

APPROVAL SHEET

To :

Customer P/N :

UDE P/N : SS10-ZZ-0021

Description : SFP+ Cage 1X1

Press-fit

With Heatsink

Packing With Tray



Spec No.
SS1021016-00

Update Date
2021/5/29

Revision
A

Approved	Checked	Prepared



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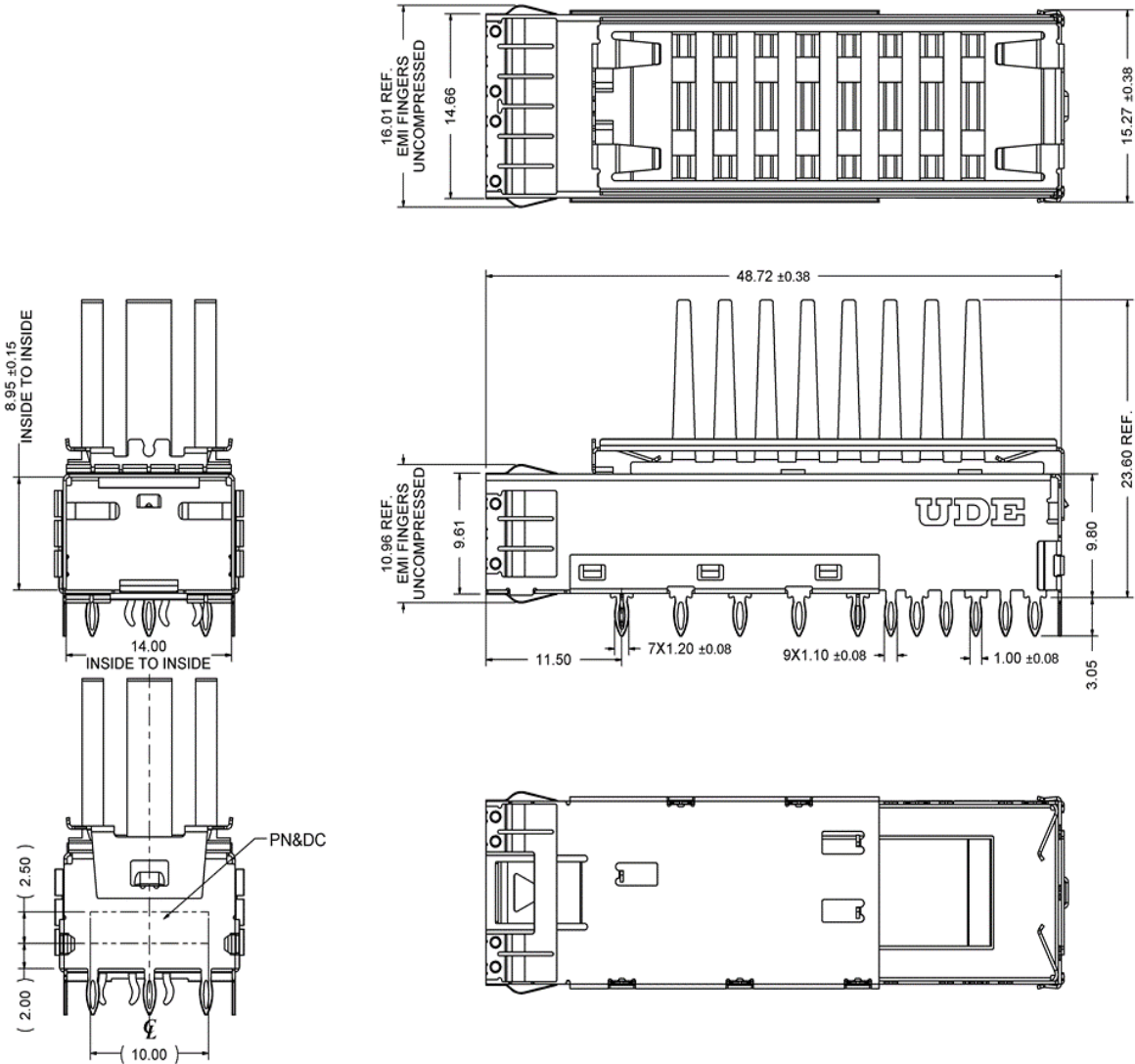
Revision History

[illegible]

1. MECHANICAL DIMENSION

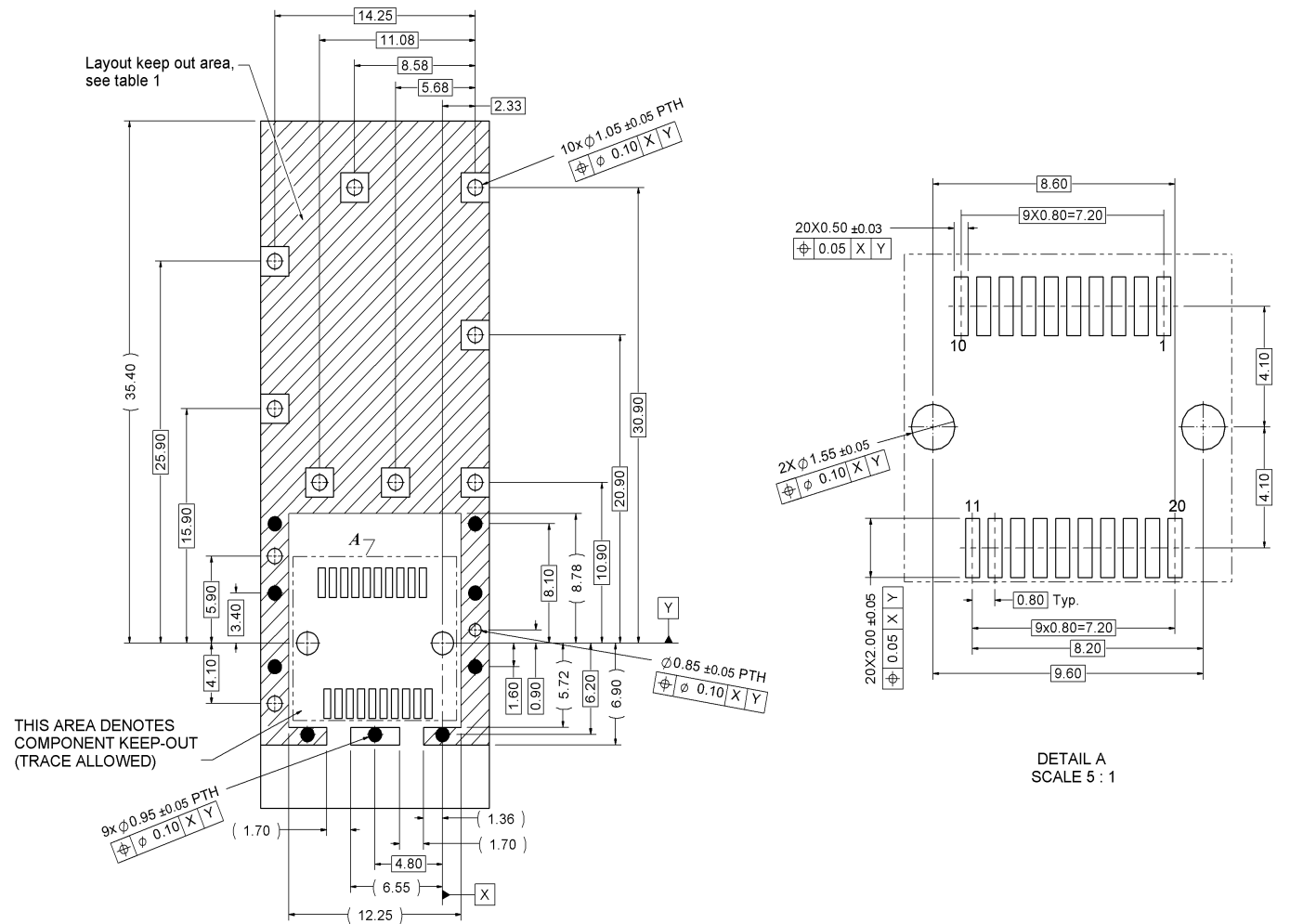
Product Dimension

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



2. Recommended PCB Layout.Component Side of Board

All dimension units are "mm".
All dimension tolerances are ±0.05mm unless otherwise specified



NOTES:

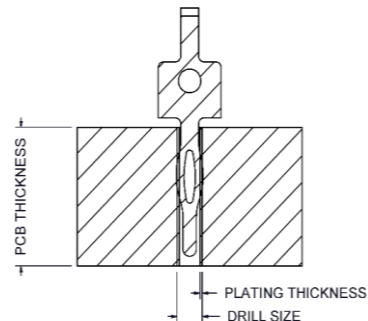
- 1.PADS AND VIAS CONNECT TO CHASSIS GROUND
RECOMMEND PADS TO BE 2.00mm SQUARE
- 2.RECOMMENDED THRU HOLE PLATING INCLUDES
HASL,OSP,OR IMMERSION(GOLD,SILVER,OR TIN)
- 3.1.57mm MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.

Layout Layer	Trace	component	Grounding	Test Point	Via Hole	PTH	NPTH
Component side	X	X	O	X	X	X	O
Inner layer	O	NA	O	NA	O	X	O
Bottom side	O	O	O	O	O	X	O

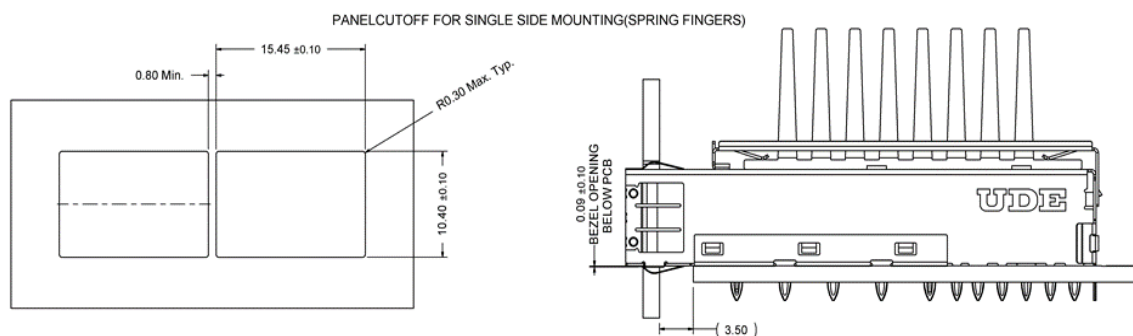
X--Forbid; O--OK; NA--Not Applicable.

RECOMMENDED MOTHER BOARD THROUGH HOLE DIMENSION

PLATED THROUGH HOLE	1.05 SHIELD PINS	0.95 SHIELD PINS	0.85 SHIELD PINS
FINISHED HOLE DIAMETER	1.05 ± 0.05	0.95 ± 0.05	0.85 ± 0.05
DRILLED HOLE DIAMETER	1.15	1.05	0.95
COPPER PLATING	0.025 Min.	0.025 Min.	0.025 Min.

RECOMMENDED MOTHER BOARD
THROUGH HOLE DIMENSION

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
1X1	Copper w/OSP	220 ± 20 N

4. Packing Information

20 pcs finished goods per tray

6 trays(120pcs finished goods) per master carton

5. REQUIREMENTS

Design and Construction

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

Material

Shield Parts

Top Shell : Copper Alloy, Thickness=0.25mm

Finish : 30μ" min. Nickel

Bottom Shell : Copper Alloy, Thickness=0.25mm

Finish : 30μ" min. Nickel

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

Finish : 30μ" min. Nickel

Heatsink Clip: Stainless steel, Thickness=0.25mm

Heatsink: Aluminum Alloy

Finish : Black oxide coating

6. Operating and Storage Temperature

Operating Temperature : -40°C to +85°C

Storage Temperature : - 55°C+105°C

7. SFP CAGE specifications

Insertion force: 18 N max at a max. rate of 25.4mm per minute

(SFP module to SFP cage)(without heatsink)

Extraction force : 12.5 N max at a max. rate of 25.4mm per minute

(SFP module to SFP cage)(without heatsink)

Cage Retention (Latch strength) : 90N Min.

Durability : 100 cycles for standard class

8. 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.

9. Packaging and Packing

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