APPROVAL SHEET

To：

Customer P/N：

UDE P/N： SSG0-ZZ-0005

Description： SFP+ 2X6 Ass'y
Press-Fit
With Inner Lightpipe
Contact Area : 15μ" min. Gold
Packing With Tray

RoHS

Spec No.	Update Date	Revision
SSG021007-00	2021/6/8	A

Approved	Checked	Prepared

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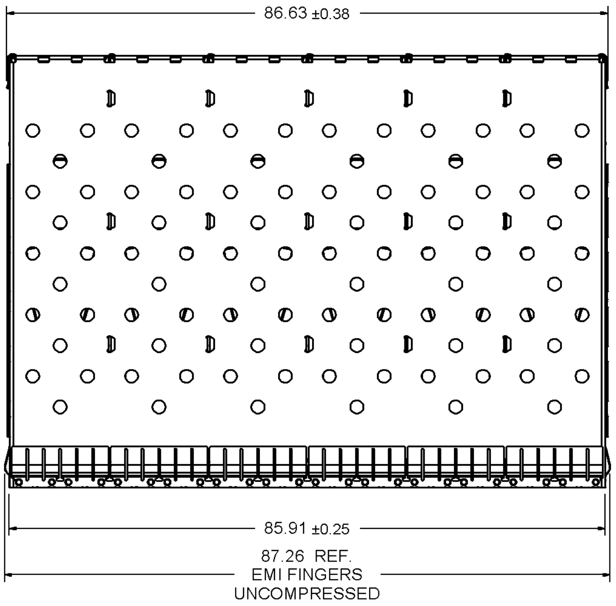
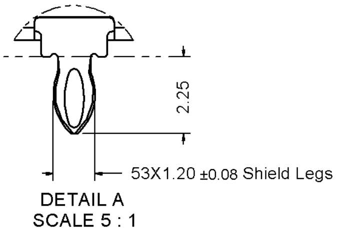
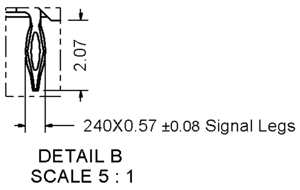
1. MECHANICAL DIMENSION

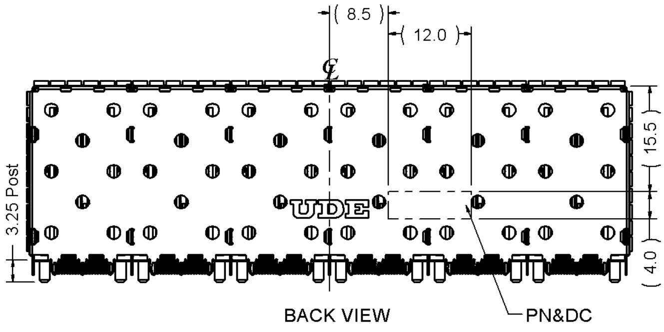
1.1 Product Dimension

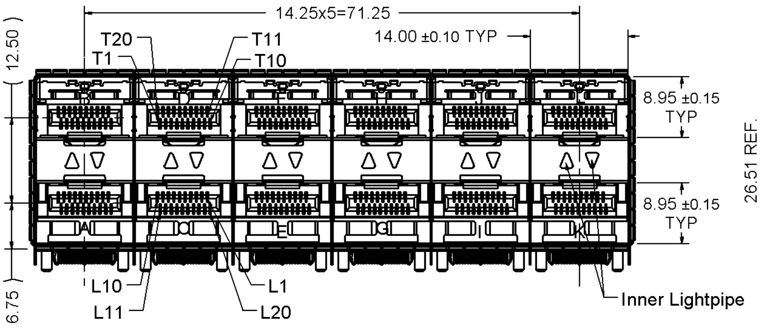
Unit : mm	General Tolerance :	X.X : ± 0.38 X.XX : ± 0.20

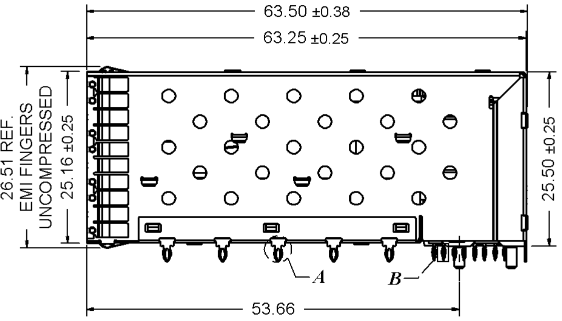


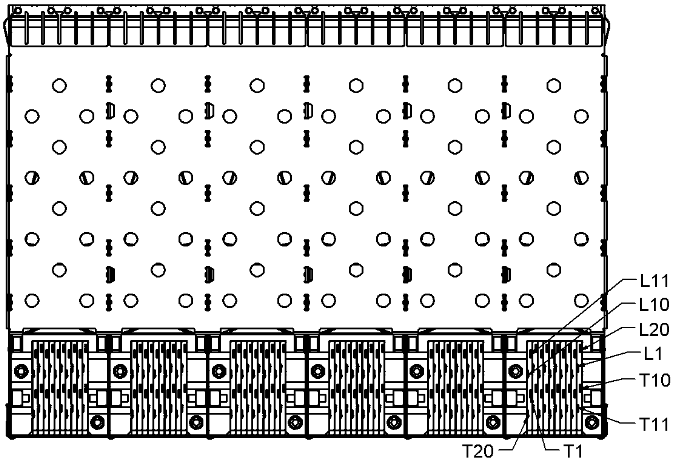


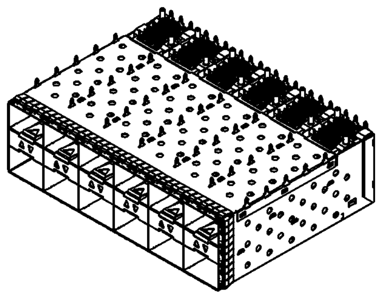








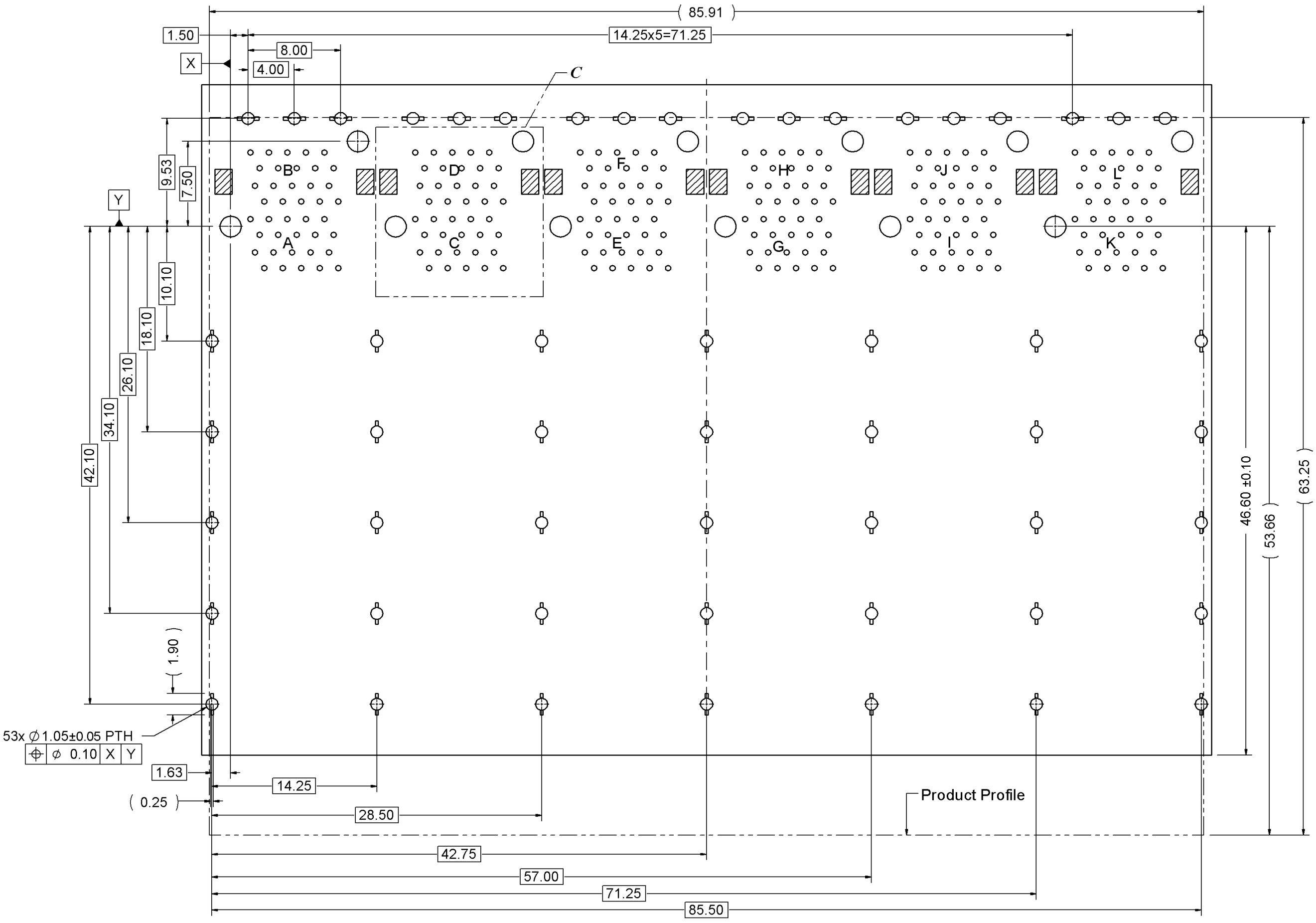


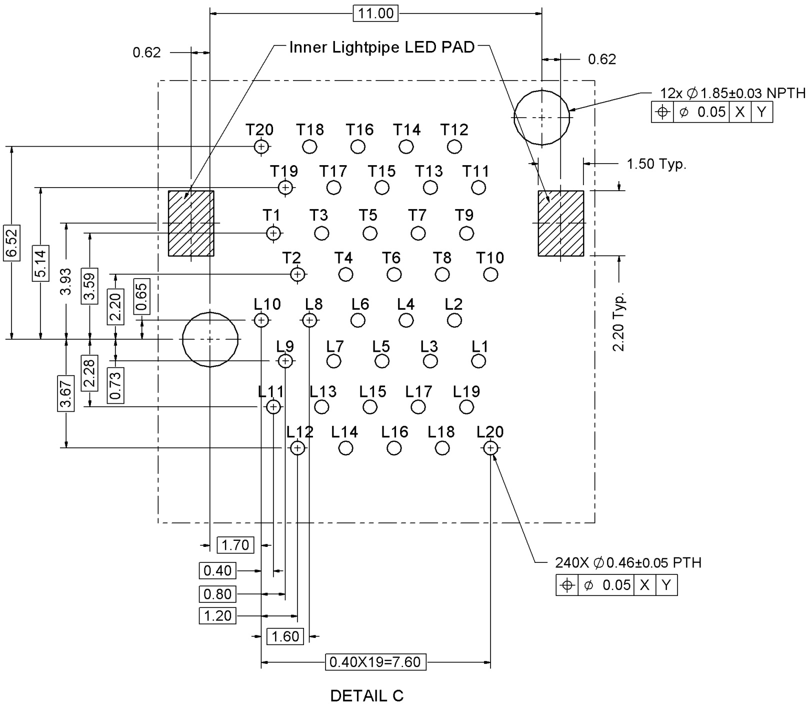


1.2 Recommened PCB Layout

Component Side of Board

All dimension tolerance are ±0.05mm unless otherwise specified





DETAIL C
SCALE 5 : 1

NOTES:

1.RECOMMENDED THRU HOLE PLATING INCLUDES

HASL,OSP,OR IMMERSION(GOLD,SILVER,OR TIN)

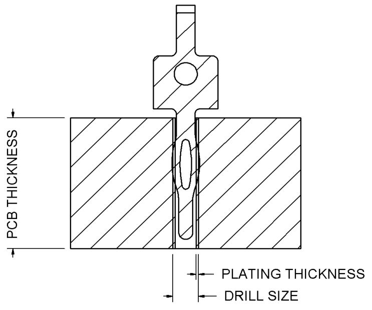
2.1.57mm MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.

3.HATCHED AREA IS PLACEMENT ZONE FOR LED,LED SHOULD BE

CENTERED WITHIN ZONE,RECOMMEND 0805 PACKAGE

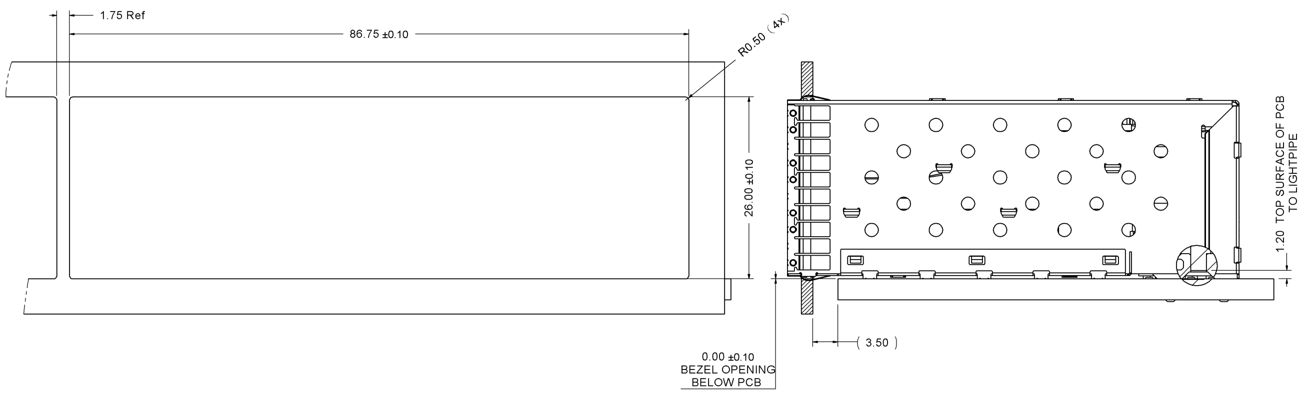
RECOMMENDED MOTHER BOARD THROUGH HOLE DIMENSION

PLATED THROUGH HOLE	1.05 SHIELD PINS	0.46 SIGNAL PINS
FINISHED HOLE DIAMETER	1.05±0.05	0.46±0.05
DRILLED HOLE DIAMETER	1.15	0.56
COPPER PLATING	0.025 min.	0.025 min.



RECOMMENDED MOTHER BOARD
THROUGH HOLE DIMENSION

1.3 Recommended Panel Cutout



PRESS-FIT ASSEMBLIES
HAND PLACE USING PROPER SEATING FORCE TO ENGAGE ALL LEG TAILS INTO PLATED THRU-HOLES

ASSEMBLIES ARE TO BE SEATED PER THE INSTRUCTIONS ASSOCIATED WITH THE APPROPRIATE INSERTION TOOL
NOTE:UDE RECOMMENDS ONLY ONE CONNECTOR ASSEMBLY BE INSTALLED AT A TIME

ASSEMBLE INSERTION FORCE		
PORT SIZE	PCB FINISH	FORCE
2X6	Copper w/OSP	2100±210N

1.4 Packing Information

6 pcs finished goods per tray

5 trays(30pcs finished goods) per master carton

2. REQUIREMENTS

2.1 Design and Construction

Product shall be of design, construction and physical dimensions specified on applicable.

2.2 Material

Top Shell : Copper Alloy,Thickness=0.25mm

Bottom Shell : Copper Alloy,Thickness=0.25mm

RL Mid Ground: Copper Alloy,Thickness=0.25mm

UD Mid Ground: Copper Alloy,Thickness=0.25mm

Inner Spring : SUS304, Thickness=0.20mm

EMI Spring Finger : Ph.Bronze, Thickness=0.08mm

Connector Housing: LCP. UL: 94V-0 Color:Black

Terminal: Copper Alloy,Thickness=0.20mm

Inner Light pipe：PC,UL94V-0,Transparent

Lightpipe Cover：PBT. UL94V-0 Color:Black

2.3 Finish :

EMI Spring Finger：30μ" min.Nickel overall

Terminal : Contact area 15μ"min. Gold Plating, 50μ"min. Nickel overall.

Solder Tail 30μ"min. Matte Tin, 50μ"min. Nickel overall.

2.4 Operating and Storage Temperature

Operating Temperature : -40℃ to +85℃

Storage Temperature : -55℃ to +105℃

2.5 Operating and Storage Temperature

Contact Current Rating: 0.5A (per contact)

Insulation Resistance : 1000MΩ min.

Dielectric Withstanding Voltage : 300VDC @1min.

Insertion force : 40N MAX.

Extraction force : 12.5N MAX.

Durability : 100 cycles MIN.

Cage Retention (Latch strength) : 90N Min.

2.6 Performance and Test Description

Product is designed to meet electrical, mechanical and environmental performance requirements specified in below table. All tests are performed at ambient environmental conditions per MIL-STD-1344A and EIA-364 unless otherwise specified.

2.7 Packaging and Packing

All parts shall be packaged and packed to protect against physical damage, corrosion and deterioration during shipment and storage.

3. Revision History

Issue Date	Revision	Comments	Operator
2021/6/8	A	Initial Release.	Jaye