW.VOOHU.CN

REMARK:
CONTACT PLATING GOLD 15u"

SHEET
2/3

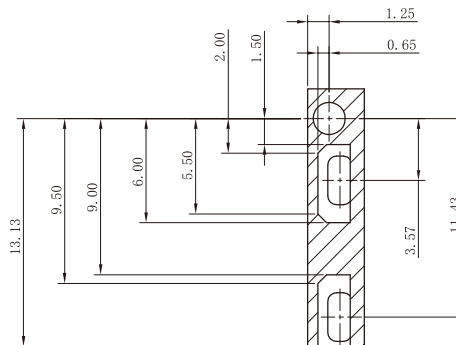


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COMPLIANT

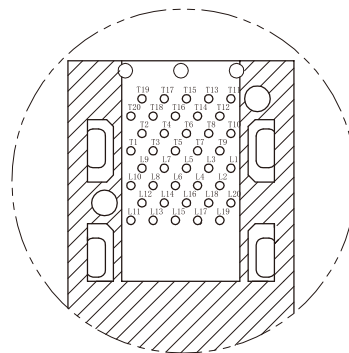


RECOMMENDED PCB LAYOUT-COMPONENT SIDE
RECOMMENDED PCB THICKNESS-2.63MM

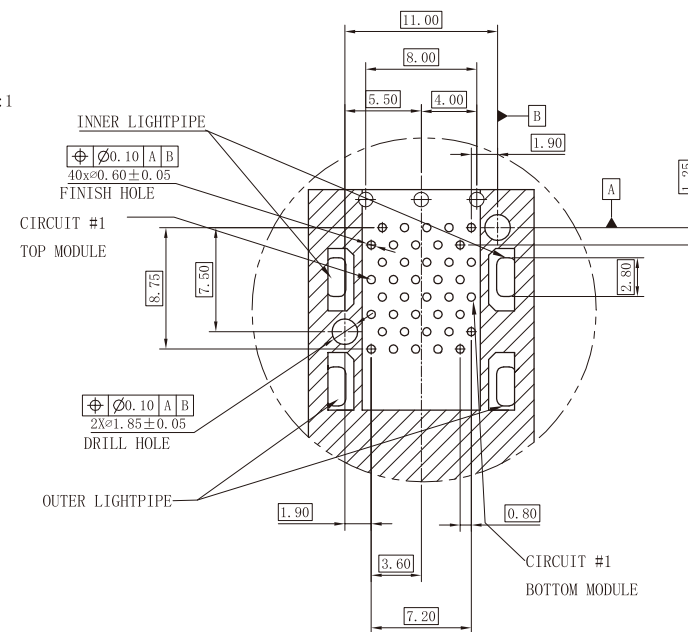
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS
(OTHER THAN LIGHT PIPE LED'S)
THIS AREA IS INDICATED BY THE DASHED LINE



KEEPOUT ZONE
DETAIL SCALE 5:1



CONNECTOR PIN-OUT
COMPONENT SIDE OF BOARD



DETAIL C
SCALE 5:1

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SFP 2X1 PRESS FIT CONNECTOR

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REMARK:
CONTACT PLATING GOLD 15u"

SIZE
A4

SCALE
1:1

SHEET
3/3

UNITS
MM[INCH]

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A0

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UNLESS SPECIFIED

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