

SC02

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:

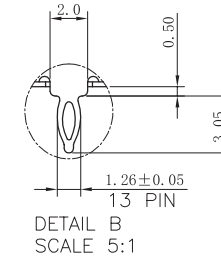
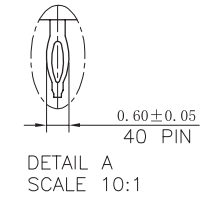
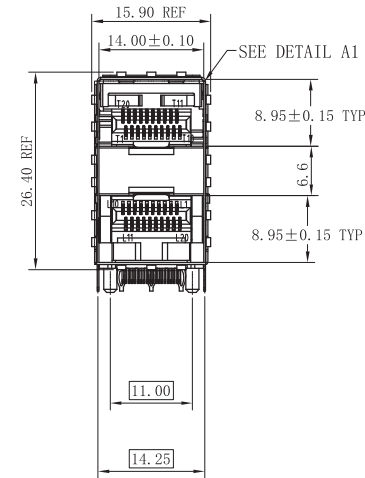
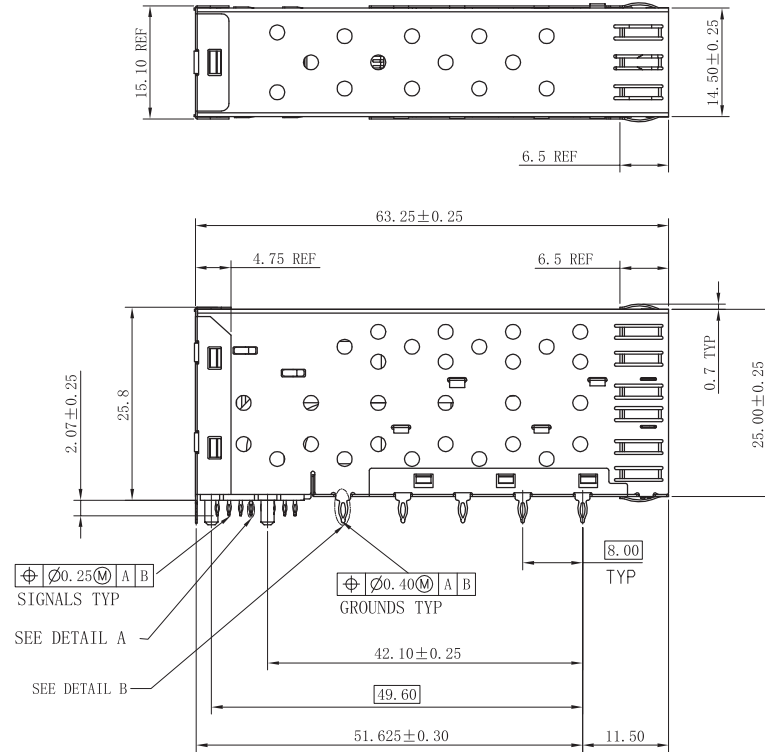
1. CONTACT MATING AREA : PLATING GOLD OVER 1.27 MICROMETERS MINIMUM NICKEL.
2. CONTACT NEEDLE EYE: 2.54 MICROMETERS MINIMUM MATTE TIN OVER 1.27 MICROMETERS MINIMUM NICKEL.

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



RoHS Compliant

TITLE:

SFP 2X1 CONNECTOR

SIZE
A4

UNITS
MM[INCH]

GENERAL TOLERANCES
UNLESS SPECIFIED

APPROVED BY:

Geoffrey.Song

PART NO.:

WHSFP05121D021

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
1/3



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

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

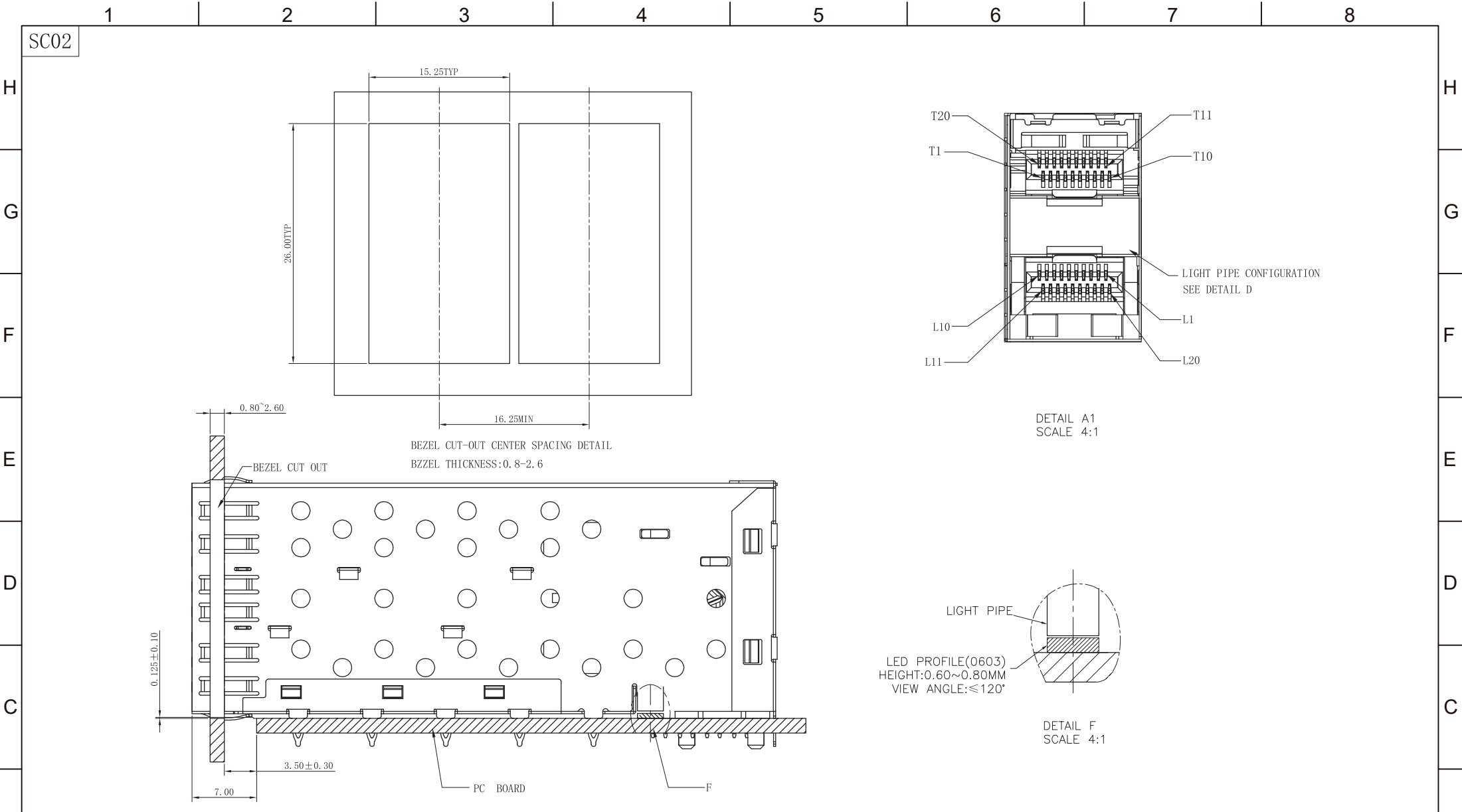
DESIGND BY:

Sunny.Xu

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RoHS Compliant

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|-----------------------------|--------------|---|--|------------|-------------------------------|
| TITLE: SFP 2X1 CONNECTOR | SIZE A4 | UNITS MM[INCH] | GENERAL TOLERANCES UNLESS SPECIFIED | | APPROVED BY: Geoffrey.Song |
| PART NO.: WHSFP05121D021 | SACLE 1:1 | REV A0 | x±0.35 | x°±3.0° | CHECKED BY: |
| | | | .x±0.30 | .x°±2.0° | Elvis.Song |
| REMARK: gold plated 15u" | SHEET 2/3 |  | .xx±0.25 | .xx°±1.5° | DESIGND BY: |
| | | | .xxx±0.10 | .xxx°±1.0° | Sunny.Xu |

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H

G

F

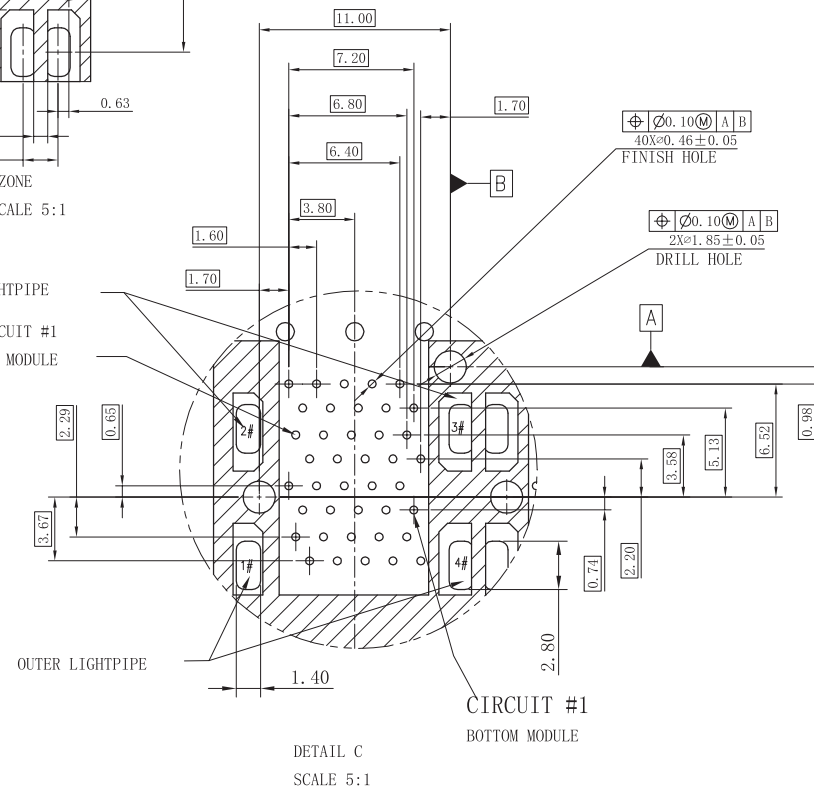
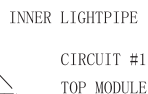
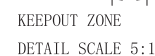
E

D

C

B

B



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

CONNECTOR PIN-OUT
COMPONENT SIDE OF BOARD

DETAIL C
SCALE 5:1

B

APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

| | |
|-------------|----------|
| DESIGND BY: | Sunny.Xu |
|-------------|----------|

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